

# References

- Abbadi, M. (1993) The sand cat in Israel. *Cat News*, **18**, 15–16.
- ABSA. (2003) *Game Ranch Profitability in Southern Africa*. Absa Group Economic Research, Rivonia, South Africa.
- Abu-Baker, M., Nassar, K., Rifai, L., Qarqaz, M., Al-Melhim, W., and Amr, Z. (2003) On the current status and distribution of the jungle cat, *Felis chaus*, in Jordan (Mammalia: Carnivora). *Zoology in the Middle East*, **30**, 5–10.
- Ackerman, B. B., Lindzey, F. G., and Hemker, T. P. (1984) Cougar food habits in southern Utah. *Journal of Wildlife Management*, **48**, 147–55.
- Ackley, C. D., Yamamoto, J. K., Levy, N., Pedersen, N. C., and Cooper, M. D. (1990) Immunological abnormalities in pathogen-free cats experimentally infected with feline immunodeficiency virus. *Journal of Virology*, **64**, 5652–5.
- Acocks, J. P. H. (1988) Veld types of South Africa. *Memoirs of the Botanical Survey of South Africa*, **57**, 1–146.
- Acosta, G., Cossios, D., Lucherini, M., and Villalba, L. M. (2008) *Leopardus jacobita*. In: IUCN 2009. IUCN Red List of Threatened Species. Version 2009.1. <www.iucnredlist.org>. Accessed online 18 September 2009.
- Acosta-Jamett, G. and Simonetti, J. A. (2007) Conservation of *Oncifelis guigna* in fragmented forests of central Chile. In *Felid Biology and Conservation Conference 17th–20th September 2007: Programme and Abstracts*, p. 63. Wildlife Conservation Research Unit, Oxford, UK.
- Acosta-Jamett, G., Simonetti, J. A., Bustamante, R. O., and Dunstone, N. (2003) Metapopulation approach to assess survival of *Oncifelis guigna* in fragmented forests of central Chile: a theoretical model. *Mastozoologia Neotropical*, **10**, 217–29.
- Adams, D. B. (1979) The cheetah: native American. *Science*, **205**, 1155–8.
- Adams, W. M. and Infield, M. (2003) Who is on the gorilla's payroll? Claims on tourist revenue from a Ugandan national park. *World Development*, **31**, 177–90.
- Adams, W. M., Aveling, R., Brockington, D., et al. (2004) Biodiversity conservation and the eradication of poverty. *Science*, **306**, 1146–9.
- Addie, D. D. and Jarrett, O. (2006) Feline coronavirus infections. In C. E. Greene (ed.), *Infectious Diseases of the Dog and Cat*, pp. 88–102. W.B. Saunders, Philadelphia, PA.
- Adriaensens, F., Chardon, J. P., de Blust, G., et al. (2003) The application of 'least-cost' modelling as a functional landscape model. *Landscape and Urban Planning*, **64**, 233–47.
- Aebischer, N. J., Robertson, P. A., and Kenward, R. E. (1993) Compositional analysis of habitat use from animal radio tracking data. *Ecology*, **74**, 1313–25.
- Aghili, A., Masoud, R., Murdoch, J. D., and Mallon, D. P. (2008) First record of Pallas's cat in northwest Iran. *Cat News*, **49**, 8–9.
- Ahearn, S. C., Smith, J. L. D., Joshi, A. R., and Ding, J. (2001) TIGMOD: an individual-based spatially explicit model for simulating tiger/human interaction in multiple use forests. *Ecological Modeling*, **140**, 81–97.
- Ahlborn, G. G. and Jackson, R. (1988) Marking in free-ranging snow leopards in west Nepal: a preliminary assessment. In H. Freeman (ed.), *Proceedings of the Fifth International Snow Leopard Symposium*, pp. 25–49. Wildlife Institute of India and International Snow Leopard Trust, Seattle, WA.
- Ajzen, I. (1985) From intentions to actions: a theory of planned behavior. In J. Kuhl and J. Beckman (eds.), *Action-Control: From Cognition to Behavior*, pp. 11–39. Springer, Heidelberg, Germany.
- Ajzen, I. and Fishbein, M. (1980) *Understanding Attitudes and Predicting Social Behavior*. Prentice-Hall, Englewood Cliffs, NJ.
- Akçakaya, H. R., Mills, G., and Doncaster, C. P. (2007) The role of metapopulations in conservation. In D. W. Macdonald and K. Service (eds.), *Key Topics in Conservation Biology*, pp. 64–84. Blackwell Publishing, Oxford, UK.
- Akersten, W. A. (1985) Canine function in *Smilodon* (Mammalia: Felidae; Machairodontinae). *Contributions in Science*, **356**, 1–22.
- Al-Kharousi, Y. H. (2006) Poaching of re-introduced Arabian oryx in Oman, will accession to CITES help? *Re-Introduction News*, **25**, 23–5.
- Aldama, J. J. and Delibes, M. (1990) Some preliminary results on rabbit energy utilization by the Spanish lynx. *Doñana Acta Vertebrata*, **17**, 116–21.
- Aldama, J. J., Beltrán, J. F., and Delibes, M. (1991) Energy expenditure and prey requirements of free-ranging Iberian lynx in Southwestern Spain. *Journal of Wildlife Management*, **55**, 635–41.
- Ale, S. (1998) Culture and conservation: the snow leopard in Nepal. *International Snow Leopard Trust Newsletter*, **16**, 10.
- Ale, S. B., Yonzon, P., and Thapa, K. (2007) Recovery of snow leopard *Uncia uncia* in Sagarmatha (Mount Everest) National Park, Nepal. *Oryx*, **41**, 89–92.
- Alexander, K. A. and Appel, M. J. (1994) African wild dogs (*Lycaon pictus*) endangered by a canine distemper epizootic among domestic dogs near the Masai Mara National Reserve, Kenya. *Journal of Wildlife Diseases*, **30**, 481–5.
- Alexander, K. A., Kat, P. W., Munson, L. A., Kalake, A., and Appel, M. J. G. (1996) Canine distemper-related mortality among wild dogs (*Lycaon pictus*) in Chobe National Park, Botswana. *Journal of Zoo and Wildlife Medicine*, **27**, 426–7.
- Alexander, K. A., Kat, P. W., House, J., et al. (1995) African horse sickness and African carnivores. *Veterinary Microbiology*, **47**, 133–40.

- Alexander, R. M., Bennett, M. B., and Ker, R. F. (1986) Mechanical properties and function of the paw pads of some mammals. *Journal of Zoology*, **209**, 405–19.
- Alexander, S. E. (2000) Resident attitudes towards conservation and black howler monkey in Belize: the Community Baboon Sanctuary. *Environmental Conservation*, **27**, 341–50.
- Aliaga-Rossel, E., Moreno, R. S., Kays, R. W., and Giacalone, J. (2006) Ocelot (*Leopardus pardalis*) predation on agouti (*Dasyprocta punctata*). *Biotropica*, **38**, 691–4.
- Allendorf, F. W., Leary, R. F., Spruell, P., and Wenburg, J. K. (2001) The problem with hybrids: setting conservation guidelines. *Trends in Ecology & Evolution*, **16**, 613–22.
- Allnutt, T. F., Wikramanayake, E. D., Dinerstein, E., Loucks, C. J., Jackson, R., and Carpenter, C. (2005) Protected areas in the Himalaya. In U. R. Sharma and P. Yonzon (eds.), *People and Protected Areas of South Asia*, pp. 116–21. IUCN World Commission on Protected Areas South Asia and Resources, Himalaya, Kathmandu, Nepal.
- Almeida, A. (1986) A survey and estimate of jaguar populations in some areas of Mato Grosso. In B. des Clers (ed.), *Wildlife Management in the Neotropical Moist Forest*, pp. 80–9. International Council for the Conservation of Game, Paris, France and Manaus, Brazil.
- Altrichter, M., Boaglio, G., and Perovic, P. (2006) The decline of jaguars *Panthera onca* in the Argentine Chaco. *Oryx*, **40**, 302–9.
- Alvarez, K. (1993) *Twilight of the Panther: Biology, Bureaucracy and Failure in an Endangered Species Program*. Myakka River Publishing, Sarasota, FL.
- American Association of Zoo Veterinarians (2008) <www.aazv.org>.
- Amlaner, C. J. and Macdonald, D. W. (eds.) (1980) *A Handbook on Biotelemetry and Radio Tracking*. Pergamon Press, Oxford, UK.
- Andelt, W. F. (1995) Livestock guarding dogs, llamas and donkeys for reducing livestock losses to predators. *Colorado University Cooperative Extension Bulletin*, Number 1.218.
- Anderson, A. E., Bowden, D. C., and Kantter, D. M. (1992a) The puma on Uncompahgre Plateau, Colorado. *Colorado Division of Wildlife Technical Bulletin*, **40**, 1–116.
- Anderson, A. J., Greiner, E. C., Atkinson, C. T., and Roelke, M. E. (1992b) Sarcocysts in the Florida Bobcat (*Felis rufus floridanus*). *Journal of Wildlife Diseases*, **24**, 116–20.
- Anderson, C. R. and Lindzey, F. G. (2005) Experimental evaluation of population trend and harvest composition in a Wyoming cougar population. *Wildlife Society Bulletin*, **33**, 179–88.
- Anderson, C. R. and Lindzey, F. G. (2003) Estimating cougar predation rates from GPS location clusters. *Journal of Wildlife Management*, **67**, 307–16.
- Anderson, C. R., Lindzey, F. G., and McDonald, D. B. (2004) Genetic structure of cougar populations across the Wyoming Basin: metapopulation or megapopulation. *Journal of Mammalogy*, **85**, 1207–14.
- Anderson, E. M. (1987) *Bobcat behavioral ecology in relation to resource use in southeastern Colorado*. PhD dissertation, Colorado State University, Fort Collins, CO.
- Anderson, E. M. and Lovallo, E. M. (2003) Bobcat and lynx. In G. A. Feldhamer, B. C. Thompson, and J. A. Chapman (eds.), *Wild Mammals of North America: Biology, Management, and Conservation*, pp. 758–86. Johns Hopkins University Press, Baltimore, MD.
- Anderson, J. L. (1981) The re-establishment and management of a lion *Panthera leo* population in Zululand, South Africa. *Biological Conservation*, **19**, 107–17.
- Anderson, R. M. and May, R. M. (1991) *Infectious Diseases of Humans: Dynamics and Control*. Oxford University Press, Oxford, UK.
- Anderson, R. M. and May, R. M. (1979) Population biology of infectious diseases. 1. *Nature*, **280**, 361–7.
- Andersson, K. (2004) Elbow-joint morphology as a guide to forearm function and foraging behaviour in mammalian carnivores. *Zoological Journal of the Linnean Society*, **142**, 91–104.
- Andheria, A. P., Karanth, K. U., and Kumar, N. S. (2007) Diet and prey profiles of three sympatric large carnivores in Bandipur Tiger Reserve, India. *Journal of Zoology*, **273**, 169–75.
- Andrén, H., Linnell, J. D. C., Liberg, O., et al. (2006) Survival rates and causes of mortality in Eurasian lynx (*Lynx lynx*) in multi-use landscapes. *Biological Conservation*, **131**, 23–32.
- Andrews, C. W. (1914) On the Lower Miocene vertebrates from British East Africa, collected by Dr. Felix Oswald. *Quarterly Journal of the Geological Society of London*, **70**, 163–86.
- Angermeier, P. L. (2000) The natural imperative for biological conservation. *Conservation Biology*, **14**, 373–81.
- Angulo, E. and Cooke, B. (2002) First synthesize new viruses then regulate their release? The case of the wild rabbit. *Molecular Ecology*, **11**, 2703–9.
- Angulo, E., Deves, A., Jalmes, M. S., and Courchamp, F. (2009) Fatal attraction: rare species in the spotlight. *Proceedings of the Royal Society of London Series B*, **276**, 1331–7.
- Anon. (2005a) Fishing cat found dead in central India. *Cat News*, **43**, 33.
- Anon. (2005b) Mountain lions in US mid-west and Canada. *Cat News*, **42**, 34.
- Anon. (1996) The mystery of the Formosan clouded leopard. *Cat News*, **24**, 16.
- Anon. (1992) Cat News. *Cat News*, **16**, 26.
- Anon. (1989) Snow leopards outwit hunters. *Cat News*, **10**, 8.
- Anon. (1974) Manifesto on wolf conservation. *IUCN Bulletin*, **5**, 17–18.
- Anon. (1892) Man's friend, the puma. *The New York Times*. Ochs Sulzberger, New York.
- Antonevich, A.L., Naidenko, S.V., Bergara, J. et al. (2009). A comparative note on early sibling aggression in two

- related species: the Iberian and the Eurasian lynx. In A. Vargas, C. Breitenmoser, U. Breitenmoser, (eds.), *Iberian Lynx Ex-situ Conservation: An Interdisciplinary Approach*, pp. 156–63. Fundación Biodiversidad, Madrid, Spain.
- Antón, M. and Galobart, A. (1999) Neck function and predatory behavior in the scimitar-toothed cat *Homotherium latidens* (Owen). *Journal of Vertebrate Paleontology*, **19**, 771–84.
- Antón, M., Morales, J., Salesa, M. J., and Turner, A. (2004) First known complete skulls of the scimitar-toothed cat *Machairodus aphanistus* (Felidae, Carnivora) from the Spanish late Miocene site of Batallones-1. *Journal of Vertebrate Paleontology*, **24**, 957–69.
- Antunes, A., Troyer, J. L., Roelke, M. E., et al. (2008) The evolutionary dynamics of the lion *Panthera leo* revealed by host and viral population genomics. *PLoS Genetics*, **4**(11), e1000251.
- Anyonge, W. (1996) Locomotor behaviour in Plio-Pleistocene sabre-tooth cats: A biomechanical analysis. *Journal of Zoology*, **238**, 395–413.
- Appel, M. J. G. (1987) Canine distemper virus. In M. J. G. Appel (ed.), *Virus Infections of Carnivores*, pp. 132–59. Elsevier Science, New York.
- Appel, M. J. G. and Summers, B. A. (1995) Pathogenicity of morbilliviruses for terrestrial carnivores. *Veterinary Microbiology*, **44**, 187–91.
- Appel, M. J., Yates, R. A., Foley, G. L., et al. (1994) Canine distemper epizootic in lions, tigers, and leopards in North America. *Journal of Veterinary Diagnostic Investigation*, **6**, 277–88.
- Apps, C. D. (2000) Space use, diet, demographics, and topographic associations of lynx in the southern Canadian Rocky Mountains: A study. In L. F. Ruggiero, K. B. Aubry, S. W. Buskirk, et al. (eds.), *Ecology and Conservation of Lynx in the United States*, pp. 351–72. University Press of Colorado, Boulder, CO.
- Aranaz, A., De Juan, L., Montero, N., et al. (2004) Bovine tuberculosis (*Mycobacterium bovis*) in wildlife in Spain. *Journal of Clinical Microbiology*, **42**, 2602–8.
- Arizona Game and Fish Department (2006) Mexican wolf blue range reintroduction project. Interagency Field Team Annual Report for 2006. <www.azgfd.gov/w\_c/wolf/reports.shtml>. Accessed online 15 Nov 2008.
- Armesto, J. J., Rozzi, R., Smith-Ramírez, C., and Arroyo, M. T. K. (1998) Conservation targets in South American temperate forests. *Science*, **282**, 1271–2.
- Arnold, D. (2006) *The Tropics and the Travelling Gaze: India, Landscape and Science 1800–1856*. University of Washington Press, Seattle, WA.
- Artois, M. and Remond, M. (1994) Viral diseases as a threat to free-living wild cats (*Felis silvestris*) in Continental Europe. *Veterinary Record*, **134**, 651–2.
- Arzate, C. N. M., Martinez, A. R., Sierra, R. G., and Lopez-Gonzalez, C. A. (2007) Spatial ecology and abundance of Mexican bobcats in northwestern Mexico to assess its conservation status. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 119. Wildlife Conservation Research Unit, Oxford, UK. Association of Zoos & Aquariums (2008) <www.aza.org>. Accessed online 10 Sept 2008.
- Athreya, V. (2006) Is relocation a viable management option for unwanted animals? The case of the leopard in India. *Conservation and Society*, **4**, 419–23.
- Athreya, V., Thakur, S., Choudhary, S., and Anirudh (2008) Human-leopard conflict in the Pune District. Wildlife Protection Society of India. <www.wpsi-india.org/projects/human\_leopard\_conflict.php>. Accessed online 4 Mar 2008.
- Athreya, V., Thakur, S.S., Chaudhuri, S., and Belsare, A.V. (2004) A study of man-leopard conflict in the Junnar Forest Division, Pune District, Maharashtra. Report to Maharashtra State Forest Department and the Wildlife Protection Society of India, New Delhi, India.
- Aubry, K. B., Koehler, G. M., Squires, J. R., et al. (2000) Ecology of Canada lynx in southern boreal forests. In L. F. Ruggiero, K. B. Aubry, S. W. Buskirk, et al. (eds.) *Ecology and Conservation of Lynx in the United States*, pp. 373–96. University Press of Colorado, Boulder, CO.
- Austin, S. C. and Tewes, M. E. (1999) Ecology of the clouded leopard in Khao Yai National Park, Thailand. *Cat News*, **31**, 17–18.
- Austin, S. C., Tewes, M. E., Grassman Jr, L. I., and Silvy, N. J. (2007) Ecology and conservation of the leopard cat *Priodontailurus bengalensis* and clouded leopard *Neofelis nebulosa* in Khao Yai National Park, Thailand. *Acta Zoologica Sinica*, **53**, 1–14.
- Avenant, N. L. and Nel, J. A. J. (2002) Among habitat variation in prey availability and use by caracal *Felis caracal*. *Mammal Biology*, **67**, 18–33.
- Avenant, N. L. and Nel, J. A. J. (1998) Home range use, activity, and density of caracal in relation to prey density. *African Journal of Ecology*, **36**, 347–59.
- Averbeck, G. A., Bjork, K. E., Packer, C., and Herbst, L. (1990) Prevalence of hematozoans in lions (*Panthera leo*) and cheetah (*Acinonyx jubatus*) in Serengeti National Park and Ngorongoro Crater, Tanzania. *Journal of Wildlife Diseases*, **26**, 392–4.
- Avise, J. C. (2000) *Phylogeography: The History and Formation of Species*. Harvard University Press, Cambridge, MA.
- Avise, J. C., Arnold, J., Ball, R. M., et al. (1987) Intraspecific phylogeography: the mitochondrial DNA bridge between genetics and systematics. *Annual Review of Ecology and Systematics*, **18**, 489–522.
- AWAGR. (2001) Status and needs for conservation of lions in West and Central Africa—An information exchange workshop. West African Working Group Report, Limbe, Cameroon.
- Azevedo, F. C. C., de and Murray, D. L. (2007a) Spatial organization and food habits of jaguars (*Panthera onca*)

- in a floodplain forest. *Biological Conservation*, **137**, 391–402.
- Azvedo, F. C. C., de and Murray, D. L. (2007b) Evaluation of potential factors predisposing livestock to predation by jaguars. *Journal of Wildlife Management*, **71**, 2379–86.
- Azlan, M. J. and Sanderson, J. G. (2007) Geographic distribution and conservation status of the bay cat *Catopuma badia*, a Bornean endemic. *Oryx*, **41**, 394–7.
- Azlan, M. J., Lading, E., and Munau (2003) Bornean bay cat photograph and sightings. *Cat News*, **39**, 2.
- Bagchi, S. and Mishra, C. (2006) Living with large carnivores: predation on livestock by the snow leopard (*Uncia uncia*). *Journal of Zoology*, **268**, 217–24.
- Bagchi, S., Mishra, C., and Bhatnagar, Y. V. (2004) Conflicts between traditional pastoralism and conservation of Himalayan ibex (*Capra sibirica*) in the trans-Himalayan mountains. *Animal Conservation*, **7**, 121–8.
- Bailey, T. N. (2005) *The African Leopard: Ecology and Behaviour of a Solitary Felid*, 2nd edn. The Blackburn Press, Caldwell, NJ.
- Bailey, T. N. (1993) *The African Leopard: Ecology and Behavior of a Solitary Felid*, 1st edn. Columbia University Press, New York.
- Bailey, T. N. (1981) Factors of bobcat social organization and some management implications. In J. A. Chapman and D. Purseley (eds.), *Proceedings of the Worldwide Furbearer Conference*, pp. 984–1000. Frostburg, MD.
- Bailey, T. N. (1974) Social organisation in a bobcat population. *Journal of Wildlife Management*, **38**, 435–46.
- Bailey, T. N. (1972) *Ecology of bobcats with special reference to social organisation*. PhD dissertation, University of Idaho, Moscow, ID.
- Bailey, T. N., Bangs, E. E., Portner, M. F., Malloy, J. C., and McAvinchey, R. J. (1986) An apparent overexploited lynx population on the Kenai peninsula, Alaska. *Journal of Wildlife Management*, **50**, 279–90.
- Baker, J. R. (1968) Trypanosomes of wild mammals in the neighbourhood of the Serengeti National Park. *Symposium of the Zoological Society of London*, **24**, 147–58.
- Baker, S., Dutton, A., and Macdonald, D. W. (2006) *The Wildlife Trade in East and Southeast Asia: An Overview and Analysis of the Trade with Specific Reference to Animal Welfare*. WSPA-Wildlife Conservation Research Unit, Oxford, UK.
- Baker, S. E. and Macdonald, D. W. (2000) Foxes and fox-hunting on farms in Wiltshire: a case study. *Journal of Rural Studies*, **16**, 185–201.
- Baker, S. E., Johnson, P. J., Slater, D., Watkins, R. W., and Macdonald, D. W. (2007) Learned food aversion with and without an odour cue for protecting untreated baits from wild mammal foraging. *Applied Animal Behaviour Science*, **102**, 410–28.
- Baldus, R. D. (2006) A man-eating lion (*Panthera leo*) from Tanzania with a toothache. *European Journal of Wildlife Research*, **52**, 59–62.
- Baldus, R. D. (2004) Lion conservation in Tanzania leads to serious human-lion conflicts. *Tanzania Wildlife Discussion Paper*, **41**, 1–63.
- Balharri, E. and Daniels, M. J. (1998) Wild-living cats in Scotland. Research, Survey and Monitoring Report No. 23. Scottish Natural Heritage, Inverness, Scotland.
- Ballesio, R. (1963) Monographie d'un machairodus du gisement Villafranchien de Senèze: *Homotherium crenatidens* Fabrini. *Travaux du Laboratoire de Géologie de la Faculté des Sciences de Lyon*, **9**, 1–129.
- Ballou, J., Gilpin, M. E., and Foose, T. J. (eds.) (1995) *Population Management for Survival and Recovery*. Columbia University Press, New York.
- Balme, G. A. and Hunter, L. T. B. (unpubl.) A guide to aging and sexing leopards in southern Africa. Unpublished report. Wildlife Conservation Society, New York.
- Balme, G. A. and Hunter, L. T. B. (2004) Mortality in a protected leopard population, Phinda Private Game Reserve, South Africa: a population in decline? *Ecological Journal*, **6**, 5–11.
- Balme, G. A., Hunter, L. T. B., and Slotow, R. (2009a) Evaluating methods for counting cryptic carnivores. *Journal of Wildlife Management*, **73**, 433–441.
- Balme, G. A., Hunter, L. T. B., and Slotow, R. (2009b) The impact of conservation interventions on the dynamics and persistence of a persecuted leopard population. *Biological Conservation*, **142**, 2681–90.
- Balme, G. A., Hunter, L. T. B., and Slotow, R. (2007) Feeding habitat selection by hunting leopards *Panthera pardus* in a woodland savanna: prey catchability versus abundance. *Animal Behaviour*, **74**, 589–98.
- Bandyopadhyay, S., Humavindu, M. N., Shyamsundar, P., and Wang, L. (2004) *Do Households Gain from Community-Based Natural Resource Management? An Evaluation of Community Conservancies in Namibia*. World Bank, Washington DC.
- Bangs, E. E., Fontaine, J. A., Jimenez, M. D., et al. (2005) Managing wolf–human conflict in the northwestern United States. In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict or Coexistence?*, pp. 340–56. Cambridge University Press, Cambridge, UK.
- Bank of Tanzania (2007) *Tanzania Tourism Sector Survey: The 2005 International Visitors' Exit Survey Report*. Bank of Tanzania, Dar es Salaam, Tanzania.
- Banks, D. and Wright, B. (2007) *Use and Availability of Asian Big Cats Skins at the Litang Horse Festival, Sichuan, August 2007*. Environmental Investigation Agency and Wildlife Protection Society of India, London, UK and New Delhi, India.
- Barash, D. P. (1971) Cooperative hunting in the lynx. *Journal of Mammalogy*, **52**, 480.
- Barbry, T. and Gallardo, G. (2006) First camera trap photos of the Andean cat in the Sajama National Park and Natural Area of Integrated Management, Bolivia. *Cat News*, **44**, 23.

- Bard, J. B. (1981) A model for generating aspects of zebra and other mammalian coat patterns. *Journal of Theoretical Biology*, **93**, 363–85.
- Barker, I. K. and Parrish, C. R. (2001) Parvovirus infections. In E. S. Williams and I. K. Barker (eds.), *Infectious Diseases of Wild Mammals*, pp. 131–46. Iowa State University Press, Ames, IA.
- Barlow, A. C. D., McDougal, C., Smith, J. L. D. et al. (2009) Temporal variation in tiger (*Panthera tigris*) populations and its implications for monitoring. *Journal of Mammalogy*, **90**, 472–478.
- Barnes, C. T. (1960) *The Cougar or Mountain Lion*. Ralton Company, Salt Lake City, UT.
- Barnett, R., Shapiro, B., Barnes, I., et al. (2009) Phylogeography of lions (*Panthera leo*) reveals three distinct taxa and a late Pleistocene reduction in genetic diversity. *Molecular Ecology*, **18**, 1668–77.
- Barnett, R., Yamaguchi, N., Shapiro, B., and Nijman, V. (2007) Using ancient DNA techniques to identify the origin of unprovenanced museum specimens, as illustrated by the identification of a 19th century lion from Amsterdam. *Contributions to Zoology*, **76**, 87–94.
- Barnett, R., Yamaguchi, N., Barnes, I., and Cooper, A. (2006a) Lost populations and preserving genetic diversity in the lion *Panthera leo*: implications for its ex situ conservation. *Conservation Genetics*, **7**, 507–14.
- Barnett, R., Yamaguchi, N., Barnes, I., and Cooper, A. (2006b) The origin, current diversity and future conservation of the modern lion (*Panthera leo*). *Proceedings of the Royal Society of London Series B*, **273**, 1–7.
- Barnett, R., Barnes, I., Phillips, M. J., et al. (2005) Evolution of the extinct sabre-tooths and the American cheetah-like cat. *Current Biology*, **15**, R589–90.
- Barney, E. C., Mintzes, J. J., and Yen, C. F. (2005) Assessing knowledge, attitudes and behavior toward charismatic megafauna: the case of dolphins. *Journal of Environmental Education*, **36**, 41–55.
- Baron, D. (2004) *The Beast in the Garden: A Modern Parable of Man and Nature*. W.W. Norton & Company Ltd, New York.
- Barone, M. A., Roelke, M. E., Howard, J. G., Brown, J. L., Anderson, A. E., and Wildt, D. E. (1994) Reproductive characteristics of male Florida panthers: comparative studies from Florida, Texas, Colorado, Latin America, and North American zoos. *Journal of Mammalogy*, **75**, 150–62.
- Barrett, C. B. (2008) Poverty traps and resource dynamics in smallholder agrarian systems. In A. Ruijs and R. Dellink (eds.), *Economics of Poverty, Environment and Natural Resource Use*, pp. 17–40. Springer, Dordrecht, the Netherlands.
- Barrett, C.B., Brandon, K., Gibson, C., and Gjertsen, H. (2001) Conserving tropical biodiversity amid weak institutions. *Bioscience*, **51**, 497–502.
- Barrett, H. C. (1999) *Human cognitive adaptations to predators and prey*. PhD dissertation, University of California, Santa Barbara, CA.
- Barron, M. G., Duvall, S. E., and Barron, K. J. (2004) Retrospective and current risks of mercury to panthers in the Florida Everglades. *Ecotoxicology*, **13**, 223–9.
- Barry, J. C. (1987) Large carnivores (Canidae, Hyaenidae, Felidae) from Laetoli. In M. D. Leakey and J. M. Harris (eds.), *Laetoli: A Pliocene Site in Northern Tanzania*, pp. 235–58. Clarendon Press, Oxford, UK.
- Bartlett, M. S. (1960) The critical community size for measles in the United States. *Journal of the Royal Statistical Society Series A—General*, **123**, 37–44.
- Baskin, J. A. (1981) *Barbourofelis* (Nimravidae) and (Nimravidae), with a description of two new species from the late Miocene of Florida. *Journal of Mammalogy*, **62**, 122–39.
- Bauer, G. A. (1998) Cheetah—running blind. In B. L. Penzhorn (ed.), *Proceedings of a Symposium on Cheetahs as Game Ranch Animals*, pp. 106–8. Wildlife Group of South African Veterinary Association, Onderstepoort, South Africa.
- Bauer, H. (2008) Synthesis of threats, distribution and status of the lion from the two lion conservation strategies. In B. Croes, R. Buij, H. de Iongh, and H. Bauer (eds.), *Management and Conservation of Large Carnivores in West and Central Africa*, pp. 13–28. Institute of Environmental Sciences (CML), Leiden University, Leiden, the Netherlands.
- Bauer, H. (2003) *Lion conservation in west and central Africa*. PhD dissertation, Leiden University, Leiden, the Netherlands.
- Bauer, H. and de Iongh, H. H. (2005) Lion (*Panthera leo*) home ranges and livestock conflicts in Waza National Park, Cameroon. *African Journal of Ecology*, **43**, 208–14.
- Bauer, H., de Iongh, H. H., Princee, F., and Ngantou, D. (2001). Status and needs for conservation of lions in West and Central Africa: An information exchange workshop report. Conservation Breeding Specialist Group (IUCN/SSC), Apple Valley, MN, USA. 114pp.
- Bauer, H. and Nowell, K. (2004) West African lion population classified as regionally Endangered. *Cat News*, **41**, 35–6.
- Bauer, H., and van der Merwe, S. (2004) Inventory of free-ranging lions *Panthera leo* in Africa. *Oryx*, **38**, 26–31.
- Bauer, H. and van der Merwe, S. (2002) *The African Lion Database*. IUCN Species Survival Commission, African Lion Working Group. <www.african-lion.org/ALD\_2002.pdf>. Accessed online 18 Dec 2008.
- Bauer, H., Nowell, K., and Packer, C. (2008) *Panthera leo*. 2008 IUCN Red List of Threatened Species. <www.iucnredlist.org>. Accessed online 18 Dec 2008.
- Baxby, D., Ashton, D. G., Jones, D. M., and Thomsett, L. R. (1982) An outbreak of cowpox in captive cheetahs: virological and epidemiological studies. *Journal of Hygiene*, **89**, 365–72.

- Beaumont, G. de, (1990) Contribution a l'étude du genre *Nimravides* Kitts (Mammalia, Carnivora, Felidae). L'espèce *N. pedionomus* (MacDonald). *Archives des Sciences, Genève*, **43**, 125–57.
- Beaumont, G. de, (1978) Notes complémentaires sur quelques félinés (Carnivores). *Archives des Sciences, Genève*, **31**, 219–27.
- Beaumont, G. de, (1964) Remarques sur la classification des Felidae. *Eclogae Geologicae Helvetiae*, **57**, 837–45.
- Beaumont, M., Barratt, E. M., Gottelli, D., et al. (2001) Genetic diversity and introgression in the Scottish wildcat. *Molecular Ecology*, **10**, 319–36.
- Beaver, B. V. (1992) *Feline Behaviour: A Guide for Veterinarians*. WB Saunders Company, Sydney, Australia.
- Beck, B. B., Rappaport, M. R., Stanley Price, M. R., and Wilson, A. C. (1994) Reintroduction of captive-born animals. In G. M. Mace, P. J. Olney, and A. Feistner (eds.), *Creative Conservation: Interactive Management of Wild and Captive Animals*, pp. 265–86. Chapman and Hall, London, UK.
- Beekman, S. P. A., Kemp, B., Louwmanand, H. C. M., and Colenbrander, B. (1999) Analyses of factors influencing the birth weight and neonatal growth rate of cheetah (*Acinonyx jubatus*) cubs. *Zoo Biology*, **18**, 129–39.
- Begg, C. M. and Begg, K. S. (2007) Trophy monitoring in Niassa National Reserve, Mozambique: lion, leopard, buffalo, hippo and crocodile. Unpublished internal report for SRN, Maputo, Mozambique.
- Begg, C., Begg, K., and Muemedi, O. (2007) *Preliminary Data on Human–Carnivore Conflict in Niassa National Reserve, Mozambique, Particularly Fatalities due to Lion, Spotted Hyaena and Crocodile*. Sociedade para a Gestao e Desenvolvimento da Reserva do Niassa, Maputo, Mozambique.
- Begon, M., Harper, J. L., and Townsend, C. R. (1990) *Ecology: Individuals, Populations and Communities*. Blackwell Scientific Publications, Oxford, UK.
- Beier, P. (1993) Determining minimum habitat areas and habitat corridors for cougars. *Conservation Biology*, **7**, 94–108.
- Beier, P. (1991) Cougar attacks on humans in the United States and Canada. *Wildlife Society Bulletin*, **19**, 403–12.
- Beier, P. and Barrett, R. H. (1993) *The Cougar in the Santa Ana Mountain Range, California*. Orange County Cooperative Mountain Lion Study, Berkeley, CA.
- Beier, P. and Cunningham, S. C. (1996) Power of track surveys to detect changes in cougar populations. *Wildlife Society Bulletin*, **24**, 540–8.
- Beier, P., Penrod, K. L., Luke, C., Spencer, W. D., and Cabañero, C. (2006) South coast missing linkages: restoring connectivity to wildlands in the largest metropolitan area in the USA. In K. R. Crooks and M. A. Sanjayan (eds.), *Connectivity Conservation*, pp. 555–86. Cambridge University Press, Cambridge, UK.
- Beier, P., Vaughn, M. R., Conroy, M. J., and Quigley, H. (2003) *An Analysis of Scientific Literature Related to the Florida Panther*. Florida Fish and Wildlife Commission, Tallahassee, FL.
- Beier, P., Choate, D. C., and Barrett, R. H. (1995) Movement patterns of mountain lions during different behaviors. *Journal of Mammalogy*, **76**, 1056–70.
- Beissinger, S. R. and Westphal, M. I. (1998) On the use of demographic models of population viability in endangered species management. *Journal of Wildlife Management*, **62**, 821–41.
- Belden, R. C. (1978a) Florida panther investigation—a 1978 progress report. In R. R. Odum and L. Landers (eds.), *Proceedings of the Rare and Endangered Wildlife Symposium*, pp. 123–33. Georgia Department of Natural Resources, Atlanta, GA.
- Belden, R. C. (1978b) How to recognize panther tracks. *Proceedings of the Annual Conference of Southeastern Fish and Wildlife Agencies*, **32**, 112–15.
- Belden, R. C. (1977) If you see a panther. *Florida Wildlife*, **31**, 31–4.
- Belden, R. C. and McCown, J. W. (1996) *Florida Panther Reintroduction Feasibility Study*. Florida Game and Freshwater Fish Commission, Tallahassee, FL.
- Belden, R. C. and Hagedorn, B. W. (1993) Feasibility of translocating panthers into Northern Florida. *Journal of Wildlife Management*, **57**, 388–97.
- Belden, R. C., Frankenberger, W. B., and Roof, J. C. (1991) *Florida Panther Distribution*. Florida Game and Freshwater Fish Commission, Tallahassee, FL.
- Belden, R. C., Frankenberger, W. B., McBride, R. T., and Schwikert, S. T. (1988) Panther habitat use in southern Florida. *Journal of Wildlife Management*, **52**, 660–3.
- Bell, D. (2006) *Cheetah Country Beef Business Plan*. MeatCo, Windhoek.
- Bell, R. H. V. (1982) The effect of soil nutrient availability on the community structure in African ecosystems. In B. J. Huntley and B. H. Walker (eds.), *Ecology of Tropical Savannas*, pp. 193–216. Springer-Verlag, Berlin, Germany.
- Belousova, A. V. (1993) Small Felidae of Eastern Europe, Central Asia and Far East. Survey of the state of populations. *Lutroloa*, **2**, 16–21.
- Beltrán, J. F. and Delibes, M. (1993) Physical characteristics of Iberian lynxes (*Lynx pardinus*) from Doñana, southwestern Spain. *Journal of Mammalogy*, **74**, 852–62.
- Beltrán, J. F. and Delibes, M. (1991) Ecología trófica del lince Ibérico en Doñana durante un periodo seco. *Doñana Acta Vertebrata*, **18**, 113–22.
- Beltran, J. F. and Tewes, M. E. (1995) Immobilization of ocelots and bobcats with ketamine hydrochloride and xylazine hydrochloride. *Journal of Wildlife Diseases*, **31**, 43–8.
- Beltrán, J. F., Rice, J. E., and Honeycutt, R. L. (1996) Taxonomy of the Iberian lynx. *Nature*, **379**, 407–8.

- Ben-Amos, P. (1976) Men and animals in Benin art. *Man*, **11**, 243–52.
- Benson, J. F., Chamberlain, M. J., and Leopold, B. D. (2006) Regulation of space use in a solitary felid: population density or prey availability. *Animal Behaviour*, **71**, 685–93.
- Berger, K. M. (2005) Carnivore–livestock conflicts: effects of subsidized predator control and economic correlates on the sheep industry. *Conservation Biology*, **20**, 751–61.
- Bergström, R. and Skarpe, C. (1999) The abundance of large wild herbivores in a semi-arid savanna in relation to seasons, pans and livestock. *African Journal of Ecology*, **37**, 1–12.
- Berkes, F., Colding, J., and Folke, C. (2000) Rediscovery of traditional ecological knowledge as adaptive management. *Ecological Applications*, **10**, 1251–62.
- Berry, W. L., Jardine, J. E., and Espie, I. W. (1997) Pulmonary cryptococcoma and cryptococcal meningoencephalomyelitis in a king cheetah (*Acinonyx jubatus*). *Journal of Zoo and Wildlife Medicine*, **28**, 485–90.
- Bertram, B. C. R. (1979) Serengeti predators and their social systems. In A. R. E. Sinclair and P. Arcese (eds.), *Serengeti II: Dynamics, Management and Conservation of an Ecosystem*, pp. 215–25. University of Chicago Press, Chicago, IL and London, UK.
- Bertram, B. C. R. (1976) Kin selection in lions and in evolution. In P. P. G. Bateson and R. A. Hinde (eds.), *Growing Points in Ethology*, pp. 281–301. Cambridge University Press, Cambridge, UK.
- Bertram, B. C. R. (1975a) Social factors influencing reproduction in wild lions. *Journal of Zoology, London*, **177**, 463–82.
- Bertram, B. C. R. (1975b) Weights and measures of lions. *East Africa Wildlife Journal*, **13**, 141–3.
- Bertrand, A. S., Kenn, S., Gallant, D., Tremblay, E., Vasseur, L., and Wissink, R. (2006) MtDNA analyses on hair samples confirm Cougar, *Puma concolor*, presence in southern New Brunswick, eastern Canada. *Canadian Field-Naturalist*, **120**, 438–42.
- Besaçon, C. and Savy, C. (2005) Global list of internationally adjoining protected areas and other transboundary initiatives. In R. Mittermeier, C. F. Kormos, C. G. Mittermeier, P. Robles Gil, T. Sandwith, and C. Besaçon (eds.), *Transboundary Conservation: A New Vision for Protected Areas*. CEMEX/Conservation International, Arlington, VA.
- Beverly, F. (1874) The Florida panther. *Forest and Stream*, **3**, 290.
- Bezuijen, M. R. (2003) The flat-headed cat in the Merang river region of south Sumatra. *Cat News*, **38**, 26–7.
- Bezuijen, M. R. (2000) The occurrence of the flat-headed cat *Prionailurus planiceps* in south-east Sumatra. *Oryx*, **34**, 222–6.
- Bhagavatula, J. and Singh, L. (2006) Genotyping faecal samples of Bengal tiger *Panthera tigris tigris* for population estimation: a pilot study. *BMC Genetics*, **7**, 48.
- Bhatnagar, Y. V., Mathur, V.B., and McCarthy, T. (2003). A Regional Perspective for Snow Leopard Conservation in the Indian Trans-Himalaya. In Bhatnagar, Y.V. and Sathyakumar, S. (eds.). *WII ENVIS Bulletin*. Wildlife Institute of India, Dehradun.
- Bhatnagar, Y. V., Wangchuk, R., and Jackson, R. (1999) *A Survey of Depredation and Related Human-Wildlife Conflicts in Hemis National Park Ladakh Jammu and Kashmir*. International Snow Leopard Trust, Seattle, WA.
- Bhattacharyya, T. (1989) *Report on the Survey on the Status and Distribution of Fishing Cat (Felis viverina) in Howrah District of West Bengal*. Indian Society for Wildlife Research, Calcutta, India.
- Bianchi, R. C. (2001) *Estudo comparativo da dieta da jaguatirica Leopardus pardalis (Linnaeus, 1751) na Reserva Natural da Vale do Rio Doce-ES e na Estação Biológica de Caratinga-MG*. MSc dissertation, Universidade Federal do Espírito Santo, Vitória, Brazil.
- Bianchi, R. C. and Mendes, S. L. (2007) Ocelot (*Leopardus pardalis*) predation on primates in Caratinga Biological Station, Southeast Brazil. *American Journal of Primatology*, **69**, 1173–8.
- Biek, R., Akamine, N., Schwartz, M. K., Ruth, T. K., Murphy, K. M., and Poss, M. (2006a) Genetic consequences of sex-biased dispersal in a solitary carnivore: Yellowstone cougars. *Biology Letters*, **2**, 312–15.
- Biek, R., Drummond, A. J., and Poss, M. (2006b) A virus reveals population structure and demographic history of its carnivore host. *Science*, **311**, 538–41.
- Biek, R., Zarnke, R. L., Gillin, C., Wild, M., Squires, J. R., and Poss, M. (2002) Serologic survey for viral and bacterial infections in western populations of Canada lynx (*Lynx canadensis*). *Journal of Wildlife Diseases*, **38**, 840–5.
- Biggins, D. E., Godbey, J. L., Hanebury, L. R., et al. (1998) The effect of rearing methods on survival of reintroduced black-footed ferrets. *Journal of Wildlife Management*, **62**, 643–53.
- Biju-Duval, C., Ennafaa, H., Dennebouy, N., et al. (1991) Mitochondrial DNA evolution in lagomorphs—origin of systematic heteroplasmy and organization of diversity in European rabbits. *Journal of Molecular Evolution*, **33**, 92–102.
- Biknevicius, A. R. and Ruff, C. B. (1992) The structure of the mandibular corpus and its relationship to feeding behaviours in extant carnivorans. *Journal of Zoology*, **228**, 479–507.
- Biknevicius, A. R. and Van Valkenburgh, B. (1996) Design for killing: craniodental adaptations of predators. In J. L. Gittleman (ed.), *Carnivore Behavior, Ecology and Evolution*, pp. 393–427. Cornell University Press, Ithaca, NY.
- Biknevicius, A. R., Van Valkenburgh, B., and Walker, J. (1996) Incisor size and shape: implications for feeding behaviors in saber-toothed ‘cats’. *Journal of Vertebrate Paleontology*, **16**, 510–21.
- Bininda-Emonds, O. R. P., Decker-Flum, D. M., and Gittleman, J. L. (2001) The utility of chemical signals as phylogenetic

- characters: an example from the Felidae. *Biological Journal of the Linnean Society*, **72**, 1–15.
- Bininda-Emonds, O. R. P., Gittleman, J. L., and Purvis, A. (1999) Building large trees by combining phylogenetic information: a complete phylogeny of the extant Carnivora (Mammalia). *Biological Reviews*, **74**, 143–75.
- Biodiversity Reporting and Information Group (2007) Report on the species and habitat review. Report to the UK Biodiversity Partnership. <www.ukbap.org.uk/bapgroup-page.aspx?id = 112>. Accessed online 15 Dec 2008.
- Biro, Z., Szemethy, L., and Heltai, M. (2004) Home range sizes of wildcats (*Felis silvestris*) and feral domestic cats (*Felis silvestris f. catus*) in a hilly region of Hungary. *Mammalian Biology*, **69**, 302–10.
- Bisbal, F. J. (1986) Food habits of some neotropical carnivores in Venezuela (Mammalia, Carnivora). *Mammalia*, **50**, 329–39.
- Bisceglia, S. B. C., Pereira, J. A., Teta, P., and Quintana, R. D. (2007) Food habits of Geoffroy's cat (*Leopardus geoffroyi*) in the central monte desert of Argentina. *Journal of Arid Environments*, **72**, 1120–6.
- Bishop, B. C. (1990) Karnali under stress: livelihood strategies and seasonal rhythms in a changing Nepal Himalaya. Geography Research Papers Nos. 228–9, University of Chicago Press, Chicago, IL.
- Bissett, C. and Bernard, R. T. F. (2007) Habitat selection and feeding ecology of the cheetah (*Acinonyx jubatus*) in thick-et vegetation: is the cheetah a savanna specialist? *Journal of Zoology*, **271**, 310–17.
- Bjork, K. E., Averbeck, G. A., and Stromberg, B. E. (2000) Parasites and parasite stages of free-ranging wild lions (*Panthera leo*) of northern Tanzania. *Journal of Zoo and Wildlife Medicine*, **31**, 56–61.
- Björklund, M. (2003) The risk of inbreeding due to habitat loss in the lion (*Panthera leo*). *Conservation Genetics*, **4**, 515–23.
- Blasius, B., Huppert, A., and Stone, L. (1999) Complex dynamics and phase synchronization in spatially extended ecological systems. *Nature*, **399**, 354–9.
- Blundell, G. M., Ben David, M., Groves, P., Bowyer, R. T., and Geffen, E. (2002) Characteristics of sex-biased dispersal and gene flow in coastal river otters: implications for natural recolonization of extirpated populations. *Molecular Ecology*, **11**, 289–303.
- Blythe, L. L., Schmitz, J. A., Roelke, M., and Skinner, S. (1983) Chronic encephalomyelitis caused by canine distemper virus in a Bengal tiger. *Journal of the American Veterinary Medical Association*, **183**, 1159–62.
- Bohlin, B. (1940) Food habits of the machaerodonts, with special regard to *Smilodon*. *Bulletin of the Geological Institutions of the University of Uppsala*, **28**, 156–74.
- Boitani, L., Corsi, F., and De Baise, A. (1999) *A Databank for the Conservation and Management of African Mammals*. Institution of Ecological Application, Rome, Italy.
- Boitani, L. and Fuller, T. K. (eds.) (2000) *Research Techniques in Animal Ecology: Controversies and Consequences*. Columbia University Press, New York.
- Bolgiano, C. (1995) *Mountain Lion: An Unnatural History of Pumas and People*. Stackpole Books, Mechanicsburg, PA.
- Bolton, L. A. and Munson, L. (1999) Glomerulosclerosis in captive cheetahs (*Acinonyx jubatus*). *Veterinary Pathology*, **36**, 14–22.
- Bolton, L. A., Lobetti, R. G., Evezard, D. N., et al. (1999) Cryptococcosis in captive cheetah (*Acinonyx jubatus*): two cases. *Journal of the South African Veterinary Association*, **70**, 35–9.
- Bonacic, C., Galvez, N., Amar, F., Laker, J., Murphy, T., and Macdonald, D. W. (2007) Puma and farmer interactions: a multi-scale approach in three eco-regions of the Chilean Andes. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, pp. 96–7. Wildlife Conservation Research Unit, Oxford, UK.
- Bond, I., Child, B., de la Harpe, D., Jones, B., Barnes, J., and Anderson, H. (2004) Private land contribution to conservation in South Africa. In B. Child (ed.), *Parks in Transition. Biodiversity, Rural Development and the Bottom Line*, pp. 29–61. Earthscan, London, UK.
- Bookhout, T. A. (ed.) (1994) *Research and Management Techniques for Wildlife and Habitats*. Wildlife Society, Bethesda, MD.
- Boomgaard, P. (2001) *Frontiers of Fear: Tigers and People in the Malay World, 1600–1950*. Yale University Press, New Haven, CT.
- Borgerhoff Mulder, M. and Coppolillo, P. (2005) *Conservation. Linking Ecology, Economics and Culture*. Princeton University Press, Princeton, NJ.
- Bornstein, S., Morner, T., and Samuel, W. M. (2001) *Sarcoptes scabiei* and Sarcoptic mange. In W. M. Samuel, M. J. Pybus, and A. A. Kocan (eds.) *Parasitic Diseases of Wild Mammals*, pp. 107–20. Iowa State University Press, Ames, IA.
- Bornstein, S., Roken, B., and Lindberg, R. (1997) An experimental infection of a lynx (*Felis lynx*) with *Sarcoptes scabiei* var. *vulpes*. *16th International Conference of the World Association for Advancement of Veterinary Parasitology*, Sun City, South Africa.
- Bosman, A. M., Venter, E. H., and Penzhorn, B. L. (2007) Occurrence of *Babesia felis* and *Babesia leo* in various wild felid species and domestic cats in Southern Africa, based on reverse line blot analysis. *Veterinary Parasitology*, **144**, 33–8.
- Bothma, J. d. P. (1998) *Carnivore Ecology in Arid Lands*. Springer, Berlin, Germany.
- Bothma, J. d. P. and De Graaff, G. (1973) A habitat map of the Kalahari Gemsbok National Park. *Koedoe*, **16**, 181–8.
- Bothma, J. d. P., Knight, M. H., le Riche, E. A. N., and Van Hensbergen, H. J. (1997) Range size of southern Kalahari leopards. *South African Journal of Wildlife Research*, **27**, 94–9.



- Bothma, J. d. P. and le Riche, E. A. N. (1986) Prey preference and hunting efficiency of the Kalahari desert leopard. In S. D. Miller and D. D. Everett (eds.), *Cats of the World: Biology, Conservation, and Management*, pp. 389–414. National Wildlife Federation Institute for Wildlife Research, Washington DC.
- Boutin, S., Krebs, C. J., Boonstra, R., *et al.* (1995) Population changes of the vertebrate community during a snowshoe hare cycle in Canada's boreal forest. *Oikos*, **74**, 69–80.
- Bowland, J. M. (1990) *Diet, home range and movement patterns of serval on farmland in Natal*. MS dissertation, University of Natal, Pietermaritzburg, South Africa.
- Bowns, J. E. (1985) Predation-depredation. In J. Roberson and F. G. Lindzey (eds.), *Proceedings of the Second Mountain Lion Workshop*, pp. 204–15. Utah Division of Wildlife Resources, Salt Lake City, UT.
- Boyce, M. S. and McDonald, L. L. (1999) Relating populations to habitats using resource selection functions. *Trends in Ecology & Evolution*, **14**, 268–72.
- Boyce, M. S., Rushton, S. P., and Lynam, T. (2006) Does modelling have a role in conservation? In D. W. Macdonald and K. Service (eds.), *Key Topics in Conservation Biology*, pp. 134–44. Blackwell Publishing Ltd, Oxford, UK.
- Braack, L. (2005) The Great Limpopo Transfrontier Park: a benchmark for international conservation. In R. Mittermeier, C. F. Kormos, C. G. Mittermeier, P. Robles Gil, T. Sandwith, and C. Besançon (eds.), *Transboundary Conservation: A New Vision for Protected Areas*, pp. 85–98. CEMEX/Conservation International, Arlington, VA.
- Bradbury, J. W. and Vehrencamp, S. L. (1976) Social organization and foraging in emballonurid bats I. Field studies. *Behavioural Ecology and Sociobiology*, **1**, 337–81.
- Bradshaw, J. W. S. and Cameron-Beaumont, C. (2000) The signalling repertoire of the domestic cat and its undomesticated relatives. In D. C. Tuner and P. Bateson (eds.), *The Domestic Cat, the Biology of Its Behaviour*, Vol. 2, pp. 67–93. Cambridge University Press, Cambridge, UK.
- Bradshaw, J. W. S., Goodwin, D., Legrand-Defretin, V., and Nott, H. M. R. (1996) Food selection by the domestic cat, an obligate carnivore. *Comparative Biochemistry and Physiology—A Physiology*, **114**, 205–9.
- Bragin, A. P. (1986) *Population Characteristics and Social-Spatial Patterns of the Tiger (Panthera tigris) on the Eastern Macroslope of the Sikhote-Alin Mountain Range, USSR*. Pacific Institute of Geography, Vladivostok, Russia.
- Brain, C. K. (1981) *The Hunters or the Hunted? An Introduction to African Cave Taphonomy*. University of Chicago Press, Chicago, IL.
- Brain, C. K. (1969) The probable role of leopards as predators of the Swartkrans Australopithecines. *The South African Archaeological Bulletin*, **24**, 170–1.
- Branch, B. (1998) *Field Guide to Snakes and Other Reptiles of Southern Africa*, 3rd edn. Struik Publishers Ltd, Cape Town, South Africa.
- Branch, L. C. (1995) Observations of predation by pumas and Geoffroy's cats on the plains vizcacha in semi-arid scrub of central Argentina. *Mammalia*, **59**, 152–6.
- Branco, M., Monnerot, M., Ferrand, N., and Templeton, A. R. (2002) Postglacial dispersal of the European rabbit (*Oryctolagus cuniculus*) on the Iberian Peninsula reconstructed from nested clade and mismatch analyses of mitochondrial DNA genetic variation. *Evolution*, **56**, 792–803.
- Branco, M., Ferrand, N., and Monnerot, M. (2000) Phylogeography of the European rabbit (*Oryctolagus cuniculus*) in the Iberian Peninsula inferred from RFLP analysis of the cytochrome b gene. *Heredity*, **85**, 307–17.
- Brand, C. J. and Keith, L. B. (1979) Lynx demography during a snowshoe hare decline in Alberta. *Journal of Wildlife Management*, **43**, 827–49.
- Brand, C. J., Keith, L. B., and Fischer, C. A. (1976) Lynx responses to changing snowshoe hare densities in central Alberta. *Journal of Wildlife Management*, **40**, 416–28.
- Brashares, J. S. (2003) Ecological, behavioural, and life-history correlates of mammal extinctions in West Africa. *Conservation Biology*, **17**, 733–43.
- Brashares, J. S., Arcese, P., and Sam, M. K. (2001) Human demography and reserve size predict wildlife extinction in West Africa. *Proceedings of the Royal Society of London Series B*, **268**, 2473–8.
- Braun, B., Dehnhard, M., Voigt, C., *et al.* (2007) Pregnancy diagnosis in Iberian lynx with witness relaxin test. In M. East and H. Hofer (eds.), *Contributions to the 6th International Wildlife Research Conference in Behaviour, Physiology and Genetics*, p. 48. Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany.
- Braun, C. L. and Smirnov, S. N. (1993) Why is water blue? *Journal of Chemical Education*, **70**, 612–13.
- Breazile, J. E. (1987) Physiological basis and consequences of distress in animals. *Journal of the American Veterinary Medical Association*, **191**, 1212–15.
- Breeden, S. (1989) The happy fisher. *BBC Wildlife Magazine*, **7**, 238–41.
- Brehm, A. E. (1880) Los linceos—Lynx. In *La Creación. Historia Natural. Vol. I, Mamíferos*, pp. 254–69. Montaner y Simón, Barcelona, Spain.
- Breitenmoser-Würsten, C., Vandel, J. M., Zimmermann, F., and Breitenmoser, U. (2007a) Demography of lynx *Lynx lynx* in the Jura Mountains. *Wildlife Biology*, **13**, 381–92.
- Breitenmoser-Würsten, C., Zimmermann, F., Stahl, P., *et al.* (2007b) Spatial and social stability of a Eurasian lynx (*Lynx lynx*) population: an assessment of 10 years of observation in the Jura Mountains. *Wildlife Biology*, **13**, 365–80.
- Breitenmoser-Würsten, C., Zimmermann, F., Ryser, A., *et al.* (2001) Untersuchungen zur Luchspopulation in den Nordwestalpen der Schweiz 1997–2000. *KORA Bericht*, **9**, 1–88.

- Breitenmoser, U. (1983) Zur Wiedereinbueringung und Ausbreitung des Luchses *Lynx lynx* in der Schweiz. *Schweizerische Zeitschrift für das Forstwesen*, **134**, 207–22.
- Breitenmoser, U. and Baettig, M. (1992) Wiederansiedlung und Ausbreitung des Luchses (*Lynx lynx*) im Schweizer Jura. *Revue suisse de Zoologie*, **99**, 163–76.
- Breitenmoser, U. and Breitenmoser-Würsten, C. (2008) *Der Luchs—ein Grossraubtier in der Kulturlandschaft*. Salm Verlag, Bern, Switzerland.
- Breitenmoser, U. and Haller, H. (1993) Patterns of predation by reintroduced European lynx in the Swiss Alps. *Journal of Wildlife Management*, **57**, 135–44.
- Breitenmoser, U. and Haller, H. (1987) Zur Nahrungsökologie des Luchses *Lynx lynx* in den schweizerischen Nordalpen. *Zeitschrift für Säugetierkunde*, **52**, 168–91.
- Breitenmoser, U., Breitenmoser-Würsten, C., Morschel, F., Zazanashvili, N., and Sylven, M. (2007) General conditions for the conservation of the leopard in the Caucasus. *Cat News Special Issue 2*, **2**, 34–9.
- Breitenmoser, U., Mallon, D., and Breitenmoser-Würsten, C. (2006a) A framework for the conservation of the Arabian leopard. *Cat News Special Issue*, **1**, 44–7.
- Breitenmoser, U., von Ark, M., and Breitenmoser-Würsten, C. (2006b) Lessons from the reintroduction of the Eurasian lynx in Central and Western Europe. In *Iberian Lynx Ex-Situ Conservation Seminar Series: Book of Proceedings*, pp. 151–2. Fundación Biodiversidad, Sevilla and Doñana, Spain.
- Breitenmoser, U., Breitenmoser-Würsten, C., Carbyn, L. N., and Funk, S. M. (2001) Assessment of carnivore reintroductions. In J. L. Gittleman, S. M. Funk, D. Macdonald and R. K. Wayne (eds.), *Carnivore Conservation*, pp. 241–81. Cambridge University Press, Cambridge, UK.
- Breitenmoser, U., Breitenmoser-Würsten, C., Okarma, H., Kaphegyi, T., Kaphegyi-Wallmann, U., and Müller, U. M. (2000) *Action Plan for the Conservation of the Eurasian Lynx (Lynx lynx) in Europe*. Council of Europe, Strasbourg, France.
- Breitenmoser, U., Breitenmoser-Würsten, C., and Capt, S. (1998) Re-introduction and present status of the lynx in Switzerland. *Hystrix*, **10**, 17–30.
- Breitenmoser, U., Kavczensky, P., Dotterer, M., et al. (1993a) Spatial organization and recruitment of lynx (*Lynx lynx*) in a re-introduced population in the Swiss Jura Mountains. *Journal of Zoology*, **231**, 449–64.
- Breitenmoser, U., Slough, B. G., and Breitenmoser-Würsten, C. (1993b) Predators of cyclic prey: is the Canada lynx victim or profiteer of the snowshoe hare cycle? *Oikos*, **66**, 551–4.
- Briones, V., de Juan, L., Sanchez, C., et al. (2000) Bovine tuberculosis and the endangered Iberian lynx. *Emerging Infectious Diseases*, **6**, 189–91.
- Brito, B. F. A., de (2000) *Ecologia alimentar da onça-parda, Puma concolor, na Mata Atlântica de Linhares, Espírito Santo, Brasil*. MS dissertation, Universidade de Brasília, Brasília, Brazil.
- Bromley, G. F. and Kucherenko, S. P. (1983) *Ungulates of the Southern Part of the USSR*. Nauka, Moscow, Russia.
- Bronson, E., Bush, M., Viner, T., Murray, S., Wisely, S. M., and Deem, S. L. (2007) Mortality of captive black-footed ferrets (*Mustela nigripes*) at Smithsonian's National Zoological Park, 1989–2004. *Journal of Zoo and Wildlife Medicine*, **38**, 169–76.
- Broomhall, L. S. (2001) *Cheetah Acinonyx jubatus in the Kruger National Park: a comparison with other studies across the grassland-woodland gradient in African savannas*. MSc dissertation, University of Pretoria, Pretoria, South Africa.
- Broomhall, L. S., Mills, M. G. L., and Du Toit, J. T. (2003) Home range and habitat use by cheetahs (*Acinonyx jubatus*) in the Kruger National Park. *Journal of Zoology*, **261**, 119–28.
- Brown, D. E. and Lopez-Gonzales, C. A. (2001) *Borderland Jaguars: Tigres de la Frontera*. University of Utah Press, Salt Lake City, UT.
- Brown, E. W., Yuhki, N., Packer, C., and O'Brien, S. J. (1994) A lion lentivirus related to feline immunodeficiency virus: epidemiologic and phylogenetic aspects. *Journal of Virology*, **68**, 5953–68.
- Brown, J. H., and Maurer, B. A. (1986) Body size, ecological dominance and Cope's rule. *Nature*, **324**, 248–50.
- Brown, J. L. (2006) Comparative endocrinology of domestic and nondomestic felids. *Theriogenology*, **66**, 25–36.
- Brown, J. L., Graham, L. H., Wu, J. M., Collins, D., and Swanson, W. F. (2002) Reproductive endocrine responses to photoperiod and exogenous gonadotropins in the Pallas's cat (*Otocolobus manul*). *Zoo Biology*, **21**, 347–64.
- Brown, J. L., Terio, K. A., and Graham, L. H. (1996) Fecal androgen metabolite analysis for non invasive monitoring of testicular steroidogenic activity in felids. *Zoo Biology*, **15**, 425–34.
- Brown, M. A., Cunningham, M. W., Roca, A. L., Troyer, J. L., Johnson, W. E., and O'Brien, S. J. (2008) Genetic characterization of feline leukemia virus from Florida panthers. *Emerging Infectious Diseases*, **14**, 252–9.
- Brown, M., Lappin, M. R., Brown, J. L., Munkhtsog, B., and Swanson, W. F. (2005) Exploring the ecological basis for extreme susceptibility of Pallas's cats (*Otocolobus manul*) to fatal toxoplasmosis. *Journal of Wildlife Diseases*, **41**, 691–700.
- Brown, M., Lappin, M. R., Brown, J. L., Munkhtsog, B. M., and Swanson, W. F. (2003) Pallas's cat in Mongolia. *Cat News*, **38**, 28–9.
- Brown, R. E. and Macdonald, D. W. (eds.) (1985) *Social Odours in Mammals*. Oxford University Press, Oxford, UK.
- Browne-Nuñez, C. and Jonker, S. A. (2008) Attitudes toward wildlife and conservation across Africa: a review of survey research. *Human Dimensions of Wildlife*, **13**, 47–70.
- Bruning Fann, C. S., Schmitt, S. M., Fierke, J. S., et al. (2001) Bovine tuberculosis in free-ranging carnivores from Michigan. *Journal of Wildlife Diseases*, **37**, 58–64.
- Brush, S. B. (1989) El ambiente natural y humano de los Andes centrales. In *Informe sobre los Conocimientos*

- Actuales de los Ecosistemas Andinos*, p. 53. UNESCO/PUMA—MAB, Montevideo, Uruguay.
- Bryant, H. N., Russell, A. P., Laroiya, R., and Powell, G. L. (1996) Claw retraction and protraction in the Carnivora: skeletal microvariation in the phalanges of the Felidae. *Journal of Morphology*, **229**, 289–308.
- Bryman, A. (2004) *Social Research Methods*. Oxford University Press, Oxford, UK.
- Buckley-Beason, V. A., Johnson, W. E., Nash, W. G., *et al.* (2006) Molecular evidence for species-level distinctions in clouded leopards. *Current Biology*, **16**, 2371–6.
- Buddle, B. M., Skinner, M. A., and Chambers, M. A. (2000) Immunological approaches to the control of tuberculosis in wildlife reservoirs. *Veterinary Immunology and Immunopathology*, **74**, 1–16.
- Bull, M. E., Kennedy Stoskopf, S., Levine, J. F., Tompkins, W. A. F., Loomis, M., and Gebhard, D. G. (2003) Evaluation of T lymphocytes in captive African lions (*Panthera leo*) infected with feline immunodeficiency virus. *American Journal of Veterinary Research*, **64**, 1293–300.
- Bulmer, M. G. (1974) A statistical analysis of the 10 year cycle in Canada. *Journal of Animal Ecology*, **43**, 701–17.
- Bulte, E. and Damania, R. (2005) Wildlife farming and conservation: an economic assessment. *Conservation Biology*, **19**, 1222–33.
- Bulte, E. H. and Rondeau, D. (2005) Why compensating wildlife damages may be bad for conservation. *Journal of Wildlife Management*, **69**, 14–19.
- Bulte, E. H., van Kooten, G. C., and Swanson, T. (2003) *Economic Incentives and Wildlife Conservation*. CITES, Geneva, Switzerland. <[www.cites.org/eng/prog/economics/CITES-draft6-final.pdf](http://www.cites.org/eng/prog/economics/CITES-draft6-final.pdf)>. Accessed online 15 Dec 2008.
- Bunnfeld, N., Linnell, J. D. C., Odden, J., Van Duijn, M. A. J., and Andersen, R. (2006) Risk taking by Eurasian lynx (*Lynx lynx*) in a human-dominated landscape: effects of sex and reproductive status. *Journal of Zoology*, **270**, 31–9.
- Burgener, M. A., Greyling, A., and Rumsey, T. (2005) *Status Quo Report on the Policy, Legislative and Regulatory Environment Applicable to Commercial and Recreational Hunting in South Africa*. The Wildlife Trade Monitoring Network (TRAFFIC) East/Southern Africa, Johannesburg, South Africa.
- Burger, J., Rosendahl, W., Loreille, O., *et al.* (2004) Molecular phylogeny of the extinct cave lion *Panthera leo spelaea*. *Molecular Phylogenetics and Evolution*, **30**, 841–9.
- Burnham, K. P., Anderson, D. R., and Laake, J. K. (1980) Estimation of density from line-transect sampling of biological populations. *Wildlife Monographs*, **72**, 1–202.
- Burns, R. J., Zemelka, D. E., and Savarie, P. J. (1996) Effectiveness of large livestock protection collars against depredating coyotes. *Wildlife Society Bulletin*, **24**, 123–7.
- Burton, A. M., Navarro Perez, S., and Chavez Tovar, C. (2003) Bobcat ranging behavior in relation to small mammal abundance on Colima Volcano, Mexico. *Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Serie Zoología*, **74**, 67–82.
- Buskirk, S. W. (1999) Mesocarnivores of Yellowstone. In T. P. Clark, A. P. Curlee, S. C. Minta and P. M. Kareiva (eds.), *Carnivores in Ecosystems: The Yellowstone Experience*, pp. 165–87. Yale University Press, New Haven, CT.
- Butler, J. R. A. (2000) The economic costs of wildlife predation on livestock in Gokwe communal land, Zimbabwe. *African Journal of Ecology*, **38**, 23–30.
- Buwal (2004) *Konzept Luchs Schweiz*. Bundesamt für Umwelt Wald und Landschaft, Bern, Switzerland.
- Bygott, J. D., Bertram, B. C. R., and Hanby, J. P. (1979) Male lions in large coalitions gain reproductive advantages. *Nature*, **282**, 839–41.
- Cabrera, A. (1914) *Fauna Ibérica. Mamíferos*. Museo Nacional de Ciencias Naturales, Madrid, Spain.
- Cabrera, A. L. (1940) Notas sobre carnívoros sudamericanos. *Notas del Museo de La Plata, Zoología*, **5**, 1–22.
- Cabrera, A. L. and Willink, A. (1973) Biogeografía de América Latina. *Organización de los Estados Americanos—Monografía*, **3**, 83–9.
- Cain, J. W., Krausman, P. R., Jansen, B. D., and Morgart, J. R. (2005) Influence of topography and GPS fix interval on GPS collar performance. *Wildlife Society Bulletin*, **33**, 926–34.
- Callicott, J. B. (1994) Conservation values and ethics. In G. K. Meffe and C. R. Carroll (eds.), *Principles of Conservation Biology*, pp. 24–49. Sinauer Associates, Sunderland, MA.
- Callou, C. and Gargominy, O. (2008) Lynx pardelle. <[www.inpn.mnhn.fr](http://www.inpn.mnhn.fr)>. Accessed online 21 Oct 2008.
- Callou, C., Samzun, A., and Zivie, A. (2004) Archaeology: a lion found in the Egyptian tomb of Maia. *Nature*, **427**, 211–12.
- Calvete, C., Angulo, E., Estrada, R., Moreno, S., and Villafuerte, R. (2005) Quarantine length and survival of translocated European wild rabbits. *Journal of Wildlife Management*, **69**, 1063–72.
- Campbell, D. J., Lusch, D. P., Smucker, T., and Wangui, E. E. (2003) Land use change patterns and root cause in the Loitokitok Area, Kajiado district, Kenya. Working Paper Number 19. ILRI, Nairobi, Kenya. <[www.lucideastafrica.org](http://www.lucideastafrica.org)>.
- Campbell, L. M. (2005) Overcoming obstacles to interdisciplinary research. *Conservation Biology*, **19**, 574–7.
- Campbell, V. and Strobeck, C. (2006) Fine-scale genetic structure and dispersal in Canada lynx (*Lynx canadensis*) within Alberta, Canada. *Canadian Journal of Zoology*, **84**, 1112–19.
- Cao, Z., Du, H., Zhao, Q., and Cheeng, J. (1990) Discovery of the Middle Miocene fossil mammals in Guanghe District and their stratigraphic significance. *Geoscience*, **4**, 16–32.
- Caraco, T. and Wolf, L. L. (1975) Ecological determinants of group sizes of foraging lions. *American Naturalist*, **109**, 343–52.

- Caraco, T., Martindale, S., and Wittham, T. S. (1980) An empirical demonstration of risk-sensitive foraging preferences. *Animal Behaviour*, **28**, 820–30.
- Carbone, C. and Gittleman, J. L. (2002) A common rule for the scaling of carnivore density. *Science*, **295**, 2273–6.
- Carbone, C., Teacher, A., and Rowcliffe, J. M. (2007) The costs of carnivory. *PLoS Biology*, **5**, 1–6.
- Carbone, C., Christie, S., Conforti, K., *et al.* (2001) The use of photographic rates to estimate densities of tigers and other cryptic mammals. *Animal Conservation*, **4**, 75–9.
- Carbone, C., Mace, G. M., Roberts, S. C., and Macdonald, D. W. (1999) Energetic constraints on the diet of terrestrial carnivores. *Nature*, **402**, 286–8.
- Carbyn, L. N. and Patriquin, D. (1983) Observations on home range sizes, movements and social organization of lynx, *Lynx canadensis*, in Riding Mountain National Park, Manitoba. *Canadian Field-Naturalist*, **97**, 262–7.
- Cardillo, M., Purvis, A., Sechrest, W., Gittleman, J. L., Bielby, J., and Mace, G. M. (2004) Human density and extinction risk in the world's carnivores. *PLoS Biology*, **2**, 909–14.
- Caro, T. and Laurenson, K. (1994) Ecological and genetic factors in conservation: a cautionary tale. *Science*, **263**, 485–6.
- Caro, T. M. (2005) *Antipredator Defenses in Birds and Mammals*. University of Chicago Press, Chicago, IL.
- Caro, T. M. (2000) Controversy over behaviour and genetics in cheetah conservation. In L. M. Gosling and W. J. Sutherland (eds.), *Behaviour and Conservation*, pp. 221–37. Cambridge University Press, Cambridge, UK.
- Caro, T. M. (1994) *Cheetahs of the Serengeti Plains: Group Living in an Asocial Species*. University of Chicago Press, Chicago, IL.
- Caro, T. M. and Collins, D. A. (1987a) Ecological characteristics of territories of male cheetahs (*Acinonyx jubatus*). *Journal of Zoology*, **211**, 89–105.
- Caro, T. M. and Collins, D. A. (1987b) Male cheetah social organization and territoriality. *Ethology*, **74**, 52–64.
- Caro, T. M. and Collins, D. A. (1986) Male cheetahs of the Serengeti. *National Geographic Research*, **2**, 75–86.
- Caro, T. M. and Durant, S. M. (1991) Use of quantitative analyses of pelage characteristics to reveal family resemblances in genetically monomorphic cheetahs. *Journal of Heredity*, **82**, 8–14.
- Caro, T. M. and Kelly, M. J. (2000) Cheetahs and their mating system. In L. A. Dugatkin (ed.) *Model Systems in Behavioural Ecology: Integrating Conceptual, Theoretical and Empirical Approaches*, pp. 512–32. Princeton University Press, Princeton, NJ.
- Caro, T. M., Pelkey, N., Borner, M., *et al.* (1998) The impact of tourist hunting on large mammals in Tanzania: an initial assessment. *African Journal of Ecology*, **36**, 321–46.
- Caro, T. M., FitzGibbon, C. D., and Holt, M. E. (1989) Physiological costs of behavioural strategies for male cheetahs. *Animal Behaviour*, **38**, 309–17.
- Caro, T. M., Holt, M. E., FitzGibbon, C. D., Bush, M., Hawkey, C. M., and Kock, R. A. (1987) Health of adult free-living cheetahs. *Journal of Zoology*, **212**, 573–84.
- Carpenter, M. A. and O'Brien, S. J. (1995) Coadaptation and immunodeficiency virus: lessons from the Felidae. *Current Opinion in Genetics and Development*, **5**, 739–45.
- Carpenter, M. A., Appel, M. J. G., Roelke Parker, M. E., *et al.* (1998) Genetic characterization of canine distemper virus in Serengeti carnivores. *Veterinary Immunology and Immunopathology*, **65**, 259–66.
- Carpenter, M. A., Brown, E. W., Culver, M., *et al.* (1996) Genetic and phylogenetic divergence of feline immunodeficiency virus in the puma (*Puma concolor*). *Journal of Virology*, **70**, 6682–93.
- Carr, G. M. and Macdonald, D. W. (1986) The sociality of solitary foragers: a model based on resource dispersion. *Animal Behaviour*, **34**, 1540–9.
- Carroll, C. and Miquelle, D. G. (2006) Spatial viability analysis of Amur tiger *Panthera tigris altaica* in the Russian Far East: the role of protected areas and landscape matrix in population persistence. *Journal of Applied Ecology*, **43**, 1056–68.
- Carter, M. and Barrett, C. (2006) The economics of poverty traps and persistent poverty: an asset-based approach. *The Journal of Development Studies*, **42**, 178–99.
- Carvajal, S., Caso, A., Downey, P., Moreno, A., and Tewes, M. (2007) Home range and activity patterns of the margay (*Leopardus wiedii*) at 'El Cielo' Biosphere Reserve, Tamaulipas, Mexico. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 118. Wildlife Conservation Research Unit, Oxford, UK.
- Caso, A. (1994) *Home range and habitat use of three Neotropical carnivores in northeast Mexico*. MS dissertation, Texas A & M University, Kingsville, TX.
- Caso, A. and Tewes, M. E. (2007) Habitat use, spatial and activity patterns of the jaguarondi in northeast Mexico. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 56. Wildlife Conservation Research Unit, Oxford, UK.
- Castello, L. (2004) A method to count pirarucu *Arapaima gigas*: fishers, assessment, and management. *North American Journal of Fisheries Management*, **24**, 379–89.
- Castley, J. G., Knight, M. H., Mills, M. G. L., and Thouless, C. (2002) Estimation of the lion (*Panthera leo*) population in the southwestern Kgalagadi Transfrontier Park using a capture-recapture survey. *African Zoology*, **37**, 27–34.
- Castro, L. R. and Palma, L. (1996) The current status, distribution and conservation of Iberian lynx in Portugal. *Journal of Wildlife Research*, **2**, 179–81.
- Cat Specialist Group (2008) <www.catsg.org>. Accessed online 10 Sept 2008.
- Caughley, G. (1994) Directions in conservation biology. *Journal of Animal Ecology*, **63**, 231–44.

- Cavalcanti, S. M. C. (2008) *Predator-prey relationships and spatial ecology of jaguars in the southern Pantanal, Brazil: implications for conservation and management*. PhD dissertation, Utah State University, Logan, UT.
- Cavalcanti, S. M. C. (2003) Manejo e controle de danos causados por espécies da fauna. In L. Cullen, Jr., R. Rudran, and C. Valladares-Padua (eds.), *Métodos de Estudo em Biologia da Conservação e Manejo da Vida Silvestre*, pp. 203–42. Editora UFPR, Curitiba, Brazil.
- Cavalcanti, S. M. C. and Gese, E. M. (2009) Spatial ecology and social interactions of jaguars (*Panthera onca*) in the southern Pantanal, Brazil. *Journal of Mammalogy*, **90**, 935–45.
- Cavalcanti, S. M. C., Gese, E. M., and Neale, C. M. U. (in prep) Jaguar habitat use in the southern Pantanal, Brazil—landscape attributes and their influence on predation of livestock and native prey.
- Caziani, S. M., Derlindati, E. J., Tálamo, A., Nicolossi, G., Sureda, A. L., and Trucco, C. (2001) Waterbird richness in altiplano lakes of northwestern Argentina. *Waterbirds*, **24**, 103–17.
- Ceballos, G., Chávez, C., Rivera, A., Manterola, C., and Wall, B. (2002) Tamaño poblacional y conservación del jaguar en la Reserva de la Biosfera Calakmul, Campeche, México. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio*, pp. 403–17. Fondo de Cultura Económica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Central Statistics Office (2001) 2001 Population and Housing Census. <www.cso.gov.bw/>. Accessed online 18 Sept 2008.
- Červený, J., Koubek, P., and Bufka, L. (2002) Eurasian lynx (*Lynx lynx*) and its chance for survival in central Europe: the case of the Czech republic. *Acta Zoologica Lituanica*, **12**, 362–6.
- Ceza, B., Rochat, N., Tester, U., Kessler, R., and Marti, K. (2001) Wer tötet den Luchs?—Tatsachen, Hintergründe und Indizien zu illegalen Luchstötungen in der Schweiz. *Beiträge zum Naturschutz in der Schweiz*, **25**, 1–33.
- Chamberlain, M. J., Leopold, B. D., Burger, L. W., Plowman, B. W., and Conner, L. M. (1999) Survival and cause-specific mortality of adult bobcats in Central Mississippi. *Journal of Wildlife Management*, **63**, 613–20.
- Champion, F. W. (1927) *With a Camera in Tigerland*. Chatto & Windus, London, UK.
- Champion, F. W. (1925) *The Jungle in Sunlight and Shadow*. Chatto & Windus, London, UK.
- Chandrashekar, J., Hoon, M. A., Ryba, N. J. P., and Zuker, C. S. (2006) The receptors and cells for mammalian taste. *Nature*, **444**, 288–94.
- Chapron, C., Miquelle, D. G., Lambert, A., Goodrich, J. M., Legendre, S., and Clobert, J. (2008a) The impact of poaching versus prey depletion on tigers and other large solitary felids. *Journal of Applied Ecology*, **45**, 1667–74.
- Chapron, G., Andren, H., and Liberg, O. (2008b) Conserving top predators in ecosystems. *Science*, **320**, 47.
- Chardonnet, P. (ed.) (2002) *Conservation of the African Lion: Contribution to a Status Survey*. International Foundation for the Conservation of Wildlife, France and Conservation Force, USA.
- Chavez, A. S. and Gese, E. M. (2006) Landscape use and movements of wolves in relation to livestock in a wildland-agriculture matrix. *Journal of Wildlife Management*, **70**, 1079–86.
- Chavez, A. S. and Gese, E. M. (2005) Food habits of wolves in relation to livestock depredations in northwestern Minnesota. *American Midland Naturalist*, **154**, 253–63.
- Chavez, A. S., Gese, E. M., and Krannich, R. S. (2005) Attitudes of rural landowners toward wolves in northwestern Minnesota. *Wildlife Society Bulletin*, **33**, 517–27.
- Cheadle, M. A., Spencer, J. A., and Blagburn, B. L. (1999) Seroprevalences of *Neospora caninum* and *Toxoplasma gondii* in nondomestic felids from southern Africa. *Journal of Zoo and Wildlife Medicine*, **30**, 248–51.
- Cheeseman, C. L., Mallinson, P. J., Ryan, J., and Wilesmith, J. W. (1993) Recolonization by badgers in Gloucestershire. In T. Hayden (ed.), *The Badger*, pp. 78–93. Royal Irish Academy, Dublin, Ireland.
- Chellam, R. (1993) *Ecology of the Asiatic lion* (*Panthera leo persica*). PhD dissertation, Saurashtra University, Rajkot, India.
- Chellam, R. and Johnsingh, A. J. T. (1993) Management of Asiatic lions in the Gir forest, India. *Symposia of the Zoological Society of London*, **65**, 409–24.
- Chester, T. (2006) Mountain lion attacks on people in the U. S. and Canada. <www.tchester.org/sgm/lists/lion\_attacks.html#stats>. Accessed online 11 Sept 2008.
- Chinchilla, F. A. (1997) La dieta del jaguar (*Panthera onca*), el puma (*Felis concolor*) y el manigordo (*Felis pardalis*) (Carnivora: Felidae) en el Parque Nacional Corcovado, Costa Rica. *Revista de Biología Tropical*, **45**, 1223–9.
- Cho, H. S., Kim, Y. H., and Park, N. Y. (2006) Disseminated mycobacteriosis due to *Mycobacterium avium* in captive Bengal tiger (*Panthera tigris*). *Journal of Veterinary Diagnostic Investigation*, **18**, 312–14.
- Chomel, B. B., Kikuchi, Y., Chang, C. C., et al. (2004) Seroprevalence of *Bartonella* infection in American free-ranging and captive pumas (*Felis concolor*) and bobcats (*Lynx rufus*). *Veterinary Research*, **35**, 233–41.
- Choudhury, A. (2007) Sighting of Asiatic golden cat in the grasslands of Assam's Manas National Park. *Cat News*, **47**, 29.
- Christiansen, P. (2008) Phylogeny of the great cats (Felidae: Pantherinae), and the influence of fossil taxa and missing characters. *Cladistics*, **24**, 1–16.
- Christiansen, P. (2006) Sabertooth characters in the clouded leopard (*Neofelis nebulosa* Griffiths 1821). *Journal of Morphology*, **267**, 1186–98.

- Christie, S. (2009) Reintroduction planning for the Far Eastern leopard. In M. W. Hayward and M. J. Somers (eds.), *The Reintroduction of Top-Order Predators*, pp. 388–410. Wiley-Blackwell Publishing, Oxford, UK.
- Christie, S. and Seidensticker, J. (1999) Is reintroduction of captive-bred tigers a feasible option for the future? In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human Dominated Landscapes*, pp. 207–9. Cambridge University Press, Cambridge, UK.
- Chundawat, R. S. (1992) *Ecological studies on snow leopard and its associated species in Hemis National Park Ladakh*. PhD dissertation, University of Rajasthan, Jaipur, India.
- Chundawat, R. S. and Rawat, G. S. (1994) Food habits of the snow leopard in Ladakh. In J. L. Fox and D. Jizeng (eds.), *Proceedings of the 7th International Snow Leopard Symposium*, pp. 127–32. Northwest Plateau Institute of Biology and International Snow Leopard Trust, Seattle, WA.
- Chundawat, R.S., Habib, B., Karanth, U., et al. (2008) *Panthera tigris*. 2008 IUCN Red List of Threatened Species. <www.iucnredlist.org>. Accessed online 16 Apr 2009.
- CITES. (2008) Appendices I, II, and III. <www.cites.org/eng/app/E-Jul01.pdf>. Accessed online 30 Oct 2008.
- CITES. (2007) Proposal to seek transfer of Uganda's leopards (*Panthera pardus*) population from Appendix I to Appendix II with export quota. CITES, The Hague, the Netherlands.
- CITES. (1992) Quotas for trade in specimens of cheetah. In *8th Meeting of the Convention of International Trade in Endangered Species of Wild Fauna and Flora*, pp. 1–5. CITES, The Hague, the Netherlands.
- Cleaveland, S., Hess, G. R., Dobson, A. P., et al. (2002) The role of pathogens in biological conservation. In P. J. Hudson, A. Rizzoli, B. T. Grenfell, H. Heesterbeek, and A. P. Dobson (eds.), *The Ecology of Wildlife Diseases*, pp. 139–50. Oxford University Press, Oxford, UK.
- Cleaveland, S., Appel, M. G. J., Chalmers, W. S. K., Chillingworth, C., Kaare, M., and Dye, C. (2000) Serological and demographic evidence for domestic dogs as a source of canine distemper virus infection for Serengeti wildlife. *Veterinary Microbiology*, **72**, 217–27.
- Clan Chattan Association (2008) Badges and Association motto. <www.clanchattan.org.uk/catalog/Motto.php>. Accessed online 30 Oct 2008.
- Clark, C. W. (1973) The economics of overexploitation. *Science*, **181**, 630–4.
- Clark, M. M. and Galef, B. G. (1980) Effect of rearing environment on adrenal weights, sexual development and behavior of gerbils: an examination of Richter's domestication hypothesis. *Journal of Comparative Physiology and Psychology*, **94**, 857–63.
- Cleaveland, S., Packer, C., and Hampson, K., et al. (2008) The multiple roles of infectious diseases in the Serengeti ecosystem. In A. R. E. Sinclair, C. Packer, S. Mduma, and J. M. Fryxell (eds.), *Serengeti III: Human Impacts on Ecosystem Dynamics*, pp. 209–39. Chicago University Press, Chicago, IL.
- Cleaveland, S., Mlengeya, T., Kaare, M., et al. (2007) The conservation relevance of epidemiological research into carnivore viral diseases in the Serengeti. *Conservation Biology*, **21**, 612–22.
- Cleaveland, S., Mlengeya, T., Kazwala, R. R., et al. (2005) Tuberculosis in Tanzanian wildlife. *Journal of Wildlife Diseases*, **41**, 446–53.
- Clement, C., Niaga, M., and Cadi, A. (2007) Does the serval still exist in Senegal? *Cat News*, **47**, 24–5.
- Clutton-Brock, J. (1999) *A Natural History of Domesticated Mammals*, 2nd edn. Cambridge University Press, Cambridge, UK.
- Clutton-Brock, J. (1987) *A Natural History of Domesticated Mammals*. British Natural History Museum, London, UK and Cambridge University Press, Cambridge, UK.
- Coard, R. and Chamberlain, A. T. (1999) The nature and timing of faunal change in the British Isles across the Pleistocene/Holocene transition. *Holocene*, **9**, 372–6.
- Coe, M. J., Cumming, D. H., and Phillipson, J. (1976) Biomass and production of large African herbivores in relation to rainfall and primary production. *Oecologia*, **22**, 341–54.
- Coleman, J. D. and Cooke, M. M. (2001) *Mycobacterium bovis* infection in wildlife in New Zealand. *Tuberculosis (Edinburgh)*, **81**, 191–202.
- Collier, G. E. and O'Brien, S. J. (1985) A molecular phylogeny of the Felidae: immunological distance. *Evolution*, **39**, 473–87.
- Coltman, D. W., O'Donoghue, P., Jorgenson, J. T., Hogg, J. T., Strobeck, C., and Festa-Bianchet, M. (2003) Undesirable evolutionary consequences of trophy hunting. *Nature*, **426**, 655–8.
- Colwell, R. K. and Futuyma, D. J. (1971) Measurement of niche breadth overlap. *Ecology*, **52**, 567–76.
- Comiskey, E. J., Bass, O. L., Jr., Gross, L. J., McBride, R. T., and Salinas, R. (2002) Panthers and forests in South Florida: an ecological perspective. *Conservation Ecology*, **6**, 18.
- Conforti, V. A. and Azevedo, F. C. C., de (2003) Local perceptions of jaguars (*Panthera onca*) and pumas (*Puma concolor*) in the Iguazu National Park area, south Brazil. *Biological Conservation*, **111**, 215–21.
- Conover, M. R. (2001) *Resolving Human–Wildlife Conflict: The Science of Wildlife Damage Management*. Lewis Publishers, Cherry Hill, NJ.
- Conradi, M. (2006) *Non-invasive sampling of snow leopards (Uncia uncia) in Phu Valley, Nepal*. MSc dissertation, University of Oslo, Oslo, Norway.
- Consejería de Medio Ambiente de Andalucía (2006) Recuperación de las poblaciones de Lince Ibérico en Andalucía. LIFE02/NAT/E/8609 Final unpublished report.
- Conservation Breeding Specialist Group (2008) <www.cbsg.org>. Accessed online 10 Sept 2008.

- Conservation Breeding Specialist Group (2003a) *Animal Movements and Disease Risk: A Workbook*, 5th edn. IUCN Species Survival Commission Conservation Breeding Specialist Group, Apple Valley, MN.
- Conservation Breeding Specialist Group (2003b) *Black-Footed Ferret Population Management Planning Workshop Final Report*. IUCN Species Survival Commission Conservation Breeding Specialist Group, Apple Valley, MN.
- Conservation Breeding Specialist Group (1998) *Iberian lynx (Lynx pardinus) Population Viability Habitat Assessment*. IUCN Species Survival Commission Conservation Breeding Specialist Group, Apple Valley, MN.
- Consortium of Aquariums, Universities and Zoos (2008) <www.manandmollusc.net/links\_zoos.html>. Accessed online 10 Sept 2008.
- Convention on Biological Diversity (2003) *Handbook of the Convention on Biological Diversity*. Secretariat of the Convention on Biological Diversity. <www.biodiv.org/handbook/>. Accessed online 4 Nov 2004.
- Cook, H. J. (1922) A Pliocene fauna from Yuma County, Colorado, with notes on the closely related Snake Creek beds from Nebraska. *Proceedings of the Colorado Museum of Natural History*, **4**, 3–15.
- Coomes, O. T., Grimard, F., Potvin, C., and Simad, P. (2008) The fate of the tropical forest: carbon or cattle? *Ecological Economics*, **65**, 207–12.
- Cooper, A. B., Petteorelli, N., and Durant, S. M. (2007) Large carnivore menus: factors affecting hunting decisions by cheetahs in the Serengeti. *Animal Behaviour*, **73**, 651–9.
- Cooper, S. M. (1991) Optimal hunting group size: the need for lions to defend their kills against loss to spotted hyaenas. *African Journal of Ecology*, **29**, 130–6.
- Coppinger, R. and Coppinger, L. (1980) Livestock-guarding dogs: an old world solution to an age-old problem. *Country Journal*, **7**, 68–77.
- Corbet, G. B. (1978) Subgenus *Lynx*. In *The Mammals of the Palearctic Region: A Taxonomic Review*, pp. 182–3. British Museum of Natural History, London, UK and Cornell University Press, Ithaca, NY.
- Corbett, G. B. and Hill, J. E. (1992) Family Felidae—Cats. In *The Mammals of the Indo-Malayan Region: A Systematic Review*, pp. 219–28. OUP for British Museum of Natural History, London, UK.
- Corbett, J. (1946) *Man-Eaters of Kumaon*. Oxford University Press, London, UK.
- Corbett, L. K. (1979) *Feeding ecology and social organisation of wildcats (Felis silvestris) and domestic cats (Felis catus) in Scotland*. PhD dissertation, University of Aberdeen, Aberdeen, Scotland.
- Cornalia, E. (1865) Descrizione di una nuova specie del genere Felis, *Felis jacobita* (Corn.). *Memorie della Società Italiana di Scienze Naturali*, **1**, 1–9.
- Corner, L. A. L. (2006) The role of wild animal populations in the epidemiology of tuberculosis in domestic animals: how to assess the risk. *Veterinary Microbiology*, **112**, 303–12.
- Cortes, A., Rau, J. R., Miranda, E., and Jimenez, J. E. (2002) Food habits of *Lagidium viscacia* and *Abrocoma cinerea*: syn-tropic rodents in high Andean environments of northern Chile. *Revista Chilena de Historia Natural*, **75**, 583–93.
- Cory, C. B. (1896) *Hunting and Fishing in Florida*. Estes and Lauriat, Boston, MA.
- Cossíos, D. and Angers, B. (2006) Identification of Andean felid faeces using PCR-RFLP. *Mastozoología Neotropical*, **13**, 239–44.
- Cossíos, D., Beltrán Saavedra, F., Bennet, M., et al. (2007a) *Manual de Metodologías para Relevamientos de Carnívoros Alto Andinos*. Alianza Gato Andino, Buenos Aires, Argentina.
- Cossíos, D., Madrid, A., Condori, J. L., and Fajardo, U. (2007b) Update on the distribution of the Andean cat *Oreailurus jacobita* and the pampas cat *Lynxchailurus colocolo* in Peru. *Endangered Species Research*, **3**, 313–20.
- Cougar Management Guidelines Working Group (2005) *Cougar Management Guidelines*. WildFutures, Bainbridge Island, WA.
- Courchamp, F., Angulo, E., Rivalan, P., et al. (2006) Rarity value and species extinction: the anthropogenic Allee effect. *PLoS Biology*, **4**, 2405–10.
- Covey, D. S. G. and Greaves, W. S. (1994) Jaw dimensions and torsion resistance during canine biting in the Carnivora. *Canadian Journal of Zoology*, **72**, 1055–60.
- Cowan, D. F. and Johnson, W. C. (1970) Amyloidosis in the white Pekin duck. I. Relation to social environmental stress. *Laboratory Investigation*, **23**, 551–5.
- Cozza, K., Fico, R., Battistini, M. L., and Rogers, E. (1996) The damage-conservation interface illustrated by predation on domestic livestock in central Italy. *Biological Conservation*, **78**, 329–36.
- Cracraft, J. (1997) Species concepts in systematics and conservation biology—an ornithological point of view. In M. F. Claridge, H. A. Dawah, and M. R. Wilson (eds.), *Species: The Units of Biodiversity*, pp. 325–40. Chapman and Hall, London, UK.
- Cracraft, J. (1989) Speciation and its ontology: the empirical consequences of alternative species concepts for understanding patterns and processes of differentiation. In D. Otte and J. A. Endler (eds.), *Speciation and Its Consequences*, pp. 28–59. Sinauer Associates, Sunderland, MA.
- Craft M.E., Volz E., Packer C. & Meyers L.A. (2009). Distinguishing epidemic waves from disease spillover in a wild-life population. *Proceedings of the Royal Society of London Series B: Biological Sciences of London Series*, **276**, 1777–85.
- Craft, M. E., Hawthorne, P. L., Packer, C., and Dobson, A. P. (2008) Dynamics of a multihost pathogen in a carnivore community. *Journal of Animal Ecology*, **77**, 1257–64.
- Cramer, J. (2007) Mountain lion attacks hunter near Kalispell. *Missoulian*. John VanStrydonck, Missoula, MT.

- Craven, S. R., Decker, D. J., Siemer, W. F., and Hygerstrom, S. E. (1992) Survey use and landowner tolerance in wildlife damage management. *Transactions of the North American Wildlife and Natural Resources Conference*, **57**, 75–88.
- Crawford, P. G. (1979) The curious cat. *The World About Us*. BBC Bristol, Bristol, UK.
- Crawshaw, P. G. (2004) Depredation of domestic animals by large cats in Brazil. *Human Dimensions of Wildlife*, **9**, 329–30.
- Crawshaw, P. G. (2002) Mortalidad inducida por humanos y conservación de jaguares: el Pantanal y el Parque Nacional Iguazú en Brazil. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio*, pp. 451–64. Fondo de Cultura Económica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Crawshaw, P. G. (1995) *Comparative ecology of ocelot (Felis pardalis) and jaguar (Panthera onca) in a protected subtropical forest in Brazil and Argentina*. PhD dissertation, University of Florida, Gainesville, FL.
- Crawshaw, P. G. (1987) Top cat in a vast Brazilian marsh. *Animal Kingdom*, **90**, 12–19.
- Crawshaw, P. G. and Quigley, H. B. (2002) Hábitos alimentarios del jaguar y el puma en el Pantanal, Brasil, con implicaciones para su manejo y conservación. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio*, pp. 223–35. Fondo de Cultura Económica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Crawshaw, P. G. and Quigley, H. B. (1991) Jaguar spacing, activity and habitat use in a seasonally flooded environment in Brazil. *Journal of Zoology*, **223**, 357–70.
- Crawshaw, P. G. and Quigley, H. B. (1989) Notes on ocelot movement and activity in the Pantanal Region, Brazil. *Biotropica*, **21**, 377–9.
- Crawshaw, P. G. and Quigley, H. B. (1984) *A Ecologia do Jaguar ou Onça-Pintada no Pantanal*. Instituto Brasileiro de Desenvolvimento Florestal (IBDF), Brasília, Brazil.
- Crawshaw, P. G., Mähler, J. K., Indrusiak, C., Cavalcanti, S. M. C., Leite-Pitman, M. R. P., and Silvius, K. M. (2004) Ecology and conservation of the jaguar (*Panthera onca*) in Iguazu National Park, Brazil. In K. M. Silvius, R. E. Bodmer, and J. M. V. Fragoso (eds.), *People in Nature: Wildlife Conservation in South and Central America*, pp. 271–85. Columbia University Press, New York.
- Creel, S. and Creel, N. M. (1997) Lion density and population structure in the Selous Game Reserve: evaluation of hunting quotas and off-take. *African Journal of Ecology*, **35**, 83–93.
- Creel, S. and Creel, N. M. (1996) Limitation of African wild dogs by competition with larger carnivores. *Conservation Biology*, **10**, 526–38.
- Crnokrak, P. and Roff, D. A. (1999) Inbreeding depression in the wild. *Heredity*, **83**, 260–70.
- Crook, J. H. (1970) *Social Behaviour in Birds and Mammals*. Academic Press, New York.
- Crooks, K. R. and Soulé, M. E. (1999) Mesopredator release and avifaunal extinctions in a fragmented system. *Nature*, **400**, 563–6.
- Crooks, K. R., Sanjayan, M. A., and Doak, D. F. (1998) New insights on cheetah conservation through demographic modeling. *Conservation Biology*, **12**, 889–95.
- Crosier, A. E., Pukazhenthil, B. S., Henghali, J. N., et al. (2006) Cryopreservation of spermatozoa from wild-born Namibian cheetahs (*Acinonyx jubatus*) and influence of glycerol on cryosurvival. *Cryobiology*, **52**, 169–81.
- Crow, J. F. and Kimura, M. (1970) *An Introduction to Population Genetics Theory*. Burgess Publishing Company, Minneapolis, MN.
- Crowe, D. M. (1975) A model for exploited bobcat populations in Wyoming. *Journal of Wildlife Management*, **39**, 408–15.
- Cuellar, E., Maffei, L., Arispe, R., and Noss, A. (2006) Geoffroy's cats at the northern limit of their range: activity patterns and density estimates from camera trapping in Bolivian dry forests. *Studies on Neotropical Fauna and Environment*, **41**, 169–77.
- Cuervo, A., Hernadez, J., and Cadena, C. (1986) Lista actualizada de los mamíferos de Colômbia: anotaciones sobre su distribución. *Caldasia*, **15**, 471–501.
- Cullen, J., L., Sana, D., Abreu, K. C., and Nava, A. F. D. (2005) Jaguars as landscape detectives for the upper Paraná river corridor, Brazil. *Natureza e Conservação*, **3**, 124–46.
- Culver, M., Hedrick, P. W., Murphy, K., O'Brien, S., and Hornocker, M. G. (2008) Estimation of the bottleneck size in Florida panthers. *Animal Conservation*, **11**, 104–10.
- Culver, M., Menotti Raymond, M. A., and O'Brien, S. J. (2001) Patterns of size homoplasy at 10 microsatellite loci in pumas (*Puma concolor*). *Molecular Biology and Evolution*, **18**, 1151–6.
- Culver, M., Johnson, W. E., Pecon-Slattery, J., and O'Brien, S. J. (2000) Genomic ancestry of the American puma (*Puma concolor*). *Journal of Heredity*, **91**, 186–97.
- Cunningham, M. W., Brown, M. A., Shindle, D. B., et al. (2008) Epizootiology and management of feline leukemia virus in the Florida puma. *Journal of Wildlife Diseases*, **44**, 537–52.
- Cunningham, S. C., Ballard, W. B., and Whitlaw, H. A. (2001) Age structure, survival and mortality of mountain lions in southeastern Arizona. *Southwestern Naturalist*, **46**, 76–80.
- Cunningham, M. W., Dunbar, M. R., Buergelt, C. D., et al. (1999) Atrial septal defects in Florida panthers. *Journal of Wildlife Diseases*, **35**, 519–30.
- Cunningham, S. C., Haynes, L. A., Gustavson, C. H. and Haywood, D. D. (1995) Evaluation of the interaction



- between mountain lions and cattle in the Aravaipa Klondyke area of southeast Arizona. Technical Report No. 17. Arizona Game and Fish Department, Phoenix, AZ.
- Curio, E. (1976) *The Ethology of Predation*. Springer Verlag, Berlin, Germany.
- Currier, M. J. P. (1983) *Felis concolor*. *Mammalian Species*, **200**, 1–7.
- Cuvier, G. (1824) *Recherches sur les Ossements Fossiles ou l'on rétablit les caractères de plusieurs animaux dont les révolutions du globe ont détruit les espèces*. G. Dufour et E. D'Ocagne, Paris, France.
- Cuzin F. (2003) *Les grands mammifères du Maroc meridional (Haut Atlas, Anti Atlas et Sahara): distribution, ecologie et conservation*. PhD dissertation, University of Montpellier, Montpellier, France.
- Czech, B. (2004) Taking on the economic triangle. *Frontiers in Ecology and the Environment*, **2**, 227.
- Dalnikin, A. A. (1999) *Mammals of Russia and adjacent regions: Deer (Cervidae)*. GEOS, Moscow, Russia.
- Dalponete, J. C. (2002) Dieta del jaguar y depredación de ganado en el norte del Pantanal, Brasil. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio*, pp. 209–21. Fondo de Cultura Economica, Universidad Nacional Autónoma de Mexico, Wildlife Conservation Society, Mexico City, Mexico.
- Dalrymple, G. H. and Bass, O. L., Jr (1996) The diet of the Florida panther in Everglades National Park, Florida. *Bulletin of the Florida Museum of Natural History*, **39**, 173–93.
- Daly, B., Power, J., Carmanch, G., et al. (2005) Leopard (*Panthera pardus*) population and habitat viability assessment. In *Proceedings of a Workshop of the Conservation Breeding Specialist Group (World Conservation Union (IUCN) Species Survival Commission)*, pp. 1–109. Endangered Wildlife Trust, Johannesburg, South Africa.
- Damania, R., Seidensticker, J., Whitten, T., et al. (2008) *A Future for Wild Tigers*. World Bank, Washington DC.
- Daniels, M. J. (1997) *The biology and conservation of the wildcat in Scotland*. DPhil dissertation, University of Oxford, Oxford, UK.
- Daniels, M. J. and Corbett, L. (2003) Re-defining introgressed protected mammals: when is a wildcat a wild cat and a dingo a wild dog? *Wildlife Research*, **30**, 213–18.
- Daniels, M. J. and Macdonald, D. W. (2002) Seasonality of trapping success for wildcats in Scotland. *Saugetierkundliche Informationen*, **26**, 229–32.
- Daniels, M. J., Wright, T. C. M., Bland, K. P., and Kitchener, A. C. (2002) Seasonality and reproduction in wild-living cats in Scotland. *Acta Theriologica*, **47**, 73–84.
- Daniels, M. J., Beaumont, M. A., Johnson, P. J., Balharry, D., Macdonald, D. W., and Barratt, E. (2001) Ecology and genetics of wild-living cats in the north-east of Scotland and the implications for the conservation of the wildcat. *Journal of Applied Ecology*, **38**, 146–61.
- Daniels, M. J., Golder, M. C., Jarrett, O., and Macdonald, D. W. (1999) Feline viruses in wildcats from Scotland. *Journal of Wildlife Diseases*, **35**, 121–4.
- Daniels, M. J., Balharry, D., Hirst, D., Kitchener, A. C., and Aspinall, R. J. (1998) Morphological and pelage characteristics of wild living cats in Scotland: implications for defining the 'wildcat'. *Journal of Zoology*, **244**, 231–47.
- Dards, J. L. (1983) The behaviour of dockyard cats: interactions of adult males. *Applied Animal Ethology*, **10**, 133–53.
- Darwin, C. (1868) *The Variation of Plants and Animals under Domestication*. John Murray, London, UK.
- Darwin, C. (1839) *The Voyage of the Beagle: Charles Darwin's Journal of Researches*. Penguin Books, London, UK.
- Davies-Mostert, H. T., Mills, M. G. L., and Macdonald, D. W. (2009) A critical assessment of South Africa's managed metapopulation recovery strategy for African wild dogs and its value as a template for large carnivore conservation elsewhere. In M. W. Hayward and M. J. Somers (eds.), *The Reintroduction of Top-Order Predators*, pp. 10–42. Wiley-Blackwell Publishing, Oxford, UK.
- Davies, E. M. and Boersma, P. D. (1984) Why lionesses copulate with more than one male. *American Naturalist*, **123**, 594–611.
- Davies, K. F., Margules, C. R., and Lawrence, J. F. (2004) A synergistic effect puts rare, specialized species at greater risk of extinction. *Ecology*, **85**, 265–71.
- Davison, T. (1967) *Wankie. The Story of a Great Game Reserve*. Books of Africa, Cape Town, South Africa.
- Dawkins, R. (2006) *The God Delusion*. Bantam Press, London, UK.
- Day, L. M. and Jayne, B. C. (2007) Interspecific scaling of the morphology and posture of the limbs during the locomotion of cats (Felidae). *Journal of Experimental Biology*, **210**, 642–54.
- Dayan, T., Simberloff, D., Tchernov, E., and Yom-Tov, Y. (1992) Canine carnassials—character displacement in the wolves, jackals and foxes of Israel. *Biological Journal of the Linnean Society*, **45**, 315–31.
- Dayan, T., Simberloff, D., Tchernov, E., and Yom Tov, Y. (1990) Feline canines: community-wide character displacement among the small cats of Israel. *American Naturalist*, **136**, 39–60.
- Dayan, T., Simberloff, D., Tchernov, E., and Yom Tov, Y. (1989) Inter- and intraspecific character displacement in mustelids. *Ecology*, **70**, 1526–39.
- de Lisle, G. W., Bengis, R. G., Schmitt, S. M., and O'Brien, D. J. (2002) Tuberculosis in free-ranging wildlife: detection, diagnosis and management. *Revue Scientifique et Technique de l'Office International des Epizooties*, **21**, 317–34.
- de Lisle, G. W., Yates, G. F., Collins, D. M., MacKenzie, R. W., Crews, K. B., and Walker, R. (1995) A study of bovine tuberculosis in domestic animals and wildlife in the MacKenzie basin and surrounding areas using DNA fingerprinting. *New Zealand Veterinary Journal*, **43**, 266–71.

- De Paula, R. C., Campos Neto, M. F., and Morato, R. G. (2008) First official record human killed by jaguar in Brazil. *Cat News*, **49**, 14.
- de Ruiter, D. J. and Berger, L. R. (2000) Leopards as taphonomic agents in dolomitic caves—implications for bone accumulations in the hominid-bearing deposits of South Africa. *Journal of Archaeological Science*, **27**, 665–84.
- De Smet, K. J. M. (1989) *Distribution and habitat choice of larger mammals in Algeria, with special reference to nature protection*. PhD dissertation, Ghent State University, Ghent, Belgium.
- De Soto, H. (2000) *The Mystery of Capital: Why Capitalism Triumphs in the West and Fails Everywhere Else*. Basic Books, New York.
- De Vos, A. and Matel, S. E. (1952) The status of lynx in Canada, 1929–1952. *Journal of Forestry*, **50**, 742–5.
- De Vos, V. and Bryden, H. B. (1997) The role of carnivores in the epidemiology of anthrax in the Kruger National Park. In J. Van Heerden (ed.), *Proceedings of a Symposium on Lions and Leopards as Game Ranch Animals, 24–25 October 1997*, pp. 198–207. SAVA Wildlife Group, Onderstepoort, South Africa.
- De Vos, V., Bengis, R. G., Kriek, N. P. J., et al. (2001) The epidemiology of tuberculosis in free-ranging African buffalo (*Syncerus caffer*) in the Kruger national park, South Africa. *Onderstepoort Journal of Veterinary Research*, **68**, 119–30.
- Dean, R., Gunn-Moore, D., Shaw, S., and Harvey, A. (2006) Bovine tuberculosis in cats. *Veterinary Record*, **158**, 419–20.
- Decker, D. J. (1994) What are we learning from human dimensions studies in controversial wildlife situations? *Proceedings of the Association of Midwest Fish and Wildlife Agencies Annual Meeting*, **61**, 25–7.
- Decker, D. J. and Chase, L. (1997) Human dimension of living with wildlife—a management challenge for the 21st century. *Wildlife Society Bulletin*, **25**, 788–95.
- Decker, D. J. and Purdey, K. G. (1988) Towards a concept of wildlife acceptance capacity in wildlife management. *Wildlife Society Bulletin*, **16**, 53–7.
- Dee, T., Swann, D. E., Steidl, R. J., and Culver, M. (in review) Identifying mammals using molecular scatology.
- Defra (2007) Ban on cat and dog fur trade welcomed. <www.defra.gov.uk/news/2007/071128a.htm>. Accessed online 30 Oct 2008.
- DeGiorgis, M.-P., Frey, J., Nicolet, J., et al. (2000) An outbreak of infectious keratoconjunctivitis in Alpine chamois (*Rupicapra r. rupicapra*) in Simmental-Grüyères, Switzerland. *Schweizer Archiv für Tierheilkunde*, **142**, 520–7.
- Dehm, R. (1950) Die Raubtiere aus dem Mittel-Miocän (Burdigalium) von Wintershof-West bei Eichstätt in Bayern. *Abhandlungen der Bayerischen Akademie der Wissenschaften, Mathematisch-naturwissenschaftliche Klasse. Neue Folge*, **58**, 1–141.
- Delgado, E., Villalba, L., Sanderson, J., Napolitano, C., Berna, M., and Esquivel, J. (2004) Capture of an Andean cat in Bolivia. *Cat News*, **40**, 2.
- Delibes, M. (1980) Feeding ecology of the Spanish lynx in the Coto Doñana. *Acta Theriologica*, **25**, 309–24.
- Delibes, M. and Calzada, J. (2005) Ensayo de recuperación de una especie en situación crítica: el caso del lince ibérico. In I. Jiménez Pérez and M. Delibes (eds.), *Al Borde de la Extinción: Una Visión Integral de la Conservación de la Fauna Amenazada en España*, pp. 277–308. Evren, Valencia, Spain.
- Delibes, M., Rodríguez, A., and Ferreras, P. (2000) *Action Plan for the Conservation of the Iberian lynx (Lynx pardinus) in Europe*. Council of Europe Publishing, Strasbourg, France.
- Department of Environmental Affairs and Tourism South Africa (2006) National norms and standards for the regulation of the hunting industry in South Africa. <www.environment.gov.za/HotIssues/2005/29062005/panel\_experts\_hunting.htm>. Accessed online 15 Oct 2007.
- Deraniyagala, P. E. P. (1956) A new subspecies of rusty spotted cat from Ceylon. *Spolia Zoolonia*, **28**, 113–14.
- Dexel, B. (2003) Snow leopard conservation in Kyrgyzstan: enforcement, education and research activities by the German Society for Nature Conservation (NABU). In T. M. McCarthy and J. Weltzin (eds.), *Snow Leopard Survival Summit*, pp. 59–63. International Snow Leopard Trust, Seattle, WA.
- Di Bitetti, M. S., Paviolo, A., and De Angelo, C. (2006) Density, habitat use and activity patterns of ocelots (*Leopardus pardalis*) in the Atlantic Forest of Misiones, Argentina. *Journal of Zoology*, **270**, 153–63.
- Dickman, A. J. (2008) *Investigating the key determinants of human-large carnivore conflict in Tanzania*. PhD dissertation, University College London, London, UK.
- Dickman, A. J. (2005) *An assessment of pastoralist attitudes and wildlife conflict Rungwa in the Rungwa-Ruaha region, Tanzania, with particular reference to large carnivores*. MSc dissertation, University of Oxford, Oxford, UK.
- Dickman, A. J., Marnewick, K., Daly, B., et al. (2006a) *Southern African Cheetah Conservation Planning Workshop*. Endangered Wildlife Trust and IUCN SSC Conservation Breeding Specialist Group, Johannesburg, South Africa.
- Dickman, C. R., Pimm, S. L., and Cardillo, M. (2006b) The pathology of biodiversity loss: the practice of conservation. In D. W. Macdonald and K. Service (eds.), *Key Topics in Conservation Biology*, pp. 1–16. Blackwell Publishing Ltd, Oxford, UK.
- Diffenbaugh, N. S., Pal, J. S., Giorgi, F., and Gao, X. J. (2007) Heat stress intensification in the Mediterranean climate change hotspot. *Geophysical Research Letters*, **34**, L11706.
- Dillon, A. (2005) *Ocelot density and home range in Belize, Central America: camera-trapping and radio telemetry*. MSc

- dissertation, Virginia Polytechnic Institute and State University, Blacksburg, VA.
- Dinerstein, E. (2003) *The Return of the Unicorns: The Natural History and Conservation of the Greater One-Horned Rhinoceros*. Columbia University Press, New York.
- Dinerstein, E. (1987) Deer, plant phenology, and succession in the lowland forest of Nepal. In C. W. Wemmer (ed.), *Biology and Management of the Cervidae*, pp. 272–88. Smithsonian Institution Press, Washington DC.
- Dinerstein, E. (1980) An ecological survey of the Royal Bardia Wildlife Reserve, Nepal. Part III: Ungulate populations. *Biological Conservation*, **18**, 5–38.
- Dinerstein, E. (1979a) An ecological survey of the Royal Bardia Wildlife Reserve, Nepal. Part I: Vegetation, modifying factors, and successional relationships. *Biological Conservation*, **15**, 127–50.
- Dinerstein, E. (1979b) An ecological survey of the Royal Bardia Wildlife Reserve, Nepal. Part II: Habitat/animal interactions. *Biological Conservation*, **16**, 265–300.
- Dinerstein, E., Loucks, C., Heydlauff, A., et al. (2006) *Setting Priorities for the Conservation and Recovery of Wild Tigers: 2005–2015. A User's Guide*. WWF, WCS, Smithsonian, and NFWF-STF, Washington DC.
- Dinerstein, E., Rijal, A., Bookbinder, M., Kattel, B., and Rajuria, A. (1999) Tigers as neighbours: efforts to promote local guardianship of endangered species in lowland Nepal. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human Dominated Landscapes*, pp. 316–33. Cambridge University Press, Cambridge, UK.
- Dinerstein, E., Wikramanayake, E. D., Robinson, J., et al. (1997) *A Framework for Identifying High Priority Areas and Actions for the Conservation of Tigers in the Wild*. World Wildlife Fund-US and Wildlife Conservation Society, Washington DC.
- Dinerstein, E., Olson, D. M., Graham, D. J., et al. (1995) *A Conservation Assessment of the Terrestrial Ecoregions of Latin America and the Caribbean*. WWF and World Bank, Washington DC.
- Dinerstein, E., Loucks, C., Wikramanayake, E., et al. (2007) The fate of wild tigers. *BioScience*, **57**, 508–14.
- Dinets, V. (2003) Records of small carnivores from Mount Kinabalu, Sabah, Borneo. *Small Carnivore Conservation*, **28**, 9.
- Divyabhanusinh (1995) *The End of a Trail—The Cheetah in India*. Banyan Books, New Delhi, India.
- Divyabhanusinh (1985) Note on Asiatic lion (*Panthera leo persica*). *Journal of the Bombay Natural History Society*, **82**, 393–4.
- Dixon, K. R. (1982) Mountain lion. In J. A. F. Chapman (ed.), *Wild Mammals of North America*, pp. 711–27. John Hopkins University Press, Baltimore, MD.
- Dobzhansky, T. (1937) *Genetics and the Origin of Species*. Columbia University Press, New York.
- Dodd, G. H. and Squirrel, D. J. (1980) Structure and mechanism in the mammalian olfactory system. *Symposium of the Zoological Society of London*, **45**, 35–56.
- Dolbeer, R. A. and Clark, W. R. (1975) Population ecology of snowshoe hares in the central Rocky Mountains. *Journal of Wildlife Management*, **39**, 535–49.
- Donadio, E. and Buskirk, S. W. (2006) Diet, morphology, and interspecific killing in carnivora. *American Naturalist*, **167**, 524–36.
- Doncaster, C. P. and Macdonald, D. W. (1991) Drifting territoriality in the red fox *Vulpes vulpes*. *Journal of Animal Ecology*, **60**, 423–39.
- Dotta, G., Queirolo, D., and Senra, A. (2007) Distribution and conservation status of small felids on the Uruguyan savanna ecoregion, southern Brazil and Uruguay. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 105. Wildlife Conservation Research Unit, Oxford, UK.
- Døving, K. B. and Trotter, D. (1998) Structure and function of the vomeronasal organ. *Journal of Experimental Biology*, **201**, 2913–25.
- Dragesco-Joffe, A. (1993) Le chat des sables, un redoutable chasseur de serpents [The sand cat, a formidable snake hunter]. In *La Vie Sauvage du Sahara*, pp. 129–33. Delachaux et Niestl, Lausanne, Switzerland.
- Drake, G. J. C., Auty, H. K., Ryvar, R., et al. (2004) The use of reference strand-mediated conformational analysis for the study of cheetah (*Acinonyx jubatus*) feline leucocyte antigen class II DRB polymorphisms. *Molecular Ecology*, **13**, 221–9.
- Driciru, M., Siefert, L., Prager, K. C., et al. (2006) A serosurvey of viral infections in lions (*Panthera leo*), from Queen Elizabeth National Park, Uganda. *Journal of Wildlife Diseases*, **42**, 667–71.
- Driscoll, C. A., Noboyuki, Y., Bar-Gal, G. K., et al. (2009) Mitochondrial phylogeography illuminates the origin of the extinct Caspian tiger and its relationship to the Amur tiger. *PLoS ONE*, **4**, 323–9.
- Driscoll, C. A., Menotti-Raymond, M., Roca, A. L., et al. (2007) The near eastern origin of cat domestication. *Science*, **317**, 519–23.
- Driscoll, C. A., Menotti-Raymond, M., Nelson, G., Goldstein, D., and O'Brien, S. J. (2002) Genomic microsatellites as evolutionary chronometers: a test in wild cats. *Genome Research*, **12**, 414–23.
- Duckler, G. L. and Van Valkenburgh, B. (1998) Osteological corroboration of pathological stress in a population of endangered Florida pumas (*Puma concolor coryi*). *Animal Conservation*, **1**, 39–46.
- Duckworth, J. W., Poole, C. M., Walston, J. L., Tizard, R. J., and Timmins, R. J. (2005) The jungle cat *Felis chaus* in Indochina: a threatened population of a widespread and adaptable species. *Biodiversity and Conservation*, **14**, 1263–80.

- Duckworth, J. W., Salter, R. E. and Khounbolin, K. (1999) *Wildlife in Lao DPR: 1999 Status Report*. IUCN, Vientiane, Laos.
- Dunham, K. M. (2002) *Aerial Census of Elephants and Other Large Herbivores in North-West Matabeleland, Zimbabwe: 2001*. WWF-SARPO Occasional Paper Series. WWF-SARPO, Harare, Zimbabwe.
- Dunstone, N., Durbin, L., Wyllie, I., *et al.* (2002) Spatial organization, ranging behaviour and habitat use of the kodkod (*Oncifelis guigna*) in southern Chile. *Journal of Zoology*, **257**, 1–11.
- Durant, S. M. (2000a) Living with the enemy: avoidance of hyenas and lions by cheetahs in the Serengeti. *Behavioral Ecology*, **11**, 624–86.
- Durant, S. M. (2000b) Predator avoidance, breeding experience and reproductive success in endangered cheetahs, *Acinonyx jubatus*. *Animal Behaviour*, **60**, 121–30.
- Durant, S. M. (1998) Competition refuges and coexistence: an example from Serengeti carnivores. *Journal of Animal Ecology*, **67**, 370–86.
- Durant, S. M., Bashir, S., Maddox, T., and Laurenson, M. K. (2007) Relating long-term studies to conservation practice: the case of the Serengeti Cheetah Project. *Conservation Biology*, **21**, 602–11.
- Durant, S. M., Kelly, M., and Caro, T. M. (2004) Factors affecting life and death in Serengeti cheetahs: environment, age, and sociality. *Behavioural Ecology*, **15**, 11–22.
- Durant, S. M., Caro, T. M., Collins, D. A., Alawi, R. M., and FitzGibbon, C. D. (1988) Migration patterns of Thomson's gazelles and cheetahs on the Serengeti Plains. *African Journal of Ecology*, **26**, 257–68.
- Dutton, A., Edward-Jones, G., Strachan, R., and Macdonald, D. W. (2008) Ecological and social challenges to biodiversity conservation on farmland: reconnecting habitats on a landscape scale. *Mammal Review*, **38**, 205–19.
- Earnhardt, J. M. (1999) Reintroduction programmes: genetic trade-offs for populations. *Animal Conservation*, **2**, 279–86.
- East, R. D. (1984) Rainfall, soil nutrient status and biomass of large African savanna mammals. *African Journal of Ecology*, **22**, 245–70.
- Easterbee, N., Hepburn, L. V., and Jefferies, D. J. (1991) *Survey on the Status of the Wildcat in Scotland, 1983–1987* Nature Conservancy Council for Scotland, Edinburgh, Scotland.
- Eaton, R. L. (1974) *The Cheetah*. Van Nostrand Reinhold, New York.
- Eberhardt, L. L. and Peterson, R. O. (1999) Predicting the wolf-prey equilibrium point. *Canadian Journal of Zoology*, **77**, 494–8.
- Efford, M., Warburton, B., and Spencer, N. (2000) Home range changes by brushtail possums in response to control. *Wildlife Research*, **27**, 117–27.
- EIA. (2004) *The Tiger Skin Trail*. Environmental Investigation Agency, London, UK.
- EIA-WPSI. (2006) *Skinning the Cat—Crime and Politics of the Big Cat Skin Trade*. Environmental Investigation Agency and Wildlife Protection Society, London, UK.
- Eisenberg, J. F. (1986) Life history strategies of the Felidae: variations on a common theme. In S. D. Miller and D. D. Everett (eds.), *Cats of the World: Biology, Conservation, and Management*, pp. 293–303. National Wildlife Federation, Washington DC.
- Eisenberg, J. F. (1981) *The Mammalian Radiations: An Analysis of Trends in Evolution*. University of Chicago Press, Chicago, IL.
- Eisenberg, J. F. and Lockhart, M. (1972) An ecological reconnaissance of Wilpattu National Park, Ceylon. *Smithsonian Contributions to Zoology*, **101**, 1–118.
- Eisenberg, J. F. and Redford, K. H. (1999) *Mammals of the Neotropics, the Central Neotropics, Vol. 3: Ecuador, Peru, Bolivia, Brazil*. University of Chicago Press, Chicago, IL.
- Eisenberg, J. F. and Seidensticker, J. (1976) Ungulates in southern Asia: a consideration of biomass estimates for selected habitats. *Biological Conservation*, **10**, 293–308.
- Eizirik, E., Johnson, W. E., and O'Brien, S. J. (in prep) Molecular systematics and revised classification of the family Felidae (Mammalia, Carnivora).
- Eizirik, E., Indrusiak, C., and Trigo, T. (2006) Refined mapping and characterization of a geographic contact zone between two neotropical cats, *Leopardus tigrinus* and *L. geoffroyi* (Mammalia, Felidae). *Cat News*, **45**, 8–11.
- Eizirik, E., Yuhki, N., Johnson, W. E., Menotti-Raymond, M., Hannah, S. S., and O'Brien, S. J. (2003) Molecular genetics and evolution of melanism in the cat family. *Current Biology*, **13**, 448–53.
- Eizirik, E., Kim, J. H., Menotti-Raymond, M., Crawshaw, P. G., O'Brien, S. J., and Johnson, W. E. (2001) Phylogeography, population history and conservation genetics of jaguars (*Panthera onca*, Mammalia, Felidae). *Molecular Ecology*, **10**, 65–79.
- Eizirik, E., Bonatto, S. L., Johnson, W. E., *et al.* (1998) Phylogeographic patterns and evolution of the mitochondrial DNA control Region in two neotropical cats (Mammalia, Felidae). *Journal of Molecular Evolution*, **47**, 613–24.
- Elenkov, I. J. and Chrousos, G. P. (2006) Stress system—organization, physiology and immunoregulation. *Neuro-immunomodulation*, **13**, 257–67.
- Elenkov, I. J. and Chrousos, G. P. (1999) Stress hormones, Th1/Th2 patterns, pro/anti-inflammatory cytokines and susceptibility to disease. *Trends in Endocrinology and Metabolism*, **10**, 359–68.
- Ellerman, J. R. and Morrison-Scott, T. C. S. (1951) Subgenus *Lynx* Kerr, 1792. In *Checklist of Palaearctic and Indian mammals, 1758–1946*, pp. 308–9. British Museum of Natural History, London, UK.
- Elliot, J. P., Cowan, I. M., and Holling, C. S. (1977) Prey capture of the African lion. *Canadian Journal of Zoology*, **55**, 1811–28.

- Eloff, F. C. (1984) The Kalahari ecosystem. *Koedoe Supplement*, **1984**, 11–20.
- Elsley, C. A. (1954) A case of cannibalism in Canada lynx (*Lynx canadensis*). *Journal of Mammalogy*, **35**, 129.
- Elton, C. and Nicholson, M. (1942) The ten-year cycle in numbers of the lynx in Canada. *Journal of Animal Ecology*, **11**, 215–44.
- Emerson, S. B. and Radinsky, L. (1980) Functional analysis of sabertooth cranial morphology. *Paleobiology*, **6**, 295–312.
- Emerton, L. (1998) Innovations for financing wildlife conservation in Kenya. *Paper prepared for Financial Innovations for Biodiversity Workshop, 10th Global Biodiversity Forum, Bratislava, 1–3 May 1998*, pp. 1–17. IUCN Eastern Africa Regional Office, Nairobi, Kenya.
- Emmons, L. H. (1988) A field study of ocelots (*Felis pardalis*) in Peru. *Revue d'Ecologie—La Terre et la Vie*, **43**, 133–57.
- Emmons, L. H. (1987) Comparative feeding ecology of felids in a neotropical rainforest. *Behavioral Ecology and Sociobiology*, **20**, 271–83.
- Emmons, L. H. (1984) Geographic variation in densities and diversities of non-flying mammals in Amazonia. *Biotropica*, **16**, 210–22.
- Emmons, L. H. and Feer, F. (1997) *Neotropical Rainforest Mammals: A Field Guide*. University of Chicago Press, Chicago, IL.
- Engel, S., Pagiola, S., and Wunder, S. (2008) Designing payments for environmental services in theory and practice: an overview of the issues. *Ecological Economics*, **65**, 633–74.
- Erb, K. P. (2004) *Consumptive wildlife utilisation as a land-use form in Namibia*. MBA dissertation, University of Stellenbosch, Stellenbosch, South Africa.
- Ernest, H. B., Boyce, W. M., Bleich, V. C., May, B., Stiver, S. J., and Torres, S. G. (2003) Genetic structure of mountain lion (*Puma concolor*) populations in California. *Conservation Genetics*, **4**, 353–66.
- Ernest, H. B., Boyce, W. M., Penedob, M. C. T., May, P., and Syvanen, M. (2000) Molecular tracking of mountain lions in the Yosemite Valley region in California: genetic analysis using microsatellites and faecal DNA. *Molecular Ecology*, **9**, 433–41.
- ESRI (1992) *ArcView 3.2*. Environmental Systems Research Institute Inc., Redlands, CA.
- Esterhuizen, W. C. N. and Norton, P. M. (1985) The leopard as a problem animal in the Cape Province, as determined by the permit system. *Bontebok*, **4**, 9–16.
- Estes, R. D. (1991) *The Behaviour Guide to African Mammals*. The University of California Press, Berkeley, CA.
- Etling, K. (2004) *Cougar Attacks: Encounters of the Worst Kind*. Lyons Press, Guilford, CT.
- European Association of Zoos and Aquaria (2008) <www.eaza.net>. Accessed online 10 Sept 2008.
- Evans, W. (1983) *The Cougar in New Mexico: Biology, Status, Depredation of Livestock, and Management Recommendations*. Response to House Memorial 42 of the New Mexico State Legislature. New Mexico Department of Game and Fish, Santa Fe, NM.
- Evermann, J. F. and Benfield, D. A. (2001) Coronaviral infections. In E. S. Williams and I. K. Barker (eds.), *Infectious Diseases of Wild Mammals*, pp. 245–53. Iowa State University, Ames, IA.
- Evermann, J. F., Laurenson, M. K., McKeirnan, A. J., and Caro, T. M. (1993) Infectious disease surveillance in captive and free-living cheetahs: an integral part of the species survival plan. *Zoo Biology*, **12**, 125–33.
- Evermann, J. F., Heeney, J. L., Roelke, M. E., McKeirnan, A. J., and O'Brien, S. J. (1988) Biological and pathological consequences of feline infectious peritonitis virus infection in the cheetah. *Archives of Virology*, **102**, 155–71.
- Evermann, J. F., Burns, G., Roelke, M. E., et al. (1983) Diagnostic features of an epizootic of feline infectious peritonitis in captive cheetahs. *American Association of Veterinary Laboratory Diagnosticians*, **26**, 365–82.
- Ewer, R. F. (1973) *The Carnivores*. Cornell University Press, Ithaca, NY.
- Ewer, R. F. (1968) *Ethology of Mammals*. Logos Press, London, UK.
- FAB. (2008) Information on disease. <www.fab.org.uk>. Accessed online 30 Jan 2008.
- Facure, K. G. and Giaretta, A. A. (1996) Food habits of carnivores in a coastal Atlantic Forest of southeastern Brazil. *Mammalia*, **60**, 499–502.
- Facure-Giaretta, K. G. (2002) *Ecologia alimentar de duas espécies de felinos do gênero Leopardus em uma floresta secundária no sudeste do Brasil*. PhD dissertation, Universidade Estadual de Campinas, Campinas, Brazil.
- Fahlman, A., Loveridge, A., Wenham, C., Foggin, C., Arnemo, J. M., and Nyman, G. (2005) Reversible anaesthesia of free-ranging lions (*Panthera leo*) in Zimbabwe. *Journal of the South African Veterinary Association*, **76**, 187–92.
- FAO (2007) *State of the World's Forests*. United Nations Food and Agriculture Organization, Rome, Italy.
- Farrell, L. E. (1999) *The ecology of the puma and the jaguar in the Venezuelan llanos*. MS dissertation, University of Florida, Gainesville, FL.
- Farrell, L. E., Roman, J., and Sunquist, M. E. (2000) Dietary separation of sympatric carnivores identified by molecular analysis of scats. *Molecular Ecology*, **9**, 1583–90.
- Federal Trade Commission (2000) Rules and regulations under the fur products labeling act. <www.ftc.gov/os/statutes/textile/fedreg/001228-fur.htm>. Accessed online 20 May 2008.
- Fedriani, J. M., Palomares, F., and Delibes, M. (1999) Niche relations among three sympatric Mediterranean carnivores. *Oecologia*, **121**, 138–48.
- Fedriani, J. M., Ferreras, P., and Laffitte, R. (1995) Un lince ibérico muere en Doñana a causa, aparentemente, de la agresión de otro lince. *Quercus*, **110**, 19.

- Felid Taxon Advisory Group (2008) <www.felidtag.org>. Accessed online 10 Sept 2008.
- Felipe, A. R. (2003) *Dieta do maracajá*, *Leopardus wiedii* (Schinz, 1821) e do *jaguarundi*, *Herpailurus yagouaroundi* (E. Geoffroy, 1803) nas matas de tabuleiro do norte do Espírito Santo. BS dissertation, Escola de Ensino Superior do Educandário Seráfico São Francisco de Assis, Santa Teresa, Brazil.
- Ferguson, H. (2006) *Guidelines to dealing with damage-causing leopards and crocodiles in KwaZulu-Natal*. Working Document. Ezemvelo KwaZulu-Natal Wildlife, KwaZulu-Natal, South Africa.
- Ferguson, S. H., Messier, F., Taylor, M. K., Born, E. W., and Rosing Asvid, A. (1999) Determinants of home range size for polar bears (*Ursus maritimus*). *Ecology Letters*, **2**, 311–18.
- Fernández, N., and Palomares, F. (2000) The selection of breeding dens by the endangered Iberian lynx (*Lynx pardinus*): implications for its conservation. *Biological Conservation*, **94**, 51–61.
- Fernandez, E., de Lope, F., and de la Cruz, C. (1992) Morphologie cranienne di chat sauvage (*Felis silvestris*) dans le sud de la Peninsule iberique: importance de l'introggression par le chat domestique (*F. catus*). *Mammalia*, **56**, 255–64.
- Fernández, N., Delibes, M., and Palomares, F. (2007) Habitat-related heterogeneity in breeding in a metapopulation of the Iberian lynx. *Ecography*, **30**, 431–4.
- Fernández, N., Delibes, M., and Palomares, F. (2006) Landscape evaluation in conservation: molecular sampling and habitat modeling for the Iberian lynx. *Ecological Applications*, **16**, 1037–49.
- Fernández, N., Delibes, M., Palomares, F., and Mladenoff, D. J. (2003) Identifying breeding habitat for the iberian lynx: inferences from a fine-scale spatial analysis. *Ecological Applications*, **13**, 1310–24.
- Fernández, N., Palomares, F., and Delibes, M. (2002) The use of breeding dens and kitten development in the Iberian lynx (*Lynx pardinus*). *Journal of Zoology*, **258**, 1–5.
- Ferraro, P. J. and Kiss, A. (2002) Direct payments to conserve biodiversity. *Science*, **298**, 1718–19.
- Ferreira, S. and Funston, P. J. (in press) Estimating lion population variables: prey and disease effects in Kruger National Park, South Africa. *Biological Conservation*.
- Ferrer, M. and Negro, J. J. (2004) The near extinction of two large European predators: super specialists pay a price. *Conservation Biology*, **18**, 344–9.
- Ferreras, P., Delibes, M., Palomares, F., Fedriani, J. M., Calzada, J., and Revilla, E. (2004) Proximate and ultimate causes of dispersal in the Iberian lynx *Lynx pardinus*. *Behavioral Ecology*, **15**, 31–40.
- Ferreras, P., Gaona, P., Palomares, F., and Delibes, M. (2001) Restore habitat or reduce mortality? Implications from a population viability analysis of the Iberian lynx. *Animal Conservation*, **4**, 265–74.
- Ferreras, P., Beltrán, J. F., Aldama, J. J., and Delibes, M. (1997) Spatial organization and land tenure system of the endangered Iberian lynx (*Lynx pardinus*). *Journal of Zoology*, **243**, 163–89.
- Ferreras, P., Aldama, J. J., Beltrán, J. F., and Delibes, M. (1992) Rates and causes of mortality in a fragmented population of Iberian lynx *Felis pardina* Temminck, 1824. *Biological Conservation*, **61**, 197–202.
- Ferroglio, E., Trisciunglio, A., Prouteau, A., et al. (2003) Antibodies to *Neospora caninum* in wild animals from Kenya, East Africa. *Veterinary Parasitology*, **118**, 43–9.
- Ficcarelli, G. (1979) The Villafranchian machairodonts of Tuscany. *Palaeontographica Italica*, **71**, 17–26.
- Field, M. J. (1955) Witchcraft as a primitive interpretation of mental disorder. *Journal of Mental Science*, **101**, 826–33.
- Filoni, C., Catao-Dias, J. L., Bay, G., et al. (2006) First evidence of feline herpesvirus, calicivirus, parvovirus, and *Ehrlichia* exposure in Brazilian free-ranging felids. *Journal of Wildlife Diseases*, **42**, 470–7.
- Fiorello, C. V., Noss, A. J., Deem, S. L., Maffei, L., and Dubovi, E. J. (2007) Serosurvey of small carnivores in the Bolivian Chaco. *Journal of Wildlife Diseases*, **43**, 551–7.
- Fisher, C. V. (1998) *Habitat use by free-ranging felids in the lower Rio Grande Valley*. MS dissertation, Southwest Texas State University, San Marcos, TX.
- Fitch, H. M. and Fagan, D. A. (1982) Focal palatine erosion associated with dental malocclusion in captive cheetahs. *Zoo Biology*, **1**, 295–310.
- Fitzgerald, B. M. (1988) Diet of domestic cats and their impact on prey populations. In D. C. Turner and P. Bateson (eds.), *The Domestic Cat: The Biology of Its Behaviour*, pp. 123–45. Cambridge University Press, Cambridge, UK.
- FitzGibbon, C. D. (1990a) Mixed species grouping in Thomson's and Grant's gazelles: the antipredator benefits. *Animal Behaviour*, **39**, 1116–26.
- FitzGibbon, C. D. (1990b) Why do hunting cheetahs prefer male gazelles? *Animal Behaviour*, **40**, 837–45.
- FitzGibbon, C. D. and Fanshawe, J. H. (1989) The condition and age of Thomson's gazelles killed by cheetahs and wild dogs. *Journal of Zoology*, **218**, 99–107.
- Fix, A. S., Riordan, D. P., Hill, H. T., Gill, M. A., and Evans, M. B. (1989) Feline panleukopenia virus and subsequent canine distemper virus infection in two snow leopards (*Panthera uncia*). *Journal of Zoo and Wildlife Medicine*, **20**, 273–81.
- Fletcher, K. C. (1978) Notoedric mange in a litter of snow leopards. *Journal of the American Veterinary Medical Association*, **173**, 1231–2.
- Flower, W. H. and Lydekker, R. (1891) *An Introduction to the Study of Mammals, Living and Extinct*. Adam and Charles Black, London, UK.

- Floyd, T. J., Mech, L. D., and Jordan, P. A. (1978) Relating wolf scat content to prey consumed. *Journal of Wildlife Management*, **42**, 528–32.
- Flux, J. E. C. (1994) World distribution. In H. V. Thompson and M. C. King (eds.), *The European Rabbit: The History and Biology of a Successful Colonizer*, pp. 8–21. Oxford University Press, Oxford, UK.
- Fonseca, G. A. B., da, Herrmann, G., Leite, Y. L. R., Mittermeier, R. A., Rylands, A. B., and Patton, J. L. (1996) Lista anotada dos mamíferos do Brasil. *Occasional Papers in Conservation Biology*, **4**, 1–38.
- Forbes, G. J. and Theberge, J. B. (1996) Cross-boundary management of Algonquin Park wolves. *Conservation Biology*, **10**, 1091–7.
- Forrester, N. L., Trout, R. C., Turner, S. L., et al. (2006) Unravelling the paradox of rabbit haemorrhagic disease virus emergence, using phylogenetic analysis: possible implications for rabbit conservation strategies. *Biological Conservation*, **131**, 296–306.
- Foster, R. J., (2008) *The ecology of jaguars (Panthera onca) in a human-influenced landscape*. PhD dissertation, University of Southampton, Southampton, UK.
- Foster R. J., Harmsen, B., and Doncaster, C. P. (in press-a) *Habitat use of jaguars and pumas across a gradient of human disturbance*. Biotropica.
- Foster, R. J., Harmsen, B. J., Valdes, B., Pomilla, C., and Doncaster, C. P. (in press-b) *Food habits of jaguars and pumas across a gradient of human disturbance*. *Journal of Zoology*.
- Fowler, M. W. (1995) *Restraint and Handling of Wild and Domestic Animals*, 2nd edn. Iowa State University Press, Ames, IA.
- Fox, H. E., Christian, C., Nordby, J. C., Pergams, O. R. W., Peterson, G. D., and Pyke, C. R. (2006) Perceived barriers to integrating social science and conservation. *Conservation Biology*, **20**, 1817–20.
- Fox, J. L. (1994) Snow leopard conservation in the wild—a comprehensive perspective on a low density and highly fragmented population. In J. L. Fox and D. Jizeng (eds.), *Proceedings of the 7th International Snow Leopard Symposium*, pp. 3–15. Northwest Plateau Institute of Biology and International Snow Leopard Trust, Seattle, WA.
- Fox, J. L. and Chundawat, R. S. (1988) Observations of snow leopard stalking, killing, and feeding behavior. *Mammalia*, **52**, 137–40.
- Fox, J. L. and Dorji, T. (2007) High elevation record for occurrence of the Manul or Pallas cat on the northwest Tibetan Plateau, China. *Cat News*, **46**, 35.
- FQR (2002) *Fourth Quinquennial Review of Schedules 5 and 8 of the Wildlife and Countryside Act, 1981*. Joint Nature Conservation Committee, Peterborough, UK.
- Frank, L., Woodroffe, R. and Ogada, M. (2005) People and predators in Laikipia District, Kenya. In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict or Co-existence?*, pp. 286–304. Cambridge University Press, Cambridge, UK.
- Frank, L., MacLennan, S., Hazzah, L., Bonham, R. and Hill, T. (2006) *Lion Killing in the Amboseli-Tsavo Ecosystem, 2001–2006, and Its Implications for Kenya's Lion Population*. Kilimanjaro Lion Conservation Project, Nanyuki, Kenya and Predator Compensation Fund, Nairobi, Kenya.
- Frank, L. and Woodroffe, R. (2001) Behaviour of carnivores in exploited and controlled populations. In J. Gittleman, S. Funk, D. W. Macdonald, and R. Wayne (eds.), *Carnivore Conservation*, pp. 419–42. Cambridge University Press, Cambridge, UK.
- Frank, L. and Woodroffe, R. (2002) Managing predators and livestock on an East African rangeland. In A. J. Loveridge, T. Lynam, and D. W. Macdonald (eds.), *Lion Conservation Research. Workshop 2: Modelling Conflict*, pp. 12–17. Wildlife Conservation Research Unit, Oxford, UK.
- Frank, L., Simpson, D., and Woodroffe, R. (2003) Foot snares: an effective method for capturing African lions. *Wildlife Society Bulletin*, **31**, 309–14.
- Frankham, R. (2009) Genetic considerations in reintroduction programs for large terrestrial predators. In M. K. Hayward and M. J. Somers (eds.), *The Reintroduction of Top Order Predators*, pp. 371–87. Wiley-Blackwell Publishing, Oxford, UK.
- Frankham, R. (2005) Genetics and extinction. *Biological Conservation*, **126**, 131–40.
- Frankham, R., Ballou, J., and Briscoe, D. (2009) *Introduction to Conservation Genetics*, Cambridge University Press, Cambridge, UK.
- Franklin, S. P., Troyer, J. L., Terwee, J. A., et al. (2007) Frequent transmission of immunodeficiency viruses among bobcats and pumas. *Journal of Virology*, **81**, 10961–9.
- Franklin, W. L., Johnson, W. E., Sarno, R. J., and Iriarte, J. A. (1999) Ecology of the Patagonia puma *Felis concolor patagonica* in southern Chile. *Biological Conservation*, **90**, 33–40.
- Frazer Sissom, D. E., Rice, D. A., and Peters, G. (1991) How cats purr. *Journal of Zoology*, **223**, 67–78.
- Freer, R. A. (2004) *The spatial ecology of the guinea (Oncifelis guigna) in Southern Chile*. PhD dissertation, University of Durham, Durham, UK.
- French, A. R., and Smith, T. B. (2005) Importance of body size in determining dominance hierarchies among diverse tropical frugivores. *Biotropica*, **37**, 96–101.
- French, D. D., Corbett, L. K., and Easterbee, N. (1988) Morphological discriminants of Scottish wildcats (*Felis silvestris*), domestic cats (*Felis catus*) and their hybrids. *Journal of Zoology*, **214**, 235–59.
- Frey, J. K. (2006) Inferring species distributions in the absence of occurrence records: an example considering wolverine (*Gulo gulo*) and Canada lynx (*Lynx canadensis*) in New Mexico. *Biological Conservation*, **130**, 16–24.
- Friedmann, Y. and Daly, B. (2004) *Red Data Book of the Mammals of South Africa: A Conservation Assessment*.

- Conservation Breeding Specialist Group (SS/IUCN) and Endangered Wildlife Trust, Johannesburg, South Africa.
- Fritz, H. and Duncan, P. (1994) On the carrying capacity for large ungulates of African savanna ecosystems. *Proceedings of the Royal Society of London Series B*, **256**, 77–82.
- Fritz, H. and Loison, A. (2006) Large herbivores across biomes. In K. Danell, P. Duncan, R. Bergström, and J. Pastor (eds.), *Large Herbivore Ecology, Ecosystems Dynamics and Conservation*, pp. 19–41. Cambridge University Press, Cambridge, UK.
- Fritz, H., Duncan, P., Gordon, I. J., and Illius, A. W. (2002) Megaherbivores influence trophic guild structure in African ungulate communities. *Oecologia*, **131**, 620–5.
- Fromont, E., Sager, A., Leger, F., et al. (2000) Prevalence and pathogenicity of retroviruses in wildcats in France. *Veterinary Record*, **146**, 317–19.
- Frost, P. G. and Bond, I. (2008) The CAMPFIRE programme in Zimbabwe: payments for wildlife services. *Ecological Economics*, **65**, 776–87.
- Fryxell, J. M., Wilmshurst, J. F., and Sinclair, A. R. E. (2004) Predictive models of movement by Serengeti grazers. *Ecology*, **85**, 2429–35.
- Fuller, T. K. and Sievert, P. R. (2001) Carnivore demography and the consequences of changes in prey availability. In J. L. Gittleman, S. M. Funk, D. W. MacDonald, and R. K. Wayne (eds.), *Carnivore Conservation*, pp. 163–78. Cambridge University Press, Cambridge, UK.
- Fuller, T. K., Berg, W. E., and Kuehn, D. W. (1985) Survival rates and mortality factors of adult bobcats in north-central Minnesota. *Journal of Wildlife Management*, **49**, 292–6.
- Funston, P. J. (2002) Game reserves and national parks: factors relevant to lion conflict. In A. J. Loveridge, T. Lynam, and D. W. Macdonald (eds.), *Lion Conservation Research. Workshop 2: Modelling Conflict*, pp. 21–3. Wildlife Conservation Research Unit, Oxford, UK.
- Funston, P. J. (2001a) Conservation of lions in the Kgalagadi Transfrontier Park: boundary transgression and problem animal control. In P. J. Funston (ed.), *The Kgalagadi Transfrontier Lion Project: population ecology and long-term monitoring of a free ranging population in an arid environment*, pp. 137–58. Unpublished report to The Green Trust.
- Funston, P. J. (2001b) *Final Report: Kalahari Transfrontier Lion Project*. Endangered Wildlife Trust, Johannesburg, South Africa.
- Funston, P. J. and Mills, M. G. L. (2006) The influence of lion predation on the population dynamics of common large ungulates in the Kruger National Park. *South African Journal of Wildlife Research*, **36**, 9–22.
- Funston, P. J., Hemson, G., Mosser, A., et al. (2007) Flexible sociality ensures the persistence of lion populations when persecuted by humans. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 59. Wildlife Conservation Research Unit, Oxford, UK.
- Funston, P. J., Mills, M. G. L., Richardson, P. R. K., and van Jaarsveld, A. S. (2003) Reduced dispersal and opportunistic territory acquisition in male lions (*Panthera leo*). *Journal of Zoology*, **259**, 131–42.
- Funston, P. J., Hermann, E., Babupi, P., et al. (2001a) *Spoor frequency estimates as a method of determining lion and other large mammal densities in the Kgalagadi Transfrontier Park*. Unpublished report to the management committee of the Kgalagadi Transfrontier Park, Botswana.
- Funston, P. J., Mills, M. G. L., and Biggs, H. C. (2001b) Factors affecting the hunting success of male and female lions in the Kruger National Park. *Journal of Zoology*, **253**, 419–31.
- Funston, P. J., Mills, M. G. L., Biggs, H. C., and Richardson, P. R. K. (1998) Hunting by male lions: ecological influences and socioecological implications. *Animal Behaviour*, **56**, 1333–45.
- FWC (2006) *Annual Report on the Research and Management of Florida Panthers: 2005–2006*. Fish and Wildlife Research Institute & Division of Habitat and Species Conservation; Florida Fish and Wildlife Conservation Commission, Naples, FL.
- Fyumagwa, R. D., Runyoro, V., Horak, I. G., and Hoare, R. (2007) Ecology and control of ticks as disease vectors in wildlife of the Ngorongoro Crater, Tanzania. *South African Journal of Wildlife Research*, **37**, 79–90.
- Galende, G. I., Grigera, D., and Von Tüngen, J. (1998) Composición de la dieta de chinchillón (*Lagidium viscacia*, Chinchillidae) en el Noroeste de la Patagonia. *Mastozoología Neotropical*, **5**, 123–8.
- Gamarra, J. G. P. and Solé, R. V. (2000) Bifurcations and chaos in ecology: lynx returns revisited. *Ecology Letters*, **3**, 114–21.
- Gaona, P., Ferreras, P., and Delibes, M. (1998) Dynamics and viability of a metapopulation of the endangered Iberian lynx (*Lynx pardinus*). *Ecological Monographs*, **68**, 349–70.
- Gaponov, V. V. (1991) Optimal numbers of red deer in the Ussuri forests. *Forest Management*, **5**, 44–5.
- Gaponov, V. V., Konkov, Yu. A., and Belozor, A. A. (2006) *Ungulates and Their Impact on Habitat as an Aspect of Far Eastern Leopard Conservation: An Example from Neshinskoe Hunting Lease*. Dalnauka, Vladivostok, Russia.
- García-Perea, R. (2002) Andean mountain cat, *Oreailurus jacobita*: morphological description and comparison with other felines from the altiplano. *Journal of Mammalogy*, **83**, 110–24.
- García-Perea, R. (2000) Survival of injured Iberian lynx (*Lynx pardinus*) and non-natural mortality in central-southern Spain. *Biological Conservation*, **93**, 265–9.



- García-Perea, R. (1994) The pampas cat group (genus *Lynchaillurus* Servetsov, 1858) (Carnivora, Felidae), a systematic and biogeographic review. *American Museum Novitates*, 1–36.
- García-Perea, R. (1992) New data on the systematics of lynxes. *Cat News*, **16**, 15–16.
- Garla, R. C., Setz, E. Z. F., and Gobbi, N. (2001) Jaguar (*Panthera onca*) food habits in atlantic rain forest of South-eastern Brazil. *Biotropica*, **33**, 691–6.
- Gaskell, R. M., Dawson, S., and Radford, A. D. (2006) Feline respiratory disease. In C. E. Greene (ed.), *Infectious Diseases of the Dog and Cat*, pp. 145–54. W.B. Saunders, Philadelphia, PA.
- Gasper, P. W. and Watson, R. P. (2001) Plague and yersiniosis. In E. S. Williams and I. K. Barker (eds.) *Infectious Diseases of Wild Mammals*, pp. 313–29. Iowa State University Press, Ames, IA.
- Gaston, K. J. (1991) How large is a species' geographic range? *Oikos*, **61**, 434–8.
- Gatzweiler, F. W. (2006) Organizing a public ecosystem service economy for sustaining biodiversity. *Ecological Economics*, **59**, 296–304.
- Gaubert, P. and Véron, G. (2003) Exhaustive sample set among Viverridae reveals the sister-group of felids: the linsangs as a case of extreme morphological convergence within Feliformia. *Proceedings of the Royal Society of London Series B*, **270**, 2523–30.
- Gaveau, D. L. A., Wandono, H., and Setiabudi, F. (2007) Three decades of deforestation in southwest Sumatra: have protected areas halted forest loss and logging, and promoted re-growth? *Biological Conservation*, **134**, 495–504.
- Geertsema, A. (1985) Aspects of the ecology of the serval *Leptailurus serval* in the Ngorongoro crater, Tanzania. *Netherlands Journal of Zoology*, **35**, 527–610.
- Geertsema, A. (1976) Impressions and observation on serval behaviour in Tanzania, East Africa. *Mammalia*, **40**, 13–19.
- Geffen, E., Luikart, G., and Waples, R. S. (2007) Impacts of modern molecular genetic techniques on conservation biology. In D. W. Macdonald and K. Service (eds.), *Key Topics in Conservation Biology*, pp. 46–63. Blackwell Publishing, Oxford, UK.
- Gehrt, S. D. and Fritzell, E. K. (1998) Resource distribution, female home range dispersion and male spatial interactions: group structure in a solitary carnivore. *Animal Behaviour*, **55**, 1211–27.
- Geraads, D. (1980) Un nouveau féliné (Fissipeda, Mammalia) du Pléistocène Moyen du Maroc: *Lynx thomasi* n. sp. *Geobios*, **13**, 441–4.
- Gérard, J. (1856) *The Adventures of Gérard, the Lion Killer*. Derby and Jackson, New York.
- Germann, P. G., Kohler, M., Ernst, H., Baumgart, H., and Mohr, U. (1990) The relation of amyloidosis to social stress induced by crowding in the Syrian hamster (*Mesocricetus auratus*). *Zeitschrift Fur Versuchstierkunde*, **33**, 271–5.
- Gervais, P. (1850) *Zoologie et Paléontologie Françaises*. Arthus Bertrand, Paris, France.
- Gil-Sánchez, J. M., Ballesteros-Duperon, E., and Bueno-Segura, J. F. (2006) Feeding ecology of the Iberian lynx *Lynx pardinus* in eastern Sierra Morena (Southern Spain). *Acta Theriologica*, **51**, 85–90.
- Gilbert, D. A., Pusey, A. E., Stephens, J. C., and O'Brien, S. J. (1991) Analytical DNA fingerprinting in lions: parentage, genetic diversity, and kinship. *Journal of Heredity*, **82**, 378–86.
- Gilpin, M. E. and Soulé, M. E. (1986) Minimum viable populations: processes of species extinction. In M. E. Soulé (ed.), *Conservation Biology: The Science of Scarcity and Diversity*, pp. 19–34. Sinauer Associates, Sunderland, MA.
- Ginsburg, L. (1999) Order Carnivora. In G. E. Rössner and K. Heissig (eds.), *The Miocene Land Mammals of Europe*, pp. 109–48. Verlag, München, Germany.
- Ginsburg, L. (1983) Sur les modalités d'évolution du genre Néogène *Pseudaelurus* Gervais (Felidae, Carnivora, Mammalia). *Colloques Internationaux du CNRS*, **330**, 131–6.
- Ginsburg, L., Morales, J., and Soria, D. (1981) Nuevos datos sobre los carnívoros de los Valles do Fuentidueña (Segovia). *Estudios Geológicos*, **37**, 383–415.
- Gittleman, J. L. (1991) Carnivore olfactory bulb size - allometry, phylogeny and ecology. *Journal of Zoology*, **225**, 253–72.
- Gittleman, J. L. (1989) Carnivore group-living: comparative trends. In J. L. Gittleman (ed.), *Carnivore Behavior, Ecology, and Evolution*, pp. 183–207. Cornell University Press, Ithaca, NY.
- Gittleman, J. L. (1985) Carnivore body size: ecological and taxonomic correlates. *Oecologia*, **67**, 540–54.
- Gittleman, J. L. and Harvey, P. H. (1982) Carnivore home range size, metabolic needs and ecology. *Behavioral Ecology and Sociobiology*, **10**, 57–63.
- Glanz, W. E. (1982) The terrestrial mammal fauna of Barro Colorado Island: census and long-term changes. In E. G. Leigh, Jr., A. S. Rand, and D. M. Windsor (eds.) *The Ecology of a Tropical Forest: Seasonal Rhythms and Long-Term Changes*, pp. 455–68. Smithsonian Institution Press, Washington DC.
- Glas, L. (in press) Jungle cat *Felis chaus*. In J. S. Kingdon and M. Hoffmann (eds.), *The Mammals of Africa 5: Carnivora, Pholidota, Perissodactyla*. Academic Press, Amsterdam, the Netherlands.
- Glazier, D. S. and Eckert, S. E. (2002) Competitive ability, body size and geographical range size in small mammals. *Journal of Biogeography*, **29**, 81–92.
- GLC (2000) *Global land cover dataset*. European Commission Joint Research Centre, Institute for Environment and Sustainability, Ispra, Italy.

- Glenn, B. L., Kocan, A. A., and Blouin, E. F. (1983) Cytotoxic zoonosis in bobcats. *Journal of the American Veterinary Medical Association*, **183**, 1155–8.
- Godoy, J. A. (2006) Iberian lynx population genetics: Doñana, Sierra Morena and ex situ program. In *Iberian Lynx Ex-Situ Conservation Seminar Series: Book Proceedings*, pp. 59–60. Fundación Biodiversidad, Sevilla and Doñana, Spain.
- Goeritz, F., Vargas, A., Martínez, F. *et al.* (2009). Ultrasonographical assessment of structure and function of the male and female reproductive organs in the Eurasian and the Iberian lynx. In A. Vargas, C. Breitenmoser, U. Breitenmoser, (eds.), *Iberian Lynx Ex-situ Conservation: An Interdisciplinary Approach*, pp. 366–75. Fundación Biodiversidad, Madrid, Spain.
- Gomez, M. C. and Pope, C. E. (2005) Current concepts in cat cloning. In A. Inui (ed.), *Health Consequences of Cloning*, pp. 11–151. Taylor & Francis, Boca Raton, FL.
- Gomez, M. C., Pope, C. E., and Dresser, B. L. (2006) Nuclear transfer in cats and its application. *Theriogenology*, **66**, 72–81.
- Gompper, M. E. (2002) The ecology of northeast coyotes: current knowledge and priorities for future research. WCS Working Paper No. 17, Wildlife Conservation Society, New York.
- Gompper, M. E. and Gittleman, J. L. (1991) Home range scaling: intraspecific and comparative trends. *Oecologia*, **87**, 343–8.
- Gonyea, W. J. (1976) Adaptive differences in the body proportions of large felids. *Acta Anatomica*, **96**, 81–96.
- Gonyea, W. and Ashworth, R. (1975) Form and function of retractile claws in the Felidae and other representative carnivores. *Journal of Morphology*, **145**, 229–38.
- González-Oreja, J. A. (1998) Non-natural mortality of the Iberian lynx in the fragmented population of Sierra de Gata (W Spain). *Miscel-lania Zoologica*, **21**, 31–5.
- Goodman, P. (2003) Assessing management effectiveness and setting priorities in protected areas in KwaZulu-Natal. *BioScience*, **53**, 843–50.
- Goodrich, J. M. and Miquelle, D. G. (2005) Translocation of problem Amur tigers *Panthera tigris altaica* to alleviate tiger-human conflicts. *Oryx*, **39**, 454–7.
- Goodrich, J. M., Kerley, L. L., Smirnov, E. N., *et al.* (2008) Survival rates and causes of mortality of Amur tigers on and near the Sikhote-Alin Biosphere Zapovednik. *Journal of Zoology*, **276**, 323–9.
- Goodrich, J. M., Miquelle, D., Smirov, E., Kerley, L., Hornocker, M., and Quigley, H. (2007) Social structure, human-induced mortality and conservation of Amur tigers. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 50. Wildlife Conservation Research Unit, Oxford, UK.
- Goodrich, J. M., Kerley, L. L., Miquelle, D. G., Smirnov, E. N., Quigley, H. B., and Hornocker, M. G. (2005) Social structure of Amur tigers on Sikhote-Alin Biosphere Zapovednik. In D. G. Miquelle, E. N. Smirnov, and J. M. Goodrich (eds.), *Tigers of Sikhote-Alin Zapovednik: Ecology and Conservation*, pp. 50–60. PSP, Vladivostok, Russia.
- Goodrich, J. M., Kerley, L. L., Schleyer, B. O., *et al.* (2001) Capture and chemical anesthesia of Amur (Siberian) tigers. *Wildlife Society Bulletin*, **29**, 533–42.
- Gordon, C. H. and Stewart, A.-M. E. (2007) The use of logging roads by clouded leopards. *Cat News*, **47**, 12–13.
- Goeritz F., Vargas, A., Martinez, F., *et al.* (2009) Ultrasonographical assessment of structure and function of the male and female reproductive organs in the Eurasian and the Iberian lynx. In A. Vargas, C. Breitenmoser and U. Breitenmoser (eds.), *Iberian Lynx Ex Situ Conservation: An Interdisciplinary Approach*, pp. 366–75. Fundación Biodiversidad, Madrid.
- Gosling, L. M. (1982) A reassessment of the function of scent marking in territories. *Zeitschrift für Tierpsychologie*, **60**, 89–118.
- Gottelli, D., Wang, J., Bashir, S., and Durant, S. M. (2007) Genetic analysis reveals promiscuity among female cheetahs. *Proceedings of the Royal Society of London Series B*, **274**, 1993–2001.
- Gould, D. H. and Fenner, W. R. (1983) Paramyxovirus-like nucleocapsids associated with encephalitis in a captive Siberian tiger. *Journal of the American Veterinary Medical Association*, **183**, 1319–22.
- Government of India (2005) *Joining the Dots: The Report of the Tiger Task Force*. Project Tiger, New Delhi, India.
- Government of USA (2007a) Additional information on amendment proposal COP 14 Prop 2. CITES COP14 Inf. 30. The Hague, the Netherlands. <[www.cites.org/eng/cop/14/inf/index.shtml](http://www.cites.org/eng/cop/14/inf/index.shtml)>. Accessed online 5 May 2009.
- Government of USA (2007b) Proposal for deletion of *Lynx rufus* from Appendix II. CITES COP14 Prop 2. The Hague, the Netherlands. <[www.cites.org/eng/cop/14/prop/index.shtml](http://www.cites.org/eng/cop/14/prop/index.shtml)>. Accessed online 5 May 2009.
- Gradstein, F., Ogg, J., and Smith, A. (2004) *A Geologic Time Scale 2004*. Cambridge University Press, Cambridge, UK.
- Graham, A. L., Cattadori, I. M., Lloyd-Smith, J. O., Ferrari, M. J., and Bjornstad, O. N. (2007) Transmission consequences of coinfection: cytokines writ large? *Trends in Parasitology*, **23**, 284–91.
- Graham, K., Beckerman, A. P., and Thirgood, S. (2005) Human-predator-prey conflicts: ecological correlates, prey losses and patterns of management. *Biological Conservation*, **122**, 159–71.
- Graham, L. H., Byers, A. P., Armstrong, D. L., *et al.* (2006) Natural and gonadotropin-induced ovarian activity in tigers (*Panthera tigris*) assessed by fecal steroid analyses. *General and Comparative Endocrinology*, **147**, 362–70.

- Graham, L. H., Swanson, W. F., and Brown, J. L. (2000) Chorionic gonadotropin administration in domestic cats causes an abnormal endocrine environment that disrupts oviductal embryo transport. *Theriogenology*, **54**, 1117–31.
- Grange, S. and Duncan, P. (2006) Bottom-up and top-down processes in African ungulate communities: resources and predation acting on relative abundances of zebra and grazing bovinds. *Ecography*, **29**, 899–907.
- Grassman, L. I., Jr (2000) Movements and diet of the leopard cat *Prionailurus bengalensis* in a seasonal evergreen forest in south-central Thailand. *Acta Theriologica*, **45**, 421–6.
- Grassman, L. I., Jr (1998a) Ecology and behavior of the Indochinese leopard (*Panthera pardus delacourii*) in a subtropical evergreen forest in southern Thailand. *Scientific Reports of the Zoological Society 'La Torbiera'*, **4**, 40–58. Societa Zoologica La Torbiera, IUCN.
- Grassman, L. I., Jr (1998b) Movements and fruit selection of two Paradoxurinae palm civet species in a subtropical evergreen forest in southern Thailand. *Scientific Reports of the Zoological Society 'La Torbiera'*, **4**, 3–21. Societa Zoologica La Torbiera, IUCN.
- Grassman, L. I., Jr and Tewes, M. E. (2002) Marbled cat pair in northeastern Thailand. *Cat News*, **36**, 19–20.
- Grassman, L. I., Jr, Tewes, M., Silvy, N. J., and Kreetiyutnant, K. (2005a) Spatial organization and diet of the leopard cat (*Prionailurus bengalensis*) in north-central Thailand. *Journal of Zoology*, **266**, 45–54.
- Grassman, L. I., Jr, Tewes, M. E., Silvy, N. J., and Kreetiyutnant, K. (2005b) Ecology of three sympatric felids in a mixed evergreen forest in north-central Thailand. *Journal of Mammalogy*, **86**, 29–38.
- Grassman, L. I., Jr, Austin, S. C., Tewes, M. E., and Silvy, N. J. (2004) Comparative immobilization of wild felids in Thailand. *Journal of Wildlife Diseases*, **40**, 575–8.
- Gratwicke, B., Seidensticker, J., Shrestha, M., Vermilye, K., and Birnbaum, M. (2007) Evaluating the performance of a decade of Save the Tiger Fund's investments to save the world's last wild tigers. *Environmental Conservation*, **34**, 255–65.
- Gratwicke, B., Bennett, E. L., Broad, S., et al. (2008a) The world can't have wild tigers and eat them, too. *Conservation Biology*, **22**, 222–3.
- Gratwicke, B., Mills, J., Dutton, A., et al. (2008b) Attitudes toward consumption and conservation of tigers in China. *PLoS ONE*, **3**, e2544.
- Green, M. J. B. and Zhimbiyev, B. (1997) Transboundary protected areas and snow leopard conservation. In R. Jackson and A. Ahmad (eds.), *Proceedings of the 8th International Snow Leopard Symposium*. WWF Pakistan and International Snow Leopard Trust, Seattle, WA.
- Greene, C. E. and Addie, D. D. (2006) Feline parvovirus infections. In C. E. Greene (ed.), *Infectious Diseases of the Dog and Cat*, pp. 78–88. W.B. Saunders, Philadelphia, PA.
- Greene, C. E. and Appel, M. J. G. (2006) Canine distemper. In C. E. Greene (ed.) *Infectious Diseases of the Dog and Cat*, pp. 25–7. W.B. Saunders, Philadelphia, PA.
- Greene, C., Umbanhowar, J., Mangel, M., and Caro, T. M. (1998) Animal breeding systems, hunter selectivity, and consumptive use in wildlife conservation. In T. M. Caro (ed.), *Behavioral Ecology and Conservation Biology*, pp. 271–305. Oxford University Press, New York.
- Greene, C. E. (ed.) (2006) *Infectious Diseases of the Dog and Cat*. W.B. Saunders, Philadelphia, PA.
- Grenfell, B. T., Bjornstad, O. N., and Kappey, J. (2001) Travelling waves and spatial hierarchies in measles epidemics. *Nature*, **414**, 716–23.
- Griffin, A. S., Blumstein, D. T., and Evans, C. (2000) Training captive-bred or translocated animals to avoid predators. *Conservation Biology*, **14**, 1317–26.
- Griffith, B., Scott, J. M., Carpenter, J. W., and Reed, C. (1989) Translocation as a species conservation tool—status and strategy. *Science*, **245**, 477–80.
- Griffith, M. A., Buie, D. E., Fendleyan, T. T., and Shipes, D. D. (1980) Preliminary observations of subadult bobcat movement behaviour. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies*, **34**, 563–71.
- Grigione, M. M., Beier, P., Hopkins, R. A., et al. (2002) Ecological and allometric determinants of home range size for mountain lions (*Puma concolor*). *Animal Conservation*, **5**, 317–24.
- Grigione, M. M., Burman, P., Bleich, V. C., and Pierce, B. M. (1999) Identifying individual mountain lions *Felis concolor* by their tracks—refinement of an innovative technique. *Biological Conservation*, **88**, 25–32.
- Grinnell, J. and McComb, K. (2001) Roaring and social communication in African lions: the limitations imposed by listeners. *Animal Behaviour*, **62**, 93–8.
- Grinnell, J., Packer, C., and Pusey, A. E. (1995) Cooperation in male lions: kinship, reciprocity or mutualism? *Animal Behaviour*, **49**, 95–105.
- Grobbelaar, C. and Masulani, R. (2003) *Review of Offtake Quotas, Trophy Quality and 'Catch Effort' across the Four Main Wildlife Species Elephant, Buffalo, Lion and Leopard*. WWF SARPO, Harare, Zimbabwe.
- Grobler, D. G., Michel, A. L., De Klerk, L. M., and Bengis, R. G. (2002) The gamma-interferon test: its usefulness in a bovine tuberculosis survey in African buffaloes (*Syncerus caffer*) in the Kruger National Park. *Onderstepoort Journal of Veterinary Research*, **69**, 221–7.
- Grobler, J. H. (1981) Feeding behaviour of the caracal *Felis caracal* Schreber, 1776, in the Mountain Zebra National Park. *South African Journal of Zoology*, **16**, 259–62.
- Groiss, J. T. (1996) The 'cave lion' *Panthera tigris spelaea* (Goldfuss). *Neues Jahrbuch für Geologie und Paläontologie—Monatshefte*, 1996 (7), 399–414.

- Gromov, E. I. and Matyushkin, E. N. (1974) Analysis of the competitive relations between tigers and wolves in the Sikhote-Alin. *Nauchn. doklady vysshey shkoly. Biolog. nauki*, **2**, 20–5.
- Gros, P. M. (2002) The status and conservation of the cheetah *Acinonyx jubatus* in Tanzania. *Biological Conservation*, **106**, 177–85.
- Gros, P. M. (1998) Status of the cheetah *Acinonyx jubatus* in Kenya: a field-interview assessment. *Biological Conservation*, **85**, 137–49.
- Gros, P. M. (1996) Status of the cheetah in Malawi. *Nyala*, **19**, 33–6.
- Gros, P. M. and Rejmanek, M. (1999) Status and habitat preferences of Uganda cheetahs: an attempt to predict carnivore occurrence based on vegetation structure. *Biodiversity and Conservation*, **8**, 1561–83.
- Gross, L. (2008) No place for predators? *PloS Biology*, **6**, e40.
- Groves, C. P. (1982) Cranial and dental characteristics in the systematics of old world Felidae. *Carnivore*, **5**, 28–39.
- Guerrero, S., Badii, M. H., Zalapa, S. S., and Flores, A. E. (2002) Dieta y nicho de alimentación del coyote, zorra gris, mapache y jaguarundi en un bosque tropical caducifolio de la costa sur del estado de Jalisco, México. *Acta Zoologica Mexicana*, **86**, 119–37.
- Guggisberg, C. A. W. (1975) *Wild Cats of the World*. David & Charles, Newton Abbot, UK.
- Guggisberg, C. A. W. (1962) *Simba, the Life of the Lion*. Bailey Bros & Swinfen, London, UK.
- Gugolz, D., Bernasconi, M., Breitenmoser-Würsten, C., and Wandeler, P. (2008) Historical DNA reveals the phylogenetic position of the extinct Alpine lynx. *Journal of Zoology*, **275**, 201–8.
- Guilin Xionsgen Bear and Tiger Garden (2007) *The Status Quo of Captive Bred Tigers and Difficulties*. Xionsgen Bear and Tiger Garden, Guilin, Harbin, China.
- Guiserix, M., Bahi-Jaber, N., Fouchet, D., Sauvage, F., and Pontier, D. (2007) The canine distemper epidemic in Serengeti: are lions victims of a new highly virulent canine distemper virus strain, or is pathogen circulation stochasticity to blame? *Journal of the Royal Society Interface*, **4**, 1127–34.
- Gunther, I. and Terkel, J. (2002) Regulation of free-roaming cat (*Felis silvestris catus*) populations: a survey of the literature and its application to Israel. *Animal Welfare*, **11**, 171–88.
- Gupta, A. K. (2005) Manas: Transboundary conservation on the Assam-Bhutan Border. In R. Mittermeier, C. F. Kormos, C. Mittermeier, P. Robles Gil, T. Sandwith, and C. Besançon (eds.), *Transboundary Conservation: A New Vision for Protected Areas*, pp. 291–6. CEMEX/Conservation International, Arlington, VA.
- Gurung, B., Smith, J. L. D., McDougal, C., and Karki, J. B. (2006a) *Tiger Human Conflicts: Investigating Ecological and Sociological Issues of Tiger Conservation in the Buffer Zone of Chitwan National Park, Nepal*. WWF-Nepal Program, Kathmandu, Nepal.
- Gurung, B., Smith, J. L. D., and Shrestha, M. (2006b) Using a 'bagh heralu' network to map the metapopulation structures of tigers in Nepal. In J. A. McNeely, T. M. McCarthy, A. Smith, L. Olsvig-Whittaker, and E. D. Wikramanayake (eds.), *Conservation Biology in Asia*, pp. 214–31. Resources Himalaya Foundation, Kathmandu, Nepal.
- Gustafson, E. P. (1978) The vertebrate faunas of the Pliocene Ringold Formation, south-central Washington. *Bulletin of the Museum of Natural History, University of Oregon*, **23**, 1–62.
- Guzmán, J. N., García, F. J., Garrote, G., Pérez de Ayala, R., and Iglesias, C. (2004) *El linco ibérico (Lynx pardinus) en España y Portugal. Censo diagnóstico de sus poblaciones*. Dirección General para la Biodiversidad, Madrid, Spain.
- Haas, L., Liess, B., Hofer, H., East, M., Wohlsein, P., and Barrett, T. (1996) Canine distemper virus infection in Serengeti spotted hyaenas. *Veterinary Microbiology*, **49**, 147–52.
- Habibi, K. (2004) *Mammals of Afghanistan*. Kabul, Afghanistan.
- Haines, A. M., Grassman, Jr, L. I., Tewes, M. E., and Janecka, J. E. (2006a) First ocelot (*Leopardus pardalis*) monitored with GPS telemetry. *European Journal of Wildlife Research*, **52**, 216–18.
- Haines, A. M., Janecka, J. E., Tewes, M. E., Grassman, Jr, L. I., and Morton, P. (2006b) The importance of private lands for ocelot *Leopardus pardalis* conservation in the United States. *Oryx*, **40**, 90–4.
- Haines, A. M., Tewes, M. E., Laack, L. L., Horne, J. S., and Young, J. H. (2006c) A habitat-based population viability analysis for ocelots (*Leopardus pardalis*) in the United States. *Biological Conservation*, **132**, 424–36.
- Haines, A. M., Tewes, M. E., and Laack, L. L. (2005) Survival and sources of mortality in Ocelots. *Journal of Wildlife Management*, **69**, 255–63.
- Haines, A. M., Grassman, Jr, L. I., and Tewes, M. E. (2004) Survival of radiocollared adult leopard cats *Prionailurus bengalensis* in Thailand. *Acta Theriologica*, **49**, 349–56.
- Haller, H. (1992) Zur Ökologie des Luchses *Lynx lynx* im Verlauf seiner Wiederansiedlung in den Walliser Alpen. *Mammalia depicta, Beiheft für Zeitschrift zur Säugetierkunde*, **15**, 1–60.
- Haller, H. and Breitenmoser, U. (1986) Zur Raumorganisation der in den Schweizer Alpen wiederangesiedelten Population des Luchses *Lynx lynx*. *Zeitschrift für Säugetierkunde*, **51**, 289–311.
- Halley, J. and Hoelzel, A. R. (1996) Simulation models of bottleneck events in natural populations. In T. B. Smith and R. K. Wayne (eds.) *Molecular Genetic Approaches in Conservation*, pp. 347–64. Oxford University Press, Oxford, UK.
- Haltenorth, T. (1953) *Die Wildkatzen der alten Welt*. Geest & Portig, Leipzig, Germany.

- Hamilton, D. (2007) Cougar hysteria: addressing mountain lion mania in the Midwest and the East. *Wild Cat News*, **2**, 1–7.
- Hamilton, M. J. and Kennedy, M. L. (1986) Genic variation in the coyote, *Canis latrans*, in Tennessee, U.S.A. *Genetica*, **71**, 167–73.
- Hamilton, P. H. (1986) Status of the cheetah in Kenya with reference to sub-Saharan Africa. In S. D. Miller and D. D. Everett (eds.), *Cats of the World*, pp. 65–76. National Wildlife Federation, Washington DC.
- Hamilton, P. H. (1981) *The Leopard Panthera pardus and the Cheetah Acinonyx jubatus in Kenya*. US Fish and Wildlife Service, the African Wildlife Leadership Foundation and the Government of Kenya, Nairobi, Kenya.
- Hamilton, P. H. (1976) *The movements of leopards in Tsavo National Park, Kenya, as determined by radio-tracking*. MS dissertation, University of Nairobi, Nairobi, Kenya.
- Hampson, K. (2009) Transmission dynamics and the prospects for the elimination of canine rabies. *PLoS Biology*, **7**, e53.
- Hanby, J. P. and Bygott, J. D. (1987) Emigration of sub adult lions. *Animal Behaviour*, **35**, 161–9.
- Hanby, J. P. and Bygott, J. D. (1979) Population changes in lions and other predators. In A. R. E. Sinclair and P. Arcese (eds.), *Serengeti II: Dynamics, Management and Conservation of an Ecosystem*, pp. 249–62. University of Chicago Press, Chicago, IL and London, UK.
- Hanby, J. P., Bygott, J. D., and Packer, C. (1995) Ecology, demography, and behavior of lions in two contrasting habitats: Ngorongoro Crater and the Serengeti Plains. In A. R. E. Sinclair and P. Arcese (eds.), *Serengeti II: Dynamics, Management, and Conservation of an Ecosystem*, pp. 315–31. University of Chicago Press, Chicago, IL.
- Hanks, J. (2005) Kavango-Zambezi: the four corners trans-frontier conservation area. In R. Mittermeier, C. F. Kormos, C. Mittermeier, P. Robles Gil, T. Sandwith, and C. Besançon (eds.), *Transboundary Conservation: A New Vision for Protected Areas*, pp. 265–72. CEMEX/Conservation International, Arlington, VA.
- Hansen, A. J., Rasker, R., Maxwell, B., et al. (2002) Ecological causes and consequences of demographic change in the New West. *BioScience*, **52**, 151–62.
- Hanski, I. A. and Simberloff, D. (1997) The metapopulation approach, its history, conceptual domain, and application to conservation. In I. A. Hanski and M. E. Gilpin (eds.), *Metapopulation Biology: Ecology, Genetics, and Evolution*, pp. 5–26. Academic Press, San Diego, CA.
- Haque, N. M. and Vijayan, V. S. (1993) Food habits of the fishing cat *Felis viverrina* in Keoladeo National Park, Bharatpur, Rajasthan. *Journal of the Bombay Natural History Society*, **90**, 498–500.
- Harada, M. and Smith, A. M. (1975) Minamata disease: a medical report. In W. E. Smith and A. M. Smith (eds.), *Minamata*. Holt, Rinehart and Winston, New York.
- Harcourt, A. H., Parks, S. A., and Woodroffe, R. (2001) Human density as an influence on species/area relationships: double jeopardy for small African reserves? *Biodiversity and Conservation*, **10**, 1011–26.
- Hardin G. (1968) The tragedy of the Commons. *Science*, **162**, 1243–8.
- Harihar, A., Kurien, A., Pandav, B., and Goyal, S. P. (2007) Response of tiger populations to habitat, wild ungulate prey and human disturbance in Rajaji National Park Uttarakhand. Final Technical Report, Wildlife Institute of India, Dehradun, India.
- Harmsen, B. J. (2006) *The use of camera traps for estimating abundance and studying the ecology of jaguars (Panthera onca)*. PhD dissertation, University of Southampton, Southampton, UK.
- Harmsen, B. J., Foster, R. J., Jutierrez, S., Martin, S. and Doncaster, C. P. (in press a) Scrape-marking behaviour of jaguars (*Panthera onca*) and pumas (*Puma concolor*) in a Belizian rainforest. *Journal of Mammalogy*.
- Harmsen, B. J., Foster R. J., Silver, S. C., Ostro, L. E. T., and Doncaster, C. P. (in press b) Differential use of trails by forest mammals and the implications for camera trap studies, a case study from Belize. *Biotropica*.
- Harmsen, B. J., Foster, R. J., Silver, S. C., Ostro, L. E. T., and Doncaster, C. P. (2009) Spatial and temporal interactions of two sympatric cats in a neotropical forest: the jaguar (*Panthera onca*) and the puma (*Puma concolor*). *Journal of Mammalogy*, **90**, 612–20.
- Harris, R. B., Wall, W. A., and Allendorf, F. W. (2002) Genetic consequences of hunting: what do we know and what should we do? *Wildlife Society Bulletin*, **30**, 634–43.
- Harris, S., Morris, P., Wray, S., and Yalden, D. W. (1995) *A Review of British Mammals: Population Estimates and Conservation Status of British Mammals Other than Cetaceans*. Joint Nature Conservation Committee, Peterborough, UK.
- Harrison, R. M. and Wildt, D. E. (eds.) (1980) *Animal Laparoscopy*. Williams and Wilkins Co., Baltimore, MD.
- Harrison, T. M., Munson, L., Mazet, J. K., et al. (2004) Antibodies to canine and feline viruses in spotted hyenas (*Crocuta crocuta*) in the Masai Mara National Reserve, Kenya. *Journal of Wildlife Diseases*, **40**, 1–10.
- Hart, B. L. and Hart, L. A. (1985) *Canine and Feline Behavioural Therapy*. Lea and Febiger, Philadelphia, PA.
- Hart, D. and Sussmann, R. W. (2009) *Man the Hunted: Primates, Predators, and Human Evolution*. Westview, New York.
- Hart, J. A., Katembo, M., and Punga, K. (1996) Diet, prey selection and ecological relations of leopard and golden

- cat in the Ituri Forest, Zaire. *African Journal of Ecology*, **34**, 364–79.
- Hartmann, H. (2006) Reintroduction of captive-bred wildcats in Germany. In *Iberian Lynx Ex-Situ Conservation Seminar Series: Book of Proceedings*, p. 135. Fundación Biodiversidad, Sevilla & Doñana, Spain.
- Harveson, L. A. (1997) *Ecology of a mountain lion population in southern Texas*. PhD dissertation, Texas A&M University, College Station and Texas A&M University Kingsville, Kingsville, TX.
- Harveson, L. A., Tewes, M. E., Silvy, N. J., and Rutledge, J. (2000) Prey use by mountain lions in southern Texas. *Southwestern Naturalist*, **45**, 472–6.
- Harveson, P. M., Tewes, M. E., Anderson, G. L., and Laack, L. L. (2004) Habitat use by ocelot in south Texas: implications for restoration. *Wildlife Society Bulletin*, **32**, 948–54.
- Hast, M. H. (1989) The larynx of roaring and non-roaring cats. *Journal of Anatomy*, **163**, 117–21.
- Hatten, J. R., Averill-Murray, A., and Van Pelt, W. E. (2005) A spatial model of potential jaguar habitat in Arizona. *Journal of Wildlife Management*, **69**, 1024–33.
- Haydon, D. T. (2008). Cross-disciplinary demands of multi-host pathogens. *Journal of Animal Ecology*, **77**, 1079–1081.
- Haydon, D. T., Randall, D. A., L., M., et al. (2006) Low-coverage vaccination strategies for the conservation of endangered species. *Nature*, **443**, 692–5.
- Haydon, D. T., Cleaveland, S., Taylor, L. H., and Laurenson, M. K. (2002) Identifying reservoirs of infection: a conceptual and practical challenge. *Emerging Infectious Diseases*, **8**, 1468–73.
- Hayward, G. D., Miquelle, D. G., Smirnov, E. N., and Nations, C. (2002) Monitoring Amur tiger populations: characteristics of track surveys in snow. *Wildlife Society Bulletin*, **30**, 1150–9.
- Hayward, M. W. (2006) Prey preferences of the spotted hyaena (*Crocuta crocuta*) and degree of dietary overlap with the lion (*Panthera leo*). *Journal of Zoology*, **270**, 606–14.
- Hayward, M. W. and Kerley, G. I. H. (2005) Prey preferences of the lion (*Panthera leo*). *Journal of Zoology*, **267**, 309–22.
- Hayward, M. W. and Somers, M. J. (eds.) (in press) *The Reintroduction of Top Order Predators*. Wiley-Blackwell Publishing, Oxford, UK.
- Hayward, M. W., O'Brien, J., and Kerley, G. I. H. (2007) Carrying capacity of large African predators: predictions and tests. *Biological Conservation*, **139**, 219–29.
- Hayward, M. W., Henschel, P., O'Brien, J., Hofmeyr, M., Balme, G., and Kerley, G. I. H. (2006a) Prey preferences of the leopard (*Panthera pardus*). *Journal of Zoology*, **270**, 298–313.
- Hayward, M. W., Hofmeyr, M., O'Brien, J. O., and Kerley, G. I. H. (2006b) Prey preferences of the cheetah (*Acinonyx jubatus*) (Felidae: Carnivora): morphological limitations or the need to capture rapidly consumable prey before kleptoparasites arrive? *Journal of Zoology*, **270**, 615–27.
- Hazzah, L. (2006) *Living among lions (Panthera leo): coexistence or killing? Community attitudes towards conservation initiatives and the motivations behind lion killing in Kenyan Maasailand*. MS dissertation, University of Wisconsin, Madison, WI.
- He, L., Garcia Perea, R., Li, M., and Wei, F. (2004) Distribution and conservation status of the endemic Chinese mountain cat *Felis bieti*. *Oryx*, **38**, 55–61.
- Hearn, A. J. and Bricknell, S. (2003) Bay cat sightings in Kalimantan. *Cat News*, **39**, 3.
- Hedges, R. E. M., Housley, R. A., Ramsey, C. B., and Vanklinken, G. J. (1994) Radiocarbon dates from the Oxford AMS system: Archaeometry datelist 18. *Archaeometry*, **36**, 337–74.
- Heeney, J. L., Evermann, J. F., McKeirnan, A. J., et al. (1990) Prevalence and implications of feline coronavirus infections of captive and free-ranging cheetahs (*Acinonyx jubatus*). *Journal of Virology*, **64**, 1964–72.
- Heesy, C. P. (2004) On the relationship between orbit orientation and binocular visual field overlap in mammals. *Anatomical Record Part A—Discoveries in Molecular Cellular and Evolutionary Biology*, **281A**, 1104–10.
- Heffner, R. H. and Heffner, H. E. (1985) Hearing range of the domestic cat. *Hearing Research*, **19**, 85–8.
- Heilbrun, R. D., Silvy, N. J., Peterson, M. J., and Tewes, M. E. (2006) Estimating bobcat abundance using automatically triggered cameras. *Wildlife Society Bulletin*, **34**, 69–73.
- Heindrichs, H. (1975) The status of the tiger *Panthera tigris* (Linne, 1758) in the Sundarbans mangrove forest (Bay of Bengal). *Saugetierkundliche Mitteilungen*, **23**, 161–99.
- Heinsohn, R. (1997) Group territoriality in two populations of African lions. *Animal Behaviour*, **53**, 1143–7.
- Heizmann, E. P. J. (1973) Die Carnivoren des Steinheimer Beckens. B. Ursidae, Felidae, Viverridae sowie Ergänzungen und Nachträge zu den Mustelidae. *Palaeontographica*, **8**, 1–95.
- Hellborg, L., Walker, C. W., Knispel Rueness, E., et al. (2002) Differentiation and levels of genetic variation in northern European lynx (*Lynx lynx*) populations revealed by microsatellites and mitochondrial DNA analysis. *Conservation Genetics*, **3**, 97–111.
- Hellgren, E. C., Onorato, D. P., and Skiles, J. R. (2005) Dynamics of a black bear population within a desert metapopulation. *Biological Conservation*, **122**, 131–40.
- Helman, R. G., Russell, W. C., Jenny, A., Miller, J., and Payeur, J. (1998) Diagnosis of tuberculosis in two snow leopards using polymerase chain reaction. *Journal of Veterinary Diagnostic Investigation*, **10**, 89–92.
- Hemker, T. P., Lindzey, F. G., and Ackerman, B. B. (1984) Population characteristics and movement patterns of cougars in southern Utah. *Journal of Wildlife Management*, **48**, 1275–84.
- Hemley, G. and Mills, J. A. (1999) The beginning of the end of tigers in trade? In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in*

- Human Dominated Landscapes*, pp. 216–29. Cambridge University Press, Cambridge, UK.
- Hemmer, H. (1978) Nachweis der Sandkatze (*Felis margarita harrisoni* Hemmer, Grubb and Groves, 1976) in Jordanien. *Zeitschrift für Säugetierkunde*, **43**, 62–4.
- Hemmer, H. (1976) Fossil history of living Felidae. In R. Eaton (ed.), *The World's Cats*, pp. 1–14. University of Washington, Seattle, WA.
- Hemmer, H. (1974) Untersuchungen zur Stammesgeschichte der Pantherkatzen (Pantherinae). Teil III. Zur Artgeschichte des Löwen *Panthera (Panthera) leo* (Linnaeus 1758). *Veröffentlichungen der Zoologisches Staatssammlung München*, **17**, 167–280.
- Hemmer, H. (1972) *Uncia uncia*. *Mammalian Species*, **20**, 1–5.
- Hemmer, H., Kahlke, R. D., and Vekua, A. K. (2001) The jaguar—*Panthera onca gambaszoegensis* (Kretzoi, 1938) (Carnivora: Felidae)—in the late lower Pleistocene of Akhalkalaki (South Georgia; Transcaucasia) and its evolutionary and ecological significance. *Geobios*, **34**, 475–86.
- Hemmer, H., Grubb, P., and Groves, C. P. (1976) Notes on the sand cat, *Felis margarita* Loche, 1858. *Zeitschrift für Säugetierkunde*, **41**, 286–303.
- Hemmer, H., Kahlke, R. D., and Vekua, A. K. (2004) The Old World puma —*Puma pardoides* (Owen, 1846) (Carnivora: Felidae)—in the Lower Villafranchian (Upper Pliocene) of Kvabebi (East Georgia, Transcaucasia) and its evolutionary and biogeographical significance. *Neues Jahrbuch für Geologie und Paläontologie—Abhandlungen*, **233**, 197–231.
- Hemson, G. (2003) *The ecology and conservation of lions: human-wildlife conflict in semi-arid Botswana*. DPhil dissertation, University of Oxford, Oxford, UK.
- Hemson, G. (2002) The potential for using GPS collars on wild African lions (*Panthera leo*); some lessons from experience. In A. J. Loveridge, T. Lynam, and D. W. Macdonald (eds.), *Lion Conservation Research. Workshop 2: Modelling Conflict*, pp. 59–65. Wildlife Conservation Research Unit, Oxford, UK.
- Hemson, G., MacLennan, S., Mills, M. G. L., Johnson, P., and Macdonald, D. W. (2009) Community, lions, livestock and money: A spatial and social analysis of attitudes to wildlife and the conservation value of tourism in a human—carnivore conflict in Botswana. *Biological Conservation*, **142**, 2718–25.
- Hemson, G., Johnson, P., South, A., Kenward, R., Ripley, R. M., and Macdonald, D. W. (2005) Are kernels the mustard? Data from global positioning system (GPS) collars suggests problems for kernel homerange analyses with least-squares cross-validation. *Journal of Animal Ecology*, **74**, 455–63.
- Hendey, Q. B. (1974) The late Cenozoic Carnivora of the south-western Cape Province. *Annals of the South African Museum*, **63**, 1–369.
- Hennig, W. (1966) *Phylogenetic Systematics*. University of Illinois Press, Urbana, IL.
- Henschel, P. (2007) The status of the leopard (*Panthera pardus*) in the Congo basin. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 82. Wildlife Conservation Research Unit, Oxford, UK.
- Henschel, P. (2001) *Untersuchung der Ernährungsweise und der Populationsdichte des Leoparden (Panthera pardus) im Lopé Reservat, Gabun, Zentralafrika*. MSc dissertation, University of Göttingen, Göttingen, Germany.
- Henschel, P. and Ray, J. (2003) *Leopards in African Rainforests: Survey and Monitoring Techniques*. Wildlife Conservation Society, Global Carnivore Program, New York.
- Henschel, P., Abernathy, K. A., and White, L. J. T. (2005) Leopard food habits in the Lopé National Park, Gabon, Central Africa. *African Journal of Ecology*, **43**, 21–8.
- Heptner, V. G. and Sludskii, A. A. (1992) *Mammals of the Soviet Union, Carnivora (hyaenas and cats)*, Vol. II, Part 2. E. J. Brill, Leiden, the Netherlands.
- Heptner, V. G. and Sludskii, A. A. (1972) Mammals of the Soviet Union. In V. G. Heptner and N. P. Naumov (eds.), *Mammals of the Soviet Union, Carnivora (Hyaenas and Cats)*, Vol. II, Part 2. Smithsonian Institution, Washington DC and the National Science Foundation, Moscow, Russia.
- Herbst, L. H., Packer, C., and Seal, U. S. (1985) Immobilization of free-ranging African lions (*Panthera leo*) with a combination of xylazine hydrochloride and ketamine hydrochloride. *Journal of Wildlife Diseases*, **21**, 401–4.
- Herbst, M. and Mills, M. G. L. (in press) The feeding habits of the African wildcat (*Felis silvestris lybica*), a facultative trophic specialist, in the Southern Kalahari (Kgalagadi Transfrontier Park, South Africa/Botswana). *Journal of Zoology*.
- Herbst, M. and Mills, M. G. L. (in prep.) Techniques used in the study of African wildcat, *Felis silvestris lybica*, in the Kgalagadi Transfrontier park (South Africa/Botswana).
- Herda-Rapp, A. and Goedeke, T. L. (2005) *Mad about Wildlife: Looking at Social Conflict over Wildlife*. Brill Academic Press, Leiden, the Netherlands.
- Herfindal, I., Linnell, J. D. C., Moa, P. F., Odden, J., Austmo, L. B., and Andersen, R. (2005a) Does recreational hunting of lynx reduce depredation losses of domestic sheep? *Journal of Wildlife Management*, **69**, 1034–42.
- Herfindal, I., Linnell, J. D. C., Odden, J., Nilsen, E. B., and Andersen, R. (2005b) Prey density, environmental productivity and home range size in the Eurasian lynx (*Lynx lynx*). *Journal of Zoology*, **265**, 63–71.
- Hermann, E., Van Vuuren, J. H., and Funston, P. J. (2002) Population dynamics of lions in the Kgalagadi Transfrontier Park: a preliminary model to investigate the effect of human-caused mortality. In A. J. Loveridge, T. Lynam and D. W. Macdonald (eds.), *Lion Conservation Research. Workshop 2: Modelling Conflict*, p. 98. Wildlife Conservation Research Unit, Oxford, UK.
- Herrington, S. J. (1987) Subspecies and the conservation of *Panthera tigris*: preserving genetic heterogeneity. In R. L. Tilson and U. S. Seal (eds.), *Tigers of the World*, pp. 51–61. Noyes Publications, Park Ridge, NJ.

- Herrington, S. J. (1986) *Phylogenetic relationships of the wild cats of the world*. PhD dissertation, University of Kansas, Lawrence, KS.
- Hetherington, D. (2006) The lynx in Britain's past, present and future. *ECOS*, **27**, 66–73.
- Hetherington, D. A., Miller, D. R., MacLeod, C. D., and Gorman, M. L. (2008) A potential habitat network for the Eurasian lynx *Lynx lynx* in Scotland. *Mammal Review*, **38**, 285–303.
- Hetherington, D. A., Lord, T. C., and Jacobi, R. M. (2005) New evidence for the occurrence of Eurasian lynx (*Lynx lynx*) in medieval Britain. *Journal of Quaternary Science*, **21**, 3–8.
- Hibbard, C. W. (1934) Two new genera of Felidae from the Middle Pliocene of Kansas. *Transactions of the Kansas Academy of Sciences*, **37**, 239–55.
- Hickman, G. C. (1979) The mammalian tail—review of functions. *Mammal Review*, **9**, 143–57.
- Hildebrand, M. (1961) Further studies on locomotion of the cheetah. *Journal of Mammalogy*, **42**, 84–91.
- Hildebrand, M. (1959) Motions of the running cheetah and horse. *Journal of Mammalogy*, **40**, 481–95.
- Hildebrand, M. and Hurley, J. P. (1985) Energy of the oscillating legs of a fast-moving cheetah, pronghorn, jackrabbit, and elephant. *Journal of Morphology*, **184**, 23–31.
- Hildebrandt, T. B., Brown, J. L., Hermes, R., and Goertiz, F. (2003) Ultrasound for the analysis of reproductive function in wildlife. In W. V. Holt, A. R. Pickard, J. C. Rodger and D. E. Wildt (eds.), *Reproductive Science and Integrated Conservation Science*, pp. 166–82. Zoological Society of London, London, UK.
- Hill, K. and Hurtado, A. M. (1996) *Ache Life History: The Ecology and Demography of a Foraging People*. Aldine De Gruyter, New York.
- Hines, J. E. and Link, W. A. (1994) SCATMAN. <[www.mbr-wrc.usgs.gov/software.html](http://www.mbr-wrc.usgs.gov/software.html)>. USGS-Patuxant Wildlife Research Centre, Patuxant, MD.
- Hitchens, C. (2007) *God Is Not Great: The Case Against Religion*. Atlantic, London, UK.
- Hodges, K. E. (2000) The ecology of snowshoe hares in northern boreal forests. In L. F. Ruggiero, K. B. Aubry, S. W. Buskirk, et al. (eds.), *Ecology and Conservation of Lynx in the United States*, pp. 117–61. University Press of Colorado, Boulder, CO.
- Hodgeson, S. and Bewick, T. (1790) *A General History of Quadrupeds*. Edward Walker, Newcastle Upon Tyne, UK.
- Hofer, H. and East, M. L. (1993) The commuting system of Serengeti spotted hyaenas: how a predator copes with migratory prey. II. Intrusion pressure and commuters' space use. *Animal Behaviour*, **46**, 559–74.
- Hofmann-Lehmann, R., Fehr, D., Grob, M., et al. (1996) Prevalence of antibodies to feline parvovirus, calicivirus, herpesvirus, coronavirus, and immunodeficiency virus and of feline leukemia virus antigen and the interrelationship of these viral infections in free-ranging lions in east Africa. *Clinical and Diagnostic Laboratory Immunology*, **3**, 554–62.
- Holden, J. (2001) Small cats in Kerinci Seblat National Park, Sumatra, Indonesia. *Cat News*, **35**, 11–14.
- Holling, C. S. (1959) The components of predation as revealed by a study of small mammal predation of the European pine sawfly. *Canadian Entomologist*, **91**, 293–320.
- Holt, G. and Berg, C. (1990) Sarcoptic mange in red fox and other wild mammals in Norway. *Norsk Veterinartidsskrift*, **102**, 427–32.
- Holt, W. V., Abaigar, T., Watson, P. F., and Wildt, D. E. (2003) Genetic resource banks for species conservation. In W. V. Holt, A. R. Pickard, J. C. Rodger, and D. E. Wildt (eds.), *Reproductive Science and Integrated Conservation Science*, pp. 267–80. Zoological Society of London, London, UK.
- Homyack, J. A., Vashon, J. H., Libby, C., et al. (2008) Canada lynx-bobcat (*Lynx canadensis* x *L. rufus*) hybrids at the southern periphery of lynx range in Maine, Minnesota and New Brunswick. *American Midland Naturalist*, **159**, 504–8.
- Hooge, P. N., Eichenlaub, W., and Soloman, E. (1999) *The Animal Movement Program*. Alaska Biological Science Centre, U.S. Geological Survey, Anchorage, AK.
- Hoogesteijn, R. (2003) *Manual on the Problem of Depredation Caused by Jaguars and Pumas on Cattle Ranches*. Wildlife Conservation Society, New York.
- Hoogesteijn, R. and Hoogesteijn, A. (2008) Conflicts between cattle ranching and large predators in Venezuela: could use of water buffalo facilitate felid conservation? *Oryx*, **42**, 132–8.
- Hoogesteijn, R. and Mondolfi, E. (1996) Body mass and skull measurements in four jaguar populations, and observations on their preybase. *Bulletin of the Florida Museum of Natural History*, **39**, 195–219.
- Hoogesteijn, R. and Mondolfi, E. (1992) *The Jaguar*. Armitano Editores C.A., Caracas, Venezuela.
- Hoogesteijn, R., Hoogesteijn, A., and Mondolfi, E. (1993) Jaguar predation and conservation: cattle mortality caused by felines on three ranches in the Venezuelan Llanos. In N. Dunstone and M. L. Gorman (eds.), *Mammals as Predators*, pp. 391–406. Symposia of the Zoological Society of London, No. 65. Zoological Society, London, UK.
- Hopcraft, J. G. C. (2002) *The role of habitat and prey density on foraging by Serengeti lions*. MS dissertation, University of British Columbia, Vancouver, BC.
- Hopcraft, J. G. C., Sinclair, A. R. E., and Packer, C. (2005) Planning for success: Serengeti lions seek prey accessibility rather than abundance. *Journal of Animal Ecology*, **74**, 559–66.
- Hopkins, R. A. (1989) *Ecology of the puma in the Diablo Range, California*. PhD dissertation, University of California, Berkeley, CA.
- Hopwood, A. T. (1947) Contributions to the study of some African mammals III. Adaptations in the bones of the forelimb of the lion, leopard and cheetah. *Journal of the Linnean Society Zoology*, **41**, 259–71.



- Hornocker, H. G., Murphy, K., Felzein, G. S., and Relyea, S. E. (1992) *Ecology of the Mountain Lion in Yellowstone*. Hornocker Wildlife Research Institute, Moscow, ID.
- Hornocker, M. G. (2008) Conserving the cats, cougar management as a model: a review. In T. E. Fulbright and D. G. Hewitt (eds.), *Wildlife Science: Linking Ecological Theory and Management*, pp. 111–22. CRC Press, Boca Raton, FL.
- Hornocker, M. G. (1970) An analysis of mountain lion predation upon mule deer and elk in the Idaho Primitive Area. *Wildlife Monographs*, **21**, 5–39.
- Hötte, M. (2007) Amur leopard zoo breeding programmes. *Amur Leopard Conservation Update*, **January 2007**, 6–7.
- Howard, J. G. (1999) Assisted reproductive techniques in non-domestic carnivores. In M. E. Fowler and R. E. Miller (eds.), *Zoo and Wild Animal Medicine: Current Therapy IV*, pp. 449–57. W. B. Saunders Co., Philadelphia, PA.
- Howard, J. G. (1993) Semen collection and analysis in carnivores. In M. E. Fowler (ed.), *Zoo and Wild Animal Medicine: Current Therapy III*, pp. 390–9. W.B. Saunders Co., Philadelphia, PA.
- Howard, J. G. and Allen, M. E. (2008) Nutritional factors affecting semen quality in felids. In M. E. Fowler and R. E. Miller (eds.), *Zoo and Wild Animal Medicine: Current Therapy V*, pp. 272–83. W. B. Saunders Co., Philadelphia, PA.
- Howard, J. G., and Wildt, D. E. (2009) Approaches and efficacy of artificial insemination in felids and mustelids. *Theriogenology*, **71**, 130–48.
- Howard, J. G., Brown, J. L., Bush, M., and Wildt, D. E. (1990) Teratospermic and normospermic domestic cat ejaculate traits, pituitary-gonadal hormones, and improvement of spermatozoal motility and morphology after swim-up processing. *Journal of Andrology*, **11**, 204–15.
- Huang, G. T., Rosowski, J. J., Ravicz, M. E., and Peake, W. T. (2002) Mammalian ear specializations in arid habitats: structural and functional evidence from sand cat (*Felis margarita*). *Journal of Comparative Physiology A*, **188**, 663–81.
- Huang, G. T., Rosowski, J. J., and Peake, W. T. (2000) Relating middle-ear acoustic performance to body size in the cat family: measurements and models. *Journal of Comparative Physiology A*, **186**, 447–65.
- Hubbard, A. L., McOrist, S., Jones, T. W., Boid, R., Scott, R., and Easterbee, N. (1992) Is survival of European wildcats *Felis silvestris* in Britain threatened by interbreeding with domestic cats? *Biological Conservation*, **61**, 203–8.
- Hudson, P. J., Rizzoli, A., Grenfell, B. T., Heesterbeek, H. and Dobson, A. P. (eds.) (2002) *The Ecology of Wildlife Diseases*. Oxford University Press, Oxford, UK.
- Huggler, J. (2006) Tiger, tiger, burning bright. *The Independent*, 15 Feb. London, UK.
- Hughes, A. (1985) New perspectives in retinal organisation. *Progress in Retinal Research*, **4**, 243–314.
- Hughes, A. (1977) The topography of vision in mammals of contrasting lifestyle: comparative optics and retinal organisation. In F. Crescitelli (ed.), *Handbook of Sensory Physiology, Vol. 7, Part 5*, pp. 613–756. Springer, Berlin, Germany.
- Hughes, A. (1976) A supplement to the cat schematic eye. *Vision Research*, **16**, 149–54.
- Hulbert, I. A. R. (2001) GPS and its use in animal telemetry: the next five years. In A. M. Sibbald and I. J. Gordon (eds.), *Tracking Animals with GPS*, pp. 51–60. Macaulay Land Use Research Institute, Aberdeen, Scotland.
- Hulme, D. and Murphree, M. (2001) Community conservation in Africa: an introduction. In D. Hulme and M. Murphree (eds.), *African Wildlife and Livelihoods. The Promise and Performance of Community Conservation*, pp. 1–8. James Currey, Oxford, UK.
- Hunt, Jr, R. M. (2001) Basicranial anatomy of the living linsangs *Prionodon* and *Poiana* (Mammalia, carnivora, Viverridae), with comments on the early evolution of aeluroid carnivorans. *American Museum Novitates*, **3330**, 1–24.
- Hunt, Jr, R. M. (1998) Evolution of the aeluroid Carnivora: diversity of the earliest aeluroids from Eurasia (Quercy, Hsanda-Gol) and the origin of felids. *American Museum Novitates*, **3252**, 1–65.
- Hunt, Jr, R. M. (1989) Evolution of the aeluroid Carnivora: significance of the ventral promontorial process of the petrosal, and the origin of basicranial patterns in the living families. *American Museum Novitates*, **2930**, 1–32.
- Hunt, Jr, R. M. (1987) Evolution of the aeluroid Carnivora: significance of auditory structure in the Nimravid cat *Dinictis*. *American Museum Novitates*, **2886**, 1–74.
- Hunter, D. L. (1996) Tuberculositis in free-ranging, semi-free-ranging and captive cervids. *Revue Scientifique et Technique de l'Office International des Epizooties*, **15**, 171–81.
- Hunter, L. T. B. and Bowland, J. (in press) Serval *Leptailurus serval*. In J. S. Kingdon and M. Hoffmann (eds.), *The Mammals of Africa 5: Carnivora, Pholidota, Perissodactyla*. Academic Press, Amsterdam, the Netherlands.
- Hunter, L. T. B. and Balme, G. A. (2004) The leopard. The worlds most persecuted big cat. In *Endangered Wildlife. Businesses, Ecotourism and the Environment*, pp. 88–94. Endangered Wildlife Trust, Johannesburg, South Africa.
- Hunter, L. T. B., Henschel, P. P., and Ray, J. C. (in press) *Panthera pardus*. In J. S. Kingdon and M. Hoffmann (eds.), *The Mammals of Africa: Carnivores, Pangolins, Rhinos and Equids*. Academic Press, Amsterdam, the Netherlands.
- Hunter, J. S., Durant, S. M., and Caro, T. M. (2007a) To flee or not to flee: predator avoidance by cheetahs at kills. *Behavioral Ecology and Sociobiology*, **61**, 1033–42.
- Hunter L. T. B., Jowkar, H., Ziaie, H., et al. (2007b) Conserving the Asiatic cheetah in Iran: launching the first radio-telemetry study. *Cat News*, **46**: 8–11.
- Hunter, L. T. B., Pretorius, K., Carlisle, L. C., et al. (2007c) Restoring lions *Panthera leo* to northern KwaZulu-Natal, South Africa: short-term biological and technical success but equivocal long-term conservation. *Oryx*, **41**, 196–204.

- Hunter, L. T. B., Balme, G. A., Walker, C., Pretorius, K., and Rosenberg, K. (2003) The landscape ecology of leopards (*Panthera pardus*) in northern KwaZulu-Natal, South Africa: a preliminary project report. *Ecological Journal*, **5**, 24–30.
- Hunziker, M., Hoffmann, C. W., and Wild-Eck, S. (2001) Die Akzeptanz von Wolf, Luchs und 'Stadtfuchs'—Ergebnisse einer gesamtschweizerisch-representativen Umfrage. *Forestry Snow and Landscape Research*, **76**, 301–26.
- Hussain, S. (2003a) Snow leopard and local livelihoods: managing emerging conflicts through an insurance scheme. *Carnivore Damage Prevention News*, **6**, 9–11.
- Hussain, S. (2003b) The status of the snow leopard in Pakistan and its conflict with local farmers. *Oryx*, **37**, 26–33.
- Hussain, S. (2000) Protecting the snow leopard and enhancing farmers' livelihoods: a pilot insurance scheme in Balistan. *Mountain Research and Development*, **20**, 226–31.
- Hutajulu, B., Sunarto, Klenzendorf, S., Supriatna, J., Budiman, A., and Yahya, A. (2007) Study on the ecological characteristics of clouded leopard in Riau, Sumatra. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 122, Wildlife Conservation Research Unit, Oxford, UK.
- IUCN (2003) International Commission on Zoological Nomenclature, Opinion 2027 (Case 3010). Usage of 17 specific names based on wild species which are predated by or contemporary with those based on domestic animals (Lepidoptera, Osteichthyes, Mammalia): conserved. *Bulletin of Zoological Nomenclature*, **60**, 81–4.
- Ikeda, N. (2004) Economic impacts of livestock depredation by snow leopard *Uncia uncia* in the Kanchenjunga Conservation Area, Nepal Himalaya. *Environmental Conservation*, **31**, 322–30.
- Ikeda, Y., Miyazawa, T., Nakamura, K., et al. (1999) Serosurvey for selected virus infections of wild carnivores in Taiwan and Vietnam. *Journal of Wildlife Diseases*, **35**, 578–81.
- Ilany, G. (1986) Preliminary observations on the ecology of the leopard (*Panthera pardus jarvisi*) in the Judean Desert. In S. D. Miller and D. D. Everett (eds.), *Cats of the World: Biology, Conservation and Management*, p. 199. National Wildlife Federation, Washington DC.
- Inglehart, R. (1990) *Culture Shift in Advanced Industrial Societies*. Princeton University Press, Princeton, NJ.
- Inskip, C. and Zimmermann, A. (2009) Human–felid conflict: a review of the patterns and priorities worldwide. *Oryx*, **43**, 1–17.
- Iriarte, A. W. (1998) *Andean Mountain Cat in Chile: Status and Geographical Distribution*. Cat Action Treasury, Santiago, Chile.
- Iriarte, J. A. and Jaksic, F. M. (1986) The fur trade in Chile: an overview of seventy-five years of export data (1910–1984). *Biological Conservation*, **38**, 243–53.
- Iriarte, A. W., Johnson, W. E., and Franklin, W. L. (1991) Feeding ecology of the Patagonian puma in southernmost Chile [Ecología trófica del puma de la Patagonia en el extremo sur de Chile]. *Revista Chilena de Historia Natural*, **64**, 145–56.
- Iriarte, J. A., Franklin, W. L., Johnson, W. E., and Redford, K. H. (1990) Biogeographic variation of food habits and body size of the America puma. *Oecologia*, **85**, 185–90.
- IUCN (2008) *2008 IUCN Red List of Threatened Species*. IUCN Species Survival Commission, Gland, Switzerland.
- IUCN (2007) *2007 IUCN Red List of Threatened Species*. IUCN Species Survival Commission, Gland, Switzerland.
- IUCN (2006a) *Conservation Strategy for the Lion in West and Central Africa*. IUCN/SSC Cat Specialist Group. <www.felidae.org.>
- IUCN (2006b) *Conservation Strategy for the Lion Panthera leo in Eastern and Southern Africa*. IUCN/SSC Cat Specialist Group, Gland, Switzerland.
- IUCN (2006c) *2006 IUCN Red List of Threatened Species*. IUCN Species Survival Commission, Gland, Switzerland.
- IUCN (2002) *SSC Conservation Breeding Specialist Group Policy Statement on Captive Breeding*. IUCN, Gland, Switzerland.
- IUCN (1998) *Guidelines for Re-Introductions*. IUCN SSC Re-introduction Specialist Group, Gland, Switzerland.
- IUCN (1995) *Species Survival Commission/Reintroduction Specialist Group Guidelines for Reintroductions*. IUCN, Gland, Switzerland.
- IUCN/SSC (2007a) *Regional Conservation Strategy for the Conservation of Cheetah and Wild Dogs in Eastern Africa*. IUCN Species Survival Commission, Gland, Switzerland.
- IUCN/SSC (2007b) *Regional Conservation Strategy for the Cheetah and African Wild Dog in Southern Africa*. IUCN Species Survival Commission, Gland, Switzerland.
- IUCN/SSC (2007c) Status and conservation needs of cheetahs in Southern Africa. *Cat News*, Special Issue No. 3. IUCN Species Survival Commission, Gland, Switzerland.
- IUCN/SSC (1986) Symposium on jaguar and wildlife conservation in neotropical moist forest. *Cat News*, **5**, 11–17.
- Ivlev, V. S. (1961) *Experimental Ecology of the Feeding of Fishes*. Yale University Press, New Haven, CT.
- Jackson, P. (1989) The status of the leopard in sub-Saharan Africa: a review by leopard specialists. Unpublished report IUCN Cat Specialist Group, Gland, Switzerland.
- Jackson, R. (1996) *Home range movements and habitat use of snow leopard (Uncia uncia) in Nepal*. PhD dissertation, University of London, London, UK.
- Jackson, R. and Ahlborn, G. (1991) The role of protected areas in maintaining viable populations of snow leopards. *International Pedigree Book of Snow Leopards*, **6**, 51–69.
- Jackson, R. and Ahlborn, G. (1989) Snow leopards (*Panthera uncia*) in Nepal—home range and movements. *National Geographic Research and Exploration*, **5**, 161–75.

- Jackson, R. and Ahlborn, G. (1984) A preliminary habitat suitability model for the Snow leopard, *Panthera uncia*, in West Nepal. *International Pedigree Book of Snow Leopards*, **4**, 43–52.
- Jackson, R. and Fox, J. L. (1997) Snow leopard conservation: accomplishments and research priorities. In R. Jackson and A. Ahmad (eds.), *Proceedings of the 8th International Snow Leopard Symposium*, pp. 128–45. WWF Pakistan and International Snow Leopard Trust, Seattle, WA.
- Jackson, R. and Hunter, D. O. (1996) *Snow Leopard Survey and Conservation Handbook*. International Snow Leopard Trust, Seattle, WA and US Geological Survey, Fort Collins, CO.
- Jackson, R. and Wangchuk, R. (2004) A community-based approach to mitigating livestock depredation by snow leopards. *Human Dimensions of Wildlife*, **9**, 307–15.
- Jackson, R. and Wangchuk, R. (2001) Linking snow leopard conservation and people-wildlife conflict resolution: grassroots measures to protect the endangered snow leopard from herder retribution. *Endangered Species Update*, **18**, 138–41.
- Jackson, R., Roe, J. D., Wangchuk, R., and Hunter, D. O. (2006) Estimating snow leopard population abundance using photography and capture-recapture techniques. *Wildlife Society Bulletin*, **34**, 772–81.
- Jackson, R., Wangchuk, R., and Hillard, D. (2002) *Grass Roots Measures to Protect the Endangered Snow Leopard from Herder Retribution: Lessons Learned from Predator-Proofing Corrals in Ladakh*. Snow Leopard Conservancy, Sonoma, CA.
- Jackson, R., Ahlborn, G., Gurung, M., and Ale, S. (1996) Reducing livestock depredation losses in the Nepalese Himalaya. In R. M. Timm and A. C. Crabb (eds.) *Proceedings of the 17th Vertebrate Pest Conference*, pp. 241–7. University of California, Davis, CA.
- Jackson, R., Ahlborn, G. G., and Shah, K. B. (1990) Capture and immobilization of wild snow leopards. In L. Blomqvist (ed.), *International Pedigree Book of Snow Leopards*, pp. 93–102. Helsinki Zoo, Helsinki, Finland.
- Jacob, A. A. (2002) *Ecologia e conservação da jaguatirica (Leopardus pardalis) no Parque Estadual Morro do Diabo, Pontal do Paranapanema, SP*. MS dissertation, Universidade de Brasília, Brasília, Brazil.
- Jacobs, G. H. (1993) The distribution and nature of colour vision among the mammals. *Biological Reviews*, **68**, 413–71.
- Jacobs, J. (1974) Quantitative measurement of food selection: a modification of the forage ratio and Ivlev's electivity index. *Oecologia*, **14**, 413–17.
- Jacquier, M., Aarhaug, P., Arnemo, J. M., Bauer, H., and Enriquez, B. (2006) Reversible immobilization of free-ranging African lions (*Panthera leo*) with medetomidine-tiletamine-zolazepam and atipamezole. *Journal of Wildlife Diseases*, **42**, 432–6.
- Jager, H. G., Booker, H. H., and Hubschle, O. J. (1990) Anthrax in cheetahs (*Acinonyx jubatus*) in Namibia. *Journal of Wildlife Diseases*, **26**, 423–4.
- Jakob, W. and Wesemeier, H. H. (1996) A fatal infection in a bengal tiger resembling cytauxzoonosis in domestic cats. *Journal of Comparative Pathology*, **114**, 439–44.
- Janczewski, D. N., Modi, W. S., Stephens, J. C., and O'Brien, S. J. (1995) Molecular evolution of mitochondrial 12S RNA and Cytochrome b sequences in the Pantherine lineage of Felidae. *Molecular Biology and Evolution*, **12**, 690–707.
- Janečka, J. E., Jackson, R., Yuquang, Z., et al. (2008) Population monitoring of snow leopards using noninvasive collection of scat samples: a pilot study. *Animal Conservation*, **11**, 401–11.
- Janečka, J. E., Blankenship, T. L., Hirth, D. H., Kilpatrick, C. W., Tewes, M. E., and Grassman, Jr, L. I. (2007) Evidence for male-biased dispersal in bobcats *Lynx rufus* using relatedness analysis. *Wildlife Biology*, **13**, 38–47.
- Janečka, J. E., Blankenship, T. L., Hirth, D. H., Tewes, M. E., Kilpatrick, C. W., and Grassman, Jr, L. I. (2006) Kinship and social structure of bobcats (*Lynx rufus*) inferred from microsatellite and radio-telemetry data. *Journal of Zoology*, **269**, 494–501.
- Janeway, C. A. and Travers, P. (eds.) (1997) *Immunobiology: The Immune System in Health and Disease*. Garland Science Publishing, London, UK.
- Jansen, T., Forster, P., Levine, M. A., et al. (2002) Mitochondrial DNA and the origins of the domestic horse. *Proceedings of the National Academy of Sciences of the United States of America*, **99**, 10905–10.
- Jarman, P. J. and Jarman, M. V. (1979) The dynamics of ungulate social organization. In A. R. E. Sinclair and M. Norton-Griffiths (eds.), *Serengeti, Dynamics of an Ecosystem*, pp. 185–220. University of Chicago Press, Chicago, IL.
- Jayaprakash, D., Patil, S. B., Kumar, M. N., Majumdar, K. C., and Shivaji, S. (2001) Semen characteristics of the captive Indian leopard, *Panthera pardus*. *Journal of Andrology*, **22**, 25–33.
- Jedrzejewski, W., Schmidt, K., Okarma, H., and Kowalczyk, R. (2002) Movement pattern and home range use by the Eurasian lynx in Białowieża Primeval Forest (Poland). *Annales Zoologici Fennici*, **39**, 29–41.
- Jefferies, D. J. (1991) Some observations on Scottish wildcats *Felis silvestris* based on the results of autopsies. *Glasgow Naturalist*, **22**, 11–20.
- Jenkins, D. (1962) The present status of the wild cat (*Felis silvestris*) in Scotland. *Scottish Naturalist*, **70**, 126–38.
- Jennings, S. and Blanchard, J. L. (2004) Fish abundance with no fishing: predictions based on macro-ecological theory. *Journal of Animal Ecology*, **73**, 632–42.
- Jerison, H. J. (1973) *Evolution of the Brain and Intelligence*. Academic Press, New York.
- Jerolmack, C. (2008) How pigeons became rats: the cultural-spatial logic of problem animals. *Social Problems*, **55**, 72–94.

- Jessup, D. A., Pettan, K. C., Lowenstine, L. J., and Pedersen, N. C. (1993) Feline leukemia virus infection and renal spirochetosis in a free ranging cougar (*Felis concolor*). *Journal of Zoo and Wildlife Medicine*, **24**, 73–9.
- Jetz, W., Carbone, C., Fulford, J., and Brown, J. H. (2004) The scaling of animal space use. *Science*, **306**, 266–7.
- Jeu, M. and Xiang, P. (1982) Discovery of *Sarcoptes scabiei* infesting lynx in Chongqing, China. *Zoological Research*, **3**, 310.
- Jewgenov, K., Braun, B. C., Goritz, F., et al. (2009) Pregnancy diagnosis in Iberian lynx (*Lynx pardinus*) based on urinary and blood plasma hormones. In A. Vargas, C. Breitenmoser and U. Breitenmoser (eds.). *Iberian Lynx Ex Situ Conservation: An Interdisciplinary Approach*, pp. 376–89. Fundacion Biodiversidad, Madrid.
- Jewgenov, K., Dehnhard, M., Frank, A., Naidenko, S., Vargas, A., and Göritz, F. (2006a) A comparative analysis of the reproduction of the Eurasian and the Iberian lynx in captivity. In *Iberian Lynx Ex-Situ Conservation Seminar Series: Book of Proceedings*, pp. 116–17. Fundación Biodiversidad, Sevilla and Doñana, Spain.
- Jewgenov, K., Naidenko, S. V., Goeritz, F., Vargas, A., and Dehnhard, M. (2006b) Monitoring testicular activity of male Eurasian (*Lynx lynx*) and Iberian (*Lynx pardinus*) lynx by fecal testosterone metabolite measurement. *General and Comparative Endocrinology*, **149**, 151–8.
- Jhala, Y. V., Gopal, R., and Qureshi, Q. (2008) *Status of the Tigers, Co-Predators, and Prey in India*. National Tiger Conservation Authority, Government of India, New Delhi, India and Wildlife Institute of India, Dehradun, India.
- Jiang, J. (2005) Tiger and leopard research in Jilin Province. In *Recovery of the Wild Amur Tiger Population in China: Progress and Prospect. Proceedings of the 2000 International Workshop on Wild Amur Tiger Population Recovery Action Plan, Harbin, China and the 2002 National Workshop on Progress of Wild Amur Tiger Population Recovery Action, Hunchun, China*. China Forestry Publishing House, Beijing, China.
- Jiménez, M. A., Sanchez, B., Perez Alenza, M. D., et al. (2008) Membranous glomerulonephritis in the Iberian lynx (*Lynx pardinus*). *Veterinary Immunology and Immunopathology*, **121**, 34–43.
- JNCC (2008) Special Areas of Conservation. <[www.jncc.gov.uk/protectedsites/sacselection/SAC\\_List\\_features.asp?Unitary = &Feature = S1355](http://www.jncc.gov.uk/protectedsites/sacselection/SAC_List_features.asp?Unitary=&Feature=S1355)>. Accessed online 24 Nov 2008.
- Jobin, A., Molinari, P., and Breitenmoser, U. (2000) Prey spectrum, prey preference and consumption rates of Eurasian lynx in the Swiss Jura Mountains. *Acta Theriologica*, **45**, 243–52.
- Johnsingh, A. J. T. and Madhusudan, M. D. (2009) Tiger reintroduction in India: conservation tool or costly dream. In M. W. Hayward and M. J. Somers (eds.), *The Reintroduction of Top-Order Predators*, pp. 146–63. Wiley-Blackwell Publishing, Oxford, UK.
- Johnsingh, A. J. T. and Negi, A. S. (2003) Status of tiger and leopard in Rajaji-Corbett Conservation Unit, northern India. *Biological Conservation*, **111**, 385–93.
- Johnsingh, A. J. T., Qureshi, Q., Goyal, S. P., et al. (2004) *Conservation Status of Tiger and Associated Species in the Terai Arc Landscape, India*. Wildlife Institute of India, Dehradun, India.
- Johnson, P. J., Kansky, R., Loveridge, A. J., Macdonald, D. W. (submitted). Size, rarity and charisma: valuing African wildlife trophies. *Conservation Letters*.
- Johnson, W. E. and Franklin, W. L. (1991) Feeding and spatial ecology of *Felis geoffroyi* in southern Patagonia. *Journal of Mammalogy*, **72**, 815–20.
- Johnson, W. E. and O'Brien, S. J. (1997) Phylogenetic reconstruction of the Felidae using 16S rRNA and NADH-5 mitochondrial genes. *Journal of Molecular Evolution*, **44** (Supplement), 98–116.
- Johnson, A., Vongkhamheng, C., Hedemark, M., and Saithongdam, T. (2006a) Effects of human-carnivore conflict on tiger (*Panthera tigris*) and prey populations in Lao PDR. *Animal Conservation*, **9**, 421–30.
- Johnson, W. E., Eizirik, E., Pecon-Slattery, J., et al. (2006b) The late Miocene radiation of modern Felidae: a genetic assessment. *Science*, **311**, 73–7.
- Johnson, W. E., Godoy, J. A., Palomares, F., et al. (2004) Phylogenetic and phylogeographic analysis of Iberian lynx populations. *Journal of Heredity*, **95**, 19–28.
- Johnson, D. D., Baker, S., Morecroft, M. D., and Macdonald, D. W. (2001a) Long-term resource variation and group size: a large-sample field test of the resource dispersion hypothesis. *BMC Ecology*, **1**, 2.
- Johnson, W. E., Eizirik, E., and Lento, G. M. (2001b) The control, exploitation and conservation of carnivores. In J. Gittleman, S. Funk, D. W. Macdonald, and R. Wayne (eds.), *Carnivore Conservation*, pp. 196–219. Cambridge University Press, Cambridge, UK.
- Johnson, W. E., Eizirik, M., Roelke-Parker, M. and O'Brien, S. J. (2001c) Applications of genetic concepts and molecular methods to carnivore conservation. In J. L. Gittleman, S. M. Funk, D. W. Macdonald, and R. K. Wayne (eds.), *Carnivore Conservation*, pp. 335–58. Cambridge University Press, Cambridge, UK.
- Johnson, W. E., Slattery, J. P., Eizirik, E., et al. (1999) Disparate phylogeographic patterns of molecular genetic variation in four closely related South American small cat species. *Molecular Ecology*, **8**, 79–94.
- Johnson, W. E., O'Brien, S. J., Culver, M., Iriarte, J. A., Eizirik, E., and Seymour, K. L. (1998) Tracking the evolution of the elusive Andean mountain cat (*Oreailurus jacobita*) from mitochondrial DNA. *Journal of Heredity*, **89**, 227–32.
- Johnson, W. E., Dratch, P. A., Martenson, J. S., and O'Brien, S. J. (1996) Resolution of recent radiations within three

- evolutionary lineages of Felidae using mitochondrial restriction fragment length polymorphism variation. *Journal of Mammalian Evolution*, **3**, 97–120.
- Johnston, L. A., Donoghue, A. M., O'Brien, S. J., and Wildt, D. E. (1991) Rescue and maturation *in vitro* of follicular oocytes collected from non-domestic felid species. *Biology of Reproduction*, **45**, 898–906.
- Jorde, P. E., Ruess, E. K., Stenseth, N. C., and Jakobsen, K. S. (2006) Cryptic population structuring in Scandinavian lynx: Reply to Pàmilo. *Molecular Ecology*, **15**, 1189–92.
- Jorgenson, J. P. and Redford, K. H. (1993) Humans and big cats as predators in the Neotropics. *Symposia of the Zoological Society of London*, **65**, 367–90.
- Joshi, A., Dinerstein, E., and Smith, D. (2002) The Terai Arc: managing tigers and other wildlife as metapopulations. In E. D. Wikramanayake, E. Dinerstein, C. J. Loucks, and S. Pimm (eds.), *Terrestrial Ecoregions of the Indo-Pacific: A Conservation Assessment*, pp. 178–81. Island Press, Washington DC.
- Junge, R. E., Miller, R. E., Boever, W. J., Scherba, G., and Sundberg, J. (1991) Persistent cutaneous ulcers associated with feline herpesvirus type 1 infection in cheetah. *Journal of the American Veterinary Medical Association*, **198**, 1057–8.
- Kaare, M. T., Picozzi, K., Mlengya, T., et al. (2007) Sleeping sickness—a re-emerging disease in the Serengeti? *Travel Medicine and Infectious Diseases*, **5**, 117–24.
- Kaczensky, P. (1999) Large carnivore depredation on livestock in Europe. *Ursus*, **11**, 59–71.
- Kaczensky, P., Blazic, M., and Gossow, H. (2001) Content analysis of articles on brown bears in the Slovenian press, 1991–1998. In M. Hunziker and R. Landolt (eds.), *Humans and Predators in Europe—Research on How Society Is Coping with the Return of Wild Predators. Special Issue of Forest Snow and Landscape Research*, pp. 121–35. Swiss Federal Research Institute WSL, Birmensdorf, Switzerland.
- Kadoi, K., Kiryu, M., Iwabuchi, M., Kamata, H., Yukawa, M., and Inaba, Y. (1997) A strain of calicivirus isolated from lions with vesicular lesions on tongue and snout. *New Microbiologist*, **20**, 141–8.
- Kamler, J. F., Gipson, P. S., and Snyder, T. R. (2000) Dispersal characteristics of young bobcats from northeastern Kansas. *Southwestern Naturalist*, **45**, 543–6.
- Kamstra, J. (1987) *An ecological survey of the Cockscomb Basin*. MA dissertation, York University, Toronto, ON.
- Kanninen, M., Murdiyarsa, D., Seymour, F., Angelsen, A., Wunder, S., and German, L. (2007) *Do Trees Grow on Money? The Implications of Deforestation Research for Policies to Promote REDD*. Center for International Forestry Research (CIFOR), Bogor, Indonesia.
- Kaplanov, L. G. (1948) Tigers in Sikhote-Alin. In *Tiger, Red Deer, and Moose, Materialy k poznaniyu fauny i flory SSSR, Obschestva Ispytateley Prirody*, pp. 18–49. Izd. Mosk., Moscow, Russia.
- Karanth, K. U. (1993) *Predator-prey relationships among large mammals in Nagarhole National Park, India*. PhD dissertation, Mangalore University, Mangalore, India.
- Karanth, K. U. (1991) Ecology and management of the tiger in tropical Asia. In N. Maruyama, B. Bobek, Y. Ono, W. Regli, L. Bartos, and R. Ratcliffe (eds.), *Wildlife Conservation: Present Trends and Perspectives for the 21st Century*, pp. 156–9. Japan Wildlife Research Centre, Tokyo, Japan.
- Karanth, K. U. and Gopal, R. (2005) An ecology-based policy framework for human-tiger co-existence in India. In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict or Coexistence?*, pp. 373–87. Cambridge University Press, Cambridge, UK.
- Karanth, K. U. and Madhusudan, M. D. (1997) Avoiding paper tigers and saving real tigers: Response to Saberwal. *Conservation Biology*, **11**, 818–20.
- Karanth, K. U. and Nichols, J. D. (eds.) (2002) *Monitoring Tigers and Their Prey: A Manual for Researchers, Managers and Conservationists in Tropical Asia*. Centre for Wildlife Studies, Bangalore, India.
- Karanth, K. U. and Nichols, J. D. (2000) *Ecological status and conservation of tigers in India*. Final technical report to the Division of International Conservation, U.S. Fish and Wildlife Service, Washington, DC and Wildlife Conservation Society, New York and Bangalore, India.
- Karanth, K. U. and Nichols, J. D. (1998) Estimation of tiger densities in India using photographic captures and recaptures. *Ecology*, **79**, 2852–62.
- Karanth, K. U. and Stith, B. M. (1999) Prey depletion as a critical determinant of tiger population viability. In J. Seidensticker, S. Christie, and P. Jackson (eds.) *Riding the Tiger: Tiger Conservation in Human-Dominated Landscapes*, pp. 100–13. Cambridge University Press, Cambridge, UK.
- Karanth, K. U. and Sunquist, M. E. (2000) Behavioural correlates of predation by tiger (*Panthera tigris*), leopard (*Panthera pardus*) and dhole (*Cuon alpinus*) in Nagarhole, India. *Journal of Zoology*, **250**, 255–65.
- Karanth, K. U. and Sunquist, M. E. (1995) Prey selection by tiger, leopard and dhole in tropical forests. *Journal of Animal Ecology*, **64**, 439–50.
- Karanth, K. K., Nichols, J. D., Hines, J. E., Karanth, K. U., and Christensen, N. L. (in press). Patterns and determinants of mammal species occurrence in India. *Journal of Applied Ecology*.
- Karanth, K. U., Nichols, J. D., Kumar, N. S., and Hines, J. E. (2006) Assessing tiger population dynamics using photographic capture-recapture sampling. *Ecology*, **87**, 2925–37.
- Karanth, K. U., Chundawat, R. S., Nichols, J. D., and Kumar, N. S. (2004a) Estimation of tiger densities in the tropical dry forests of Panna, Central India, using photographic capture-recapture sampling. *Animal Conservation*, **7**, 257–63.
- Karanth, K. U., Nichols, J. D., and Kumar, N. S. (2004b) Photographic sampling of elusive mammals in tropical forests. In W. L. Thompson (ed.), *Sampling Rare or Elusive*

- Species: Concepts, Designs, and Techniques for Estimating Population Parameters*, pp. 229–47. Island Press, Washington DC.
- Karanth, K. U., Nichols, J. D., Seidensticker, J., *et al.* (2003) Science deficiency in conservation practice: the monitoring of tiger populations in India. *Animal Conservation*, **6**, 141–6.
- Karanth, K. U., Nichols, J. D., Kumar, N. S., Link, W. A., and Hines, J. E. (2004c) Tigers and their prey: predicting carnivore densities from prey abundance. *Proceedings of the National Academy of Sciences of the United States of America*, **101**, 4854–8.
- Kat, P. W., Alexander, K. A., Smith, J. S., Richardson, J. D., and Munson, L. (1996) Rabies among African wild dogs (*Lycaon pictus*) in the Masai Mara, Kenya. *Journal of Veterinary Diagnostic Investigation*, **8**, 420–6.
- Kaup, J. J. (1833) *Déscription d'ossements fossiles de mammifères inconnus jusqu'à présent qui se trouvent au muséum grand-ducal de Darmstadt. Carnassiers fossiles*. J.G. Heyer, Darmstadt, Germany.
- Kautz, R., Kawula, R., Hootor, T., *et al.* (2006) How much is enough? Landscape-scale conservation for the Florida panther. *Biological Conservation*, **130**, 118–33.
- Kawanishi, K. (2002) *Population status of tigers (Panthera tigris) in a primary rainforest of peninsular Malaysia*. PhD dissertation, University of Florida, Gainesville, FL.
- Kawanishi, K. and Sunquist, M. E. (2003) Possible new records of fishing cat from Peninsular Malaysia. *Cat News*, **39**, 3–5.
- Keawcharoen, J., Oraveerakul, K., Kuiken, T., *et al.* (2004) Avian influenza H5N1 in tigers and leopards. *Emerging Infectious Diseases*, **10**, 2189–91.
- Keet, D. F., Kriek, N. P. J., Penrith, M. L., and Michel, A. (1997) Tuberculosis in lions and cheetahs. In J. van Heerden (ed.), *Lions and Leopards as Game Ranch Animals*, pp. 151–7. Wildlife Group of the South African Veterinary Association, Onderstepoort, South Africa.
- Keet, D. F., Kriek, N. P. J., Penrith, M. L., Michel, A., and Huchzermeyer, H. (1996) Tuberculosis in buffaloes (*Synecrus caffer*) in the Kruger National Park: spread of the disease to other species. *Onderstepoort Journal of Veterinary Research*, **63**, 239–44.
- Keith, L. B. (1963) *Wildlife's Ten-Year Cycle*. University of Wisconsin Press, Madison, WI.
- Keith, L. B., Todd, A. W., Brand, C. J., Adamcik, R. S., and Rusch, D. H. (1977) An analysis of predation during a cyclic fluctuation of snowshoe hares. *Proceedings of the International Congress of Game Biologists*, **13**, 151–75.
- Kellert, S. R., Black, M., Rush, C. R., and Bath, A. J. (1996) Human culture and large carnivore conservation in North America. *Conservation Biology*, **10**, 977–90.
- Kelly, M. J. (2001) Lineage loss in Serengeti cheetahs: consequences of high reproductive variance and heritability of fitness on effective population size. *Conservation Biology*, **15**, 137–47.
- Kelly, M. J. and Durant, S. M. (2000) Viability of the Serengeti cheetah population. *Conservation Biology*, **14**, 786–97.
- Kelly, M. J., Noss, A. J., Di Bitetti, M. S., *et al.* (2008) Estimating puma densities from remote cameras across three study sites: Bolivia, Argentina, and Belize. *Journal of Mammalogy*, **89**, 408–18.
- Kelt, D. A. and van Vuren, D. H. (2001) The ecology and macroecology of mammalian home range area. *American Naturalist*, **157**, 637–45.
- Kemp, T. S. (2004) *The Origin and Evolution of Mammals*. Oxford University Press, Oxford, UK.
- Kennedy, M., Kania, S., Stylianides, E., Bertschinger, H. J., Keet, D. F., and van Vuuren, M. (2003) Detection of feline coronavirus infection in southern African nondomestic felids. *Journal of Wildlife Diseases*, **39**, 529–35.
- Kenny, D. E., Knightly, F., Baier, J., Lappin, M. R., Brewer, M., and Getzy, D. M. (2002) Toxoplasmosis in Pallas's cats (*Otocolobus felis manul*) at the Denver Zoological Gardens. *Journal of Zoo and Wildlife Medicine*, **33**, 131–8.
- Kenney, J. S., Smith, J. L. D., Starfield, A. M., and McDougal, C. W. (1995) The long-term effects of tiger poaching on population viability. *Conservation Biology*, **9**, 1127–33.
- Kenney, J. S., Smith, J. L. D., Starfield, A. M., and McDougal, C. W. (1994) Saving the tiger in the wild. *Nature*, **369**, 352–3.
- Kenward, R. E. (1990) *Ranges IV. Software for Analysing Animal Location Data*. Institute of Terrestrial Ecology, Wareham, UK.
- Kenward, R. E. (1987) *Wildlife Radio Tagging: Equipment, Field Techniques and Data Analysis*. Academic Press, London, UK.
- Kenward, R. E. and Hodder, K. H. (1996) *Ranges V*. Institute of Terrestrial Ecology, Wareham, UK.
- Kenward, R. E., South, A., and Walls, S. (2003) *Ranges VII (v0.52): For the Analysis of Tracking and Location Data*. Anatrack Ltd, Wareham, UK.
- Kerby, G. and Macdonald, D. W. (1988) Cat society and the consequences of colony size. In D. C. Turner and P. Bateson (eds.), *The Domestic Cat: The Biology of Its Behaviour*, pp. 67–81. Cambridge University Press, Cambridge, UK.
- Kerley, L. L. and Salkina, G. P. (2007) Using scent-matching dogs to identify individual Amur tigers from scats. *Journal of Wildlife Management*, **71**, 1349–56.
- Kerley, L. L., Goodrich, J. M., Miquelle, D. G., Smirnov, E. N., Quigley, H. B., and Hornocker, M. G. (2005) Reproductive parameters of wild female Amur tigers. In D. G. Miquelle, E. N. Smirnov, and J. M. Goodrich (eds.), *Tigers in Sikhotealin Zapovednik: Ecology and Conservation*, pp. 61–9. PSP, Vladivostok, Russia.
- Kerley, L. L., Goodrich, J. M., Miquelle, D. G., Smirnov, E. N., Quigley, H. B., and Hornocker, M. G. (2003) Reproductive parameters of wild female Amur (Siberian) tigers (*Panthera tigris altaica*). *Journal of Mammalogy*, **84**, 288–98.
- Kerley, L. L., Goodrich, J. M., Miquelle, D. G., Smirnov, E. N., Quigley, H. B., and Hornocker, M. G. (2002) Effects of roads and human disturbance on Amur tigers. *Conservation Biology*, **16**, 97–108.

- Kerpaleletswe, C. and Lovett, J. (2001) The role of common pool resources in economic welfare of rural households. Working paper. University of York, York, UK.
- Ketz-Riley, C. J., Barrie, M. T., Ritchey, J. W., Hoover, J. P., and Johnson, C. M. (2003a) Immunodeficiency associated with multiple concurrent infections in captive Pallas's cats (*Otocolobus manul*). *Journal of Zoo and Wildlife Medicine*, **34**, 239–45.
- Ketz-Riley, C. J., Reichard, M. V., Van Den Bussche, R. A., Hoover, J. P., Meinloth, J., and Kocan, A. A. (2003b) An intraerythrocytic small prioplasm in wild-caught Pallas's cats (*Otocolobus manul*) from Mongolia. *Journal of Wildlife Diseases*, **39**, 424–30.
- Keuroghlian, A. (2003) The response of peccaries to seasonal fluctuations in the Pantanal of Rio Negro. In *Earthwatch Institute Annual Report 2003*, pp. 55–9. Earthwatch and CRI-Pantanal, Maynard, MA.
- Kgathi, D. K. and Kalikawe, M. C. (1993) Seasonal distribution of zebra and wildebeest in Makgadikgadi Pans Game Reserve. *African Journal of Ecology*, **31**, 210–19.
- Khan, M. M. H. (2007) *Project Sundarbans Tiger: Tiger Density and Tiger-Human Conflict*. Save The Tiger Fund, National Fish and Wildlife Foundation, Washington DC.
- Khan, M. M. H. (2004) *Ecology and conservation of the Bengal tiger in the Sundarbans mangrove forest of Bangladesh*. DPhil dissertation, University of Cambridge, Cambridge, UK.
- Kie, J. G., Baldwin, J. A., and Evans, C. J. (1996) CALHOME: a program for estimating animal home ranges. *Wildlife Society Bulletin*, **24**, 342–4.
- Kiley-Worthington, M. (1984) Animal language? Vocal communication of some ungulates, canids and felids. *Acta Zoologica Fennica*, **171**, 83–8.
- Kilshaw, K. and Macdonald, D.W. (2010) *Reintroduction of the Scottish Wildcat into the Scottish Highlands: A Feasibility Study*. WildCRU, Oxford, UK.
- Kilshaw, K., Macdonald, D. W. and Kitchener, A. (2008) *Feral cat management in the Cairngorms: scoping study*. Report to Scottish Natural Heritage, Inverness, Scotland.
- Kiltie, R. A. (1988) Interspecific size regularities in tropical field assemblages. *Oecologia*, **76**, 97–105.
- Kiltie, R. A. (1984) Size ratios among sympatric neotropical cats. *Oecologia*, **61**, 411–16.
- Kimura, K. (1999) Diachronous evolution of sub-Himalayan piggyback basins, Nepal. *Island Arc*, **8**, 99–113.
- King, L. E., Douglas-Hamilton, I., and Vollrath, F. (2007) African elephants run from the sound of disturbed bees. *Current Biology*, **17**, R832–3.
- Kingdon, J. (1977) *East African Mammals. An Atlas of Evolution in Africa. Vol. IIIA. Carnivores*. Academic Press, London, UK.
- Kinnaird, M. F., Sanderson, E. W., O'Brien, S. J., Wibisono, H. T., and Woolmer, G. (2003) Deforestation trends in a tropical landscape and implications for endangered large mammals. *Conservation Biology*, **17**, 245–57.
- Kirberger, R. M., Keet, D. F., and Wagner, W. M. (2006) Radiologic abnormalities of the appendicular skeleton of the lion (*Panthera leo*): incidental findings and *Mycobacterium bovis*-induced changes. *Veterinary Radiology and Ultrasound*, **47**, 145–52.
- Kirilyuk, V. and Puzansky, V. N. (2000) The Amur tiger makes a surprise reappearance. *Russian Conservation News*, **23**, 22–3.
- Kirkwood, J. K., Cunningham, A. A., Flach, E. J., Thornton, S. M., and Wells, G. A. H. (1995) Spongiform encephalopathy in another captive cheetah (*Acinonyx jubatus*): evidence for variation in susceptibility or incubation periods between species? *Journal of Zoo and Wildlife Medicine*, **26**, 577–82.
- Kissui, B. M. and Packer, C. (2004) Top-down population regulation of a top predator: lions in the Ngorogoro Crater. *Proceedings of the Royal Society of London Series B*, **271**, 1867–74.
- Kitchener, A. (1995) *The Wildcat*. The Mammal Society, London, UK.
- Kitchener, A. (1991) *The Natural History of the Wild Cats*. Christopher Helm, London, UK.
- Kitchener, A. C. (2002) Two tales of two kitties: restoring the wildcat, *Felis silvestris*, and the lynx, *Lynx lynx*, to Britain. In C. P. Bowen (ed.), *Conference Proceedings 2001–2002*, pp. 24–7. People's Trust for Endangered Species and Mammals Trust UK, London, UK.
- Kitchener, A. C. (2000) Are cats really solitary? *Lutra*, **43**, 1–10.
- Kitchener, A. C. (1999) Tiger distribution, phenotypic variation and conservation issues. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human-Dominated Landscapes*, pp. 19–39. Cambridge University Press, Cambridge, UK.
- Kitchener, A. C. (1998) The Scottish wildcat—a cat with an identity crisis. *British Wildlife*, **9**, 232–42.
- Kitchener, A. C. and Bonsall, C. (1999) Further AMS radiocarbon dates for extinct Scottish mammals. *Quaternary Newsletter*, **88**, 1–10.
- Kitchener, A. C. and Dugmore, A. J. (2000) Biogeographical change in the tiger, *Panthera tigris*. *Animal Conservation*, **3**, 113–24.
- Kitchener, A. C. and Easterbee, N. (1992) The taxonomic status of black wild felids in Scotland. *Journal of Zoology*, **227**, 342–6.
- Kitchener, A. C., Richardson, D., and Beaumont, M. A. (2007) A new old clouded leopard. *Cat News*, **46**, 26–7.
- Kitchener, A. C., Beaumont, M. A., and Richardson, D. (2006) Geographical variation in the clouded leopard, *Neofelis nebulosa*, reveals two species. *Current Biology*, **16**, 2377–83.
- Kitchener, A. C., Yamaguchi, N., Ward, J. M., and Macdonald, D. W. (2005) A diagnosis for the Scottish wildcat (*Felis silvestris*): a tool for conservation action for a critically-endangered felid. *Animal Conservation*, **8**, 223–37.

- Kitchener, A. C., Yasuma, S., Andau, M., and Quillen, P. (2004) Three bay cats (*Catopuma badia*) from Borneo. *Mammalian Biology*, **69**, 349–53.
- Kitchings, J. T. and Story, J. D. (1984) Movements and dispersal of bobcats in east Tennessee. *Journal of Wildlife Management*, **48**, 957–61.
- Kittle, A. and Watson, A. (2004) Rusty-spotted cat in Sri Lanka: observations of an arid zone population. *Cat News*, **40**, 17–19.
- Kleiman, D. G. and Eisenberg, J. F. (1973) Comparisons of canid and felid social systems from an evolutionary perspective. *Animal Behaviour*, **21**, 637–59.
- Knick, S. T. (1990) Ecology of bobcats relative to exploitation and a prey decline in southeastern Idaho. *Wildlife Monographs*, **108**, 1–42.
- Knighton, A. D. and Nanson, G. C. (2000) Waterhole form and process in the anastomosing channel system of Cooper Creek, Australia. *Geomorphology*, **35**, 101–17.
- Knowles, L. L. (2004) The burgeoning field of statistical phylogeography. *Journal of Evolutionary Biology*, **17**, 1–10.
- Kock, R., Chalmers, W. S. K., Mwanzia, J., et al. (1998) Canine distemper antibodies in lions of the Masai Mara. *Veterinary Record*, **142**, 662–5.
- Koehler, A. E., Marsh, R. E., and Salmon, T. P. (1990) Frightening methods and devices/stimuli to prevent mammal damage—a review. In L. R. Davis and R. E. Marsh (eds.), *Proceedings of the 14th Vertebrate Pest Conference*, pp. 168–73. University of California, Davis, CA.
- Koehler, G. M. (1990) Population and habitat characteristics of lynx and snowshoe hares in north central Washington. *Canadian Journal of Zoology*, **68**, 845–51.
- Koehler, G. M. and Hornocker, M. G. (1991) Seasonal resource use among mountain lions, bobcats, and coyotes. *Journal of Mammalogy*, **72**, 391–6.
- Koford, C. B. (1973) Spotted cats in South America: an interim report. *Oryx*, **12**, 37–9.
- Kohn, M. H., Murphy, W. J., Ostrander, E. A., and Wayne, R. K. (2006) Genomics and conservation genetics. *Trends in Ecology & Evolution*, **21**, 629–37.
- Kolmstetter, C., Munson, L., and Ramsay, E. C. (2000) Degenerative spinal disease in large felids. *Journal of Zoo and Wildlife Medicine*, **31**, 15–19.
- Kolowski, J. M. and Holekamp, K. E. (2006) Spatial, temporal, and physical characteristics of livestock depredation by large carnivores along a Kenyan reserve border. *Biological Conservation*, **128**, 529–41.
- Konecny, M. J. (1989) Movement patterns and food habits of four sympatric carnivore species in Belize, Central America. In K. H. Redford and J. F. Eisenberg (eds.) *Advances in Neotropical Mammalogy*, pp. 243–64. Sandhill Crane Press, Gainesville, FL.
- Kontoleon, A. and Swanson, T. (2003) The willingness to pay for property rights for the Giant Panda: Can a charismatic species be an instrument for nature conservation? *Land Economics*, **79**, 483–99.
- Koshkarev, E. P. (1994) Snow leopard poaching in Central Asia. *Cat News*, **21**, 18.
- Koshkarev, E. P. and Vyrypaev, V. (2000) The snow leopard after the break-up of the Soviet Union. *Cat News*, **32**, 9–11.
- Krebs, C. J., Boutin, S., and Boonstra, R. (eds.) (2001) *Ecosystem Dynamics of the Boreal Forest: The Kluane Project*. Oxford University Press, Oxford, UK.
- Krebs, C. J., Boutin, S., Boonstra, R., et al. (1995) Impact of food and predation on the snowshoe hare cycle. *Science*, **269**, 1112–15.
- Krebs, C. J., Gilbert, B. S., Boutin, S., and Boonstra, R. (1987) Estimation of snowshoe hare population density from turd transects. *Canadian Journal of Zoology*, **65**, 565–7.
- Kreeger, T. J., Arnemo, J. M., and Raath, J. P. (2002) *Handbook of Wildlife Chemical Immobilization*. Wildlife Pharmaceuticals, Fort Collins, CO.
- Kretzoi, M. (1938) Die Raubtiere von Gombaszög nebst einer Übersicht der Gesamtfaua. *Annales Historico-Naturales Musei Nationalis Hungarici*, **31**, 89–157.
- Kretzoi, M. (1929a) Feliden-Studien. *A Magyar Királyi Földtani Intézet Hazinyomdaja*, **24**, 1–22.
- Kretzoi, M. (1929b) Materialien zur phylogenetischen Klassifikation der Aeluroideen. *Xe Congrès International de Zoologie*, **2**, 1293–355.
- Kruuk, H. (2002) *Hunter and Hunted: Relationships between Carnivores and People*. Cambridge University Press, Cambridge, UK.
- Kruuk, H. (1978) Foraging and spatial organisation of the European badger, *Meles meles* L. *Behavioral Ecology and Sociobiology*, **4**, 75–89.
- Kruuk, H. (1976) Feeding and social behaviour of the striped hyena (*Hyaena vulgaris Desma-rest*). *East African Wildlife Journal*, **14**, 91–112.
- Kruuk, H. (1972) Surplus killing by carnivores. *Journal of Zoology*, **166**, 233–44.
- Kruuk, H. and Macdonald, D. W. (1985) Group territories of carnivores: empires and enclaves. In R. M. Sibly and R. H. Smith (eds.), *Behavioural Ecology*, pp. 521–36. Blackwell Scientific Publications, Oxford, UK.
- Kruuk, L. E. B., Sheldon, B. C., and Merila, J. (2002) Severe inbreeding depression in collared flycatchers (*Ficedula albicollis*). *Proceedings of the Royal Society of London Series B*, **269**, 1581–9.
- Kumar, A. and Wright, B. (1999) Combating tiger poaching and illegal wildlife trade in India. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human Dominated Landscapes*, pp. 242–51. Cambridge University Press, Cambridge, UK.
- Kumara, H. N. and Singh, M. (2004) The influence of differing hunting practices on the relative abundance of mammals in two rainforest areas of the Western Ghats, India. *Oryx*, **38**, 321–7.



- Kurose, N., Masuda, R., and Tataru, M. (2005) Fecal DNA analysis for identifying species and sex of sympatric carnivores: a noninvasive method for conservation on the Tsushima Islands, Japan. *Journal of Heredity*, **96**, 688–97.
- Kurt, F. (1991) *Das Rehwild in der Kulturlandschaft—Sozialverhalten und Ökologie eines Anpassers*. Verlag Paul Parey, Hamburg, Germany.
- Kurtén, B. (1976) Fossil Carnivora from the late tertiary of Bled Douarah and Cherichira, Tunisia. *Notes du Service Géologique de Tunisie*, **42**, 177–214.
- Kurtén, B. (1973) Geographic variation in size in the puma (*Felis concolor*). *Commentationes Biologicae Societas Scientiarum Fennica*, **63**, 1–8.
- Kurtén, B. (1968) *Pleistocene Mammals of Europe*. Weidenfeld and Nicholson, London, UK.
- Kurtén, B. (1965a) The Carnivora of the Palestine caves. *Acta Zoolica Fennica*, **107**, 3–74.
- Kurtén, B. (1965b) On the evolution of the European wildcat, *Felis silvestris* Schreber. *Acta Zoolica Fennica*, **111**, 3–29.
- Kurtén, B. (1962) The relative ages of the australopithecines of Transvaal and the pithecanthropines of Java. In G. Kurth (ed.), *Evolution and Hominization*, pp. 74–80. Gustav Fischer Verlag, Stuttgart, Germany.
- Kurtén, B. and Anderson, E. (1980) *Pleistocene Mammals of North America*. Columbia University Press, New York.
- Kushnir H., Leitner H., Ikanda D., and Packer, C. (in press) Human and ecological risk factors for unprovoked lion attacks on humans in southeastern Tanzania. *Human Dimensions of Wildlife* **15**.
- Laack, L. L. (1991) *Ecology of ocelot (Felis pardalis) in south Texas*. MS dissertation, Texas A&I University, Kingsville, TX.
- Labuschagne, W. (1979) 'N Bio-ekologiese en gedragstudie van de jagliuperd *Acinonyx jubatus jubatus* (Schreber 1775). MSc dissertation, University of Pretoria, Pretoria, South Africa.
- Lacy, R. C. (1997) Importance of genetic variation to the viability of mammalian populations. *Journal of Mammalogy*, **78**, 320–35.
- Lacy, R. C. (1994) Managing genetic diversity in captive populations of animals. In M. L. Bowles and C. J. Whelan (eds.), *Restoration of Endangered Species*, pp. 63–83. Cambridge University Press, Cambridge, UK.
- Lacy, R. C. and Vargas, A. (2004) *Informe sobre la gestión genética y demográfica del programa de cría para la conservación del lince Ibérico: escenarios, conclusiones y recomendaciones*. Conservation Breeding Specialist Group, Apple Valley, MN and Ministerio de Medio Ambiente, Madrid, Spain.
- Laikre, L. and Ryman, N. (1991) Inbreeding depression in a captive wolf (*Canis lupus*) population. *Conservation Biology*, **5**, 33–40.
- Laikre, L., Andren, R., Larsson, H. O., and Ryman, N. (1996) Inbreeding depression in brown bear *Ursus arctos*. *Biological Conservation*, **76**, 69–72.
- Laing, S. P. and Lindzey, F. G. (1993) Patterns of replacement of resident cougars in southern Utah. *Journal of Mammalogy*, **74**, 1056–8.
- Lamberski, N. and West, C. (2007) Role of veterinarians in regional management plans. *International Zoo Yearbook*, **41**, 16–23.
- Lambert, C. M. S., Wielgus, R. B., Robinson, H. S., Katnik, D. D., Cruickshank, H. S., Clarkeand, R., and Almack, J. (2006) Cougar population dynamics and viability in the Pacific Northwest. *Journal of Wildlife Management*, **70**, 246–54.
- Land, E. D. and Lacy, R. C. (2000) Introgression level achieved through Florida panther genetic restoration. *Endangered Species Update*, **17**, 99–103.
- Land, E. D., Shindle, D. B., Kawula, R. J., Benson, J. F., Lotz, M. A., and Onorato, D. P. (2008) Florida panther habitat selection analysis of concurrent GPS and VHF telemetry data. *Journal of Wildlife Management*, **72**, 633–9.
- Land, E. D., Maehr, D. S., Roof, J. C., and McCown, J. W. (1993) Mortality patterns of female white-tailed deer in southwest Florida. *Proceedings of the Annual Conference of Southeastern Fish and Wildlife Agencies*, **47**, 176–84.
- Lande, R. (1988) Genetics and demography in biological conservation. *Science*, **241**, 1455–60.
- Lande, R. and Barrowclough, G. F. (1987) Effective population size, genetic variation, and their use in population management. In M. E. Soule (ed.), *Viable Populations for Conservation*, pp. 87–124. Cambridge University Press, Cambridge, UK.
- Land, R., Engen, S., and Saether, B. E. (2003) *Stochastic Population Dynamics in Ecology and Conservation*. Oxford University Press, Oxford, UK.
- Landry, J. M. (1999) *The Use of Guard Dogs in the Swiss Alps: A First Analysis*. KORA, Muri, Switzerland.
- Langley, P. J. W. and Yalden, D. W. (1977) The decline of the rarer carnivores in Great Britain during the nineteenth century. *Mammal Review*, **7**, 95–116.
- Lantos, A., Niemann, S., Mezosi, L., et al. (2003) Pulmonary tuberculosis due to *Mycobacterium bovis* subsp. *caprae* in captive Siberian tiger. *Emerging Infectious Diseases*, **9**, 1462–4.
- Lapointe, E., Conrad, K., Mitra, B., and Jenkins, H. (2007) *Tiger Conservation: It's Time to Think Outside the Box*. IWCN World Conservation trust, Lausanne, Switzerland.
- Larivière, S. and Walton, L. R. (1997) *Lynx rufus*. *Mammalian Species*, **563**, 1–8.
- Larom, D., Garstang, M., Payne, K., Raspel, R., and Lindeque, M. (1997) The influence of surface atmospheric conditions on the range and area reached by animal vocalizations. *Journal of Experimental Biology*, **200**, 421–31.
- Laundré, J. and Clark, T. W. (2003) Managing puma hunting in the western United States: through a metapopulation approach. *Animal Conservation*, **6**, 159–70.
- Laurance, W. F. (2007) A new initiative to use carbon trading for tropical forest conservation. *Biotropica*, **39**, 20–4.

- Laurance, W. F. (2000) Do edge effects occur over large spatial scales? *Trends in Ecology and Evolution*, **15**, 134–5.
- Laurenson, M. K. (1995a) Behavioural costs and constraints of lactation in free-living cheetahs. *Animal Behaviour*, **50**, 815–26.
- Laurenson, M. K. (1995b) Cub growth and maternal care in cheetahs. *Behavioral Ecology*, **6**, 405–9.
- Laurenson, M. K. (1995c) Implications of high offspring mortality for cheetah population dynamics. In A. R. E. Sinclair and P. Arcese (eds.), *Serengeti II: Dynamics, Management and Conservation of an Ecosystem*, pp. 385–99. University of Chicago Press, Chicago.
- Laurenson, M. K. (1994) High juvenile mortality in cheetahs (*Acinonyx jubatus*) and its consequences for maternal care. *Journal of Zoology*, **234**, 387–408.
- Laurenson, M. K. (1993) Early maternal behavior of wild cheetahs: implications for captive husbandry. *Zoo Biology*, **12**, 31–43.
- Laurenson, M. K. (1992) *Reproductive strategies in wild female cheetahs*. DPhil dissertation, University of Cambridge, Cambridge, UK.
- Laurenson, M. K., Wielebnowski, N., and Caro, T. M. (1995) Extrinsic factors and juvenile mortality in cheetahs. *Conservation Biology*, **9**, 1329–31.
- Laver, P. N. (2005) *Cheetah of the Serengeti Plains: a home range analysis*. MSc dissertation, Virginia Polytechnic Institute and State University, Blacksburg, VA.
- Lawhead, D. N. (1984) Bobcat *Lynx rufus* home range density and habitat preference in south central Arizona USA. *Southwestern Naturalist*, **29**, 105–14.
- Lawson, D. and Mafela, P. (1990) Development of the WMA concept. In A. Kiss (ed.), *Living with Wildlife: Wildlife Resources Management with Local Participation in Africa*. World Bank, Washington DC.
- Lay, D. (1972) Anatomy, physiology, functional significance and evolution of specialized hearing organs of gerbilline rodents. *Journal of Morphology*, **138**, 41–120.
- Leader-Williams, N. and Hutton, J. M. (2005) Does extractive use provide opportunities to offset conflicts between people and wildlife? In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict or Co-Existence?*, pp. 140–61. Cambridge University Press, Cambridge, UK.
- Lee-Thorp, J., Thackeray, J. F., and van der Merwe, N. (2000) The hunters or the hunted revisited. *Journal of Human Evolution*, **39**, 565–76.
- Lee, I. T., Levy, J. K., Gorman, S. P., Crawford, P. C., and Slater, M. R. (2002) Prevalence of feline leukemia virus infection and serum antibodies against feline immunodeficiency virus in unowned free-roaming cats. *Journal of the American Veterinary Medical Association*, **220**, 620–2.
- Legay, J. M. (1986) Tentative estimation of the total number of domestic cats in the world. *Comptes Rendues des Academies de Sciences III*, **303**, 709–12.
- Lehmkuhl, J. (1989) *The ecology of south-Asian tall-grass communities*. PhD dissertation, University of Washington, Seattle, WA.
- Leistner, O. A. (1967) The plant ecology of the Southern Kalahari [Africa]. *Botanical Survey South Africa Memoirs*, **38**, 1–172.
- Leite, M. R. P. and Galvão, F. (2002) El jaguar, el puma y el hombre en tres áreas protegidas del bosque atlántico costero de paraná, Brasil. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio.*, pp. 237–50. Fondo de Cultura Economica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Leite, M. R. P., Boulhosa, R. L. P., Galvão, F., and Cullen, L. (2002) Conservacion del jaguar en las areas protegidas del bosque atlantico de la costa de Brasil. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio*, pp. 25–42. Fondo de Cultura Economica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Lekagul, B. and McNeely, J. A. (1988) *Mammals of Thailand*, 2nd edn. Darnsutha Press, Bangkok, Thailand.
- Lélé, S. and Norgaard, R. B. (2005) Practicing interdisciplinarity. *BioScience*, **55**, 967–75.
- Lembo, T. K., Hampson, K., Haydon, D. T., et al. (2008) Exploring reservoir dynamics: a case study of rabies in the Serengeti ecosystem. *Journal of Applied Ecology*, **45**, 1246–57.
- León, T., Jones, J., and Soria, D. (2006) Iberian lynx cell bank: biological reserves and their application to the conservation of the species. In *Iberian Lynx Ex-Situ Conservation Seminar Series: Book of Proceedings*, pp. 106–8. Fundación Biodiversidad, Sevilla and Doñana, Spain.
- Leutenegger, C. M., Hofmann-Lehmann, R., Riols, C., et al. (1999) Viral infections in free-living population of the European wildcat. *Journal of Wildlife Diseases*, **35**, 678–86.
- Lévi-Strauss, C. (1987) *Anthropology and Myth: Lectures, 1951–1982*. Wiley-Blackwell, Oxford, UK.
- Lewis, D., Kaweche, G. B., and Mwenya, A. (1990) Wildlife Conservation outside protected areas—lessons from an experiment in Zambia. *Conservation Biology*, **4**, 171–8.
- Lewis, D. M. and Alpert, P. (1997) Trophy hunting and wildlife conservation in Zambia. *Conservation Biology*, **11**, 59–68.
- Lewis, D. M. and Jackson, J. (2005) Safari hunting and conservation on communal land in southern Africa. In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict or Coexistence?*, pp. 239–51. Cambridge University Press, Cambridge, UK.
- Lewis, J. C. M. (1994) Anesthesia of nondomestic cats. In L. W. Hall and P. M. Taylor (eds.), *Anesthesia of the Cats*, pp. 310–49. Baillière Tindall, London, UK.
- Lewis, J. S., Rachlow, J. L., Garton, E. O., and Vierling, L. A. (2007) Effects of habitat on GPS collar performance: using

- data screening to reduce location error. *Journal of Applied Ecology*, **44**, 663–71.
- Lewison, R., Fitzhugh, E. L., and Galentine, S. P. (2001) Validation of a rigorous track classification technique: identifying individual mountain lions. *Biological Conservation*, **99**, 313–21.
- Leyhausen, P. (1979) *Cat Behavior: The Predatory and Social Behaviour of Domestic and Wild Cats*. Garland STPM Press, New York.
- Leyhausen, P. (1965) The communal organisation of solitary mammals. *Symposia of the Zoological Society of London*, **14**, 249–63.
- Leyhausen, P. and Tonkin, B. (1966) Breeding the Black-footed cat (*Felis nigripes*). *International Zoo Yearbook*, **6**, 178–82.
- Lezmi, S., Bencsik, A., Monks, E., Petit, T., and Baron, T. (2003) First case of feline spongiform encephalopathy in a captive cheetah born in France: PrP<sup>Sc</sup> analysis in various tissues revealed unexpected targeting of kidney and adrenal gland. *Histochemistry and Cell Biology*, **119**, 415–22.
- Li, W. and Wang, H. (1999) Wildlife trade in Yunnan Province, China, at the border with Vietnam. *TRAFFIC Bulletin*, **18**, 21–30.
- Li, X., Li, W., Cao, J., et al. (2005) Pseudogenization of a sweet-receptor gene accounts for cats' indifference toward sugar. *PLoS Genetics*, **1**, 27–35.
- Liberg, O. (1980) Spacing patterns in a population of rural free roaming domestic cats. *Oikos*, **35**, 336–49.
- Liberg, O., Sandell, M., Pontier, D., and Natoli, E. (2000) Density, spatial organisation and reproductive tactics in the domestic cat and other felids. In D. C. Turner and P. Bateson (eds.), *The Domestic Cat: The Biology of Its Behaviour*, pp. 119–47. Cambridge University Press, Cambridge, UK.
- Lindeque, P. M. and Turnbull, P. C. (1994) Ecology and epidemiology of anthrax in the Etosha National Park, Namibia. *Onderstepoort Journal of Veterinary Research*, **61**, 71–83.
- Lindeque, P. M., Brain, C., and Turnbull, P. C. B. (1996) A review of anthrax in the Etosha National Park. *Salisbury Medical Bulletin*, **87**, 24–6.
- Lindsey, P. A., Románach, S., and Davies-Mostert, H. (2009) A synthesis of early indicators of predator conservation on private land in South Africa. In M. W. Hayward and M. J. Somers (eds.), *The Reintroduction of Top-Order Predators*, pp. 321–44. Wiley-Blackwell Publishing, Oxford, UK.
- Lindsey, P. A., Frank, L. G., Alexander, R., Mathieson, A., and Romanach, S. S. (2007) Trophy hunting and conservation in Africa: problems and one potential solution. *Conservation Biology*, **21**, 880–3.
- Lindsey, P. A., Alexander, R., Frank, L. G., Mathieson, A., and Romanach, S. S. (2006) Potential of trophy hunting to create incentives for wildlife conservation in Africa where alternative wildlife-based land uses may not be viable. *Animal Conservation*, **9**, 283–91.
- Lindsey, P. A., Du Toit, J. T., and Mills, M. G. L. (2005) Attitudes of ranchers towards African wild dogs *Lycaon pictus*: conservation implications on private land. *Biological Conservation*, **125**, 113–21.
- Lindstedt, S. L., Miller, B. J., and Buskirk, S. W. (1986) Home range, time, and body size in mammals. *Ecology*, **67**, 413–18.
- Lindzey, F. G., van Sickle, W. D., Laing, S. P., and Mecham, C. S. (1992) Cougar population response to manipulation in southern Utah. *Wildlife Society Bulletin*, **20**, 224–7.
- Lindzey, F. G., Ackerman, B. B., Barnhurst, D., and Hemker, T. P. (1988) Survival rates of mountain lions in southern Utah. *Journal of Wildlife Management*, **52**, 664–7.
- Linkie, M., Chapron, G., Martyr, D. J., Holden, J., and Leader-Williams, N. (2006) Assessing the viability of tiger subpopulations in a fragmented landscape. *Journal of Applied Ecology*, **43**, 576–86.
- Linnell, J. D. C. and Brøseth, H. (2003) Compensation for large carnivore depredation of domestic sheep 1994–2001. *Carnivore Damage Prevention News*, **6**, 11–13.
- Linnell, J. D. C., Breitenmoser, U., Breitenmoser-Würsten, C., Odden, J., and von Arx, M. (2009) Recovery of Eurasian lynx in Europe: what part has reintroduction played? In M. W. Hayward and M. J. Somers (eds.), *The Reintroduction of Top-Order Predators*, pp. 72–91. Wiley-Blackwell Publishing, Oxford, UK.
- Linnell, J. D. C., Nilsen, E. B., Lande, U. S., et al. (2005) Zoning as a means of mitigating conflicts with large carnivores: principles and reality. In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict and Coexistence*, pp. 162–75. Cambridge University Press, Cambridge, UK.
- Linnell, J. D. C., Andersen, R., Kvam, T., et al. (2001) Home range size and choice of management strategy for lynx in Scandinavia. *Environmental Management*, **27**, 869–79.
- Linnell, J. D. C., Odden, J., Smith, M. E., Aanes, R., and Swenson, J. E. (1999) Large carnivores that kill livestock: do 'problem individuals' really exist? *Wildlife Society Bulletin*, **27**, 698–705.
- Linnell, J. D. C., Odden, J., Pedersen, V., and Andersen, R. (1998) Records of intra-guild predation by Eurasian Lynx, *Lynx lynx*. *Canadian Field-Naturalist*, **112**, 707–8.
- Linnell, J. D. C., Smith, M. E., Odden, J., Kaczensky, P., and Swenson, J. E. (1996) *Strategies for the Reduction of Carnivore-Livestock Conflicts: A Review*. NINA Oppdragsmelding 443. NINA, Trondheim, Norway.
- Litvaitis, J. A., Major, J. T., and Sherburne, J. A. (1987) Influence of season and human induced mortality on spatial organisation of bobcats (*Felis rufus*) in Maine. *Journal of Mammalogy*, **68**, 100–6.
- Litvaitis, J. A., Sherburne, J. A., and Bissonette, J. A. (1986) Bobcat habitat use and home range size in relation to prey density. *Journal of Wildlife Management*, **50**, 110–17.
- Lloyd-Smith, J. O., Schreiber, S. J., Kopp, P. E., and Getz, W. M. (2005) Superspreading and the effect of individual variation on disease emergence. *Nature*, **438**, 355–9.

- Logan, K. A. and Sweanor, L. L. (2001) *Desert Puma: Evolutionary Ecology and Conservation of an Enduring Carnivore*. Island Press, Washington DC.
- Logan, K. A. and Sweanor, L. L. (1999) Puma. In S. Demaris and P. R. Krausman (eds.), *Ecology and Management of Large Mammals in North America*, pp. 347–77. Prentice Hall, Upper Saddle, NJ.
- Logan, K. A. and Sweanor, L. L. (1998) Cougar management in the West: New Mexico as a template. In *Proceedings of the Western Association of Fish and Wildlife Agencies*. Wyoming Game and Fish Department, Jackson Hole, WY.
- Logan, K. A., Sweanor, L. L., and Hornocker, M. G. (2004) Reconciling science and politics in puma management in the West: New Mexico as a template. In J. E. Miller and K. A. Logan (eds.), *Managing Mammalian Predators and Their Populations to Avoid Conflicts, 69th North American Wildlife and Natural Resources Conference*, pp. 1–11. Wildlife Management Institute, Washington, DC.
- Logan, K. A., Sweanor, L. L., Smith, J. E., and Hornocker, M. G. (1999) Capturing pumas with foot-hold snares. *Wildlife Society Bulletin*, **27**, 201–8.
- Logan, K. A., Sweanor, L. L., and Hornocker, M. G. (1996) Mountain lion population dynamics. In *Mountain Lions in the San Andreas Mountains, New Mexico*, Chapter 3 (Project No. W-128-R, Final Report). New Mexico Department of Game and Fish, Santa Fe, NM.
- Logan, K. A., Irwin, L. L., and Skinner, R. (1984) Characteristics of a hunted mountain lion population in Wyoming. *Journal of Wildlife Management*, **50**, 648–54.
- Londei, T. (2000) The cheetah (*Acinonyx jubatus*) dewclaw: specialization overlooked. *Journal of Zoology*, **251**, 535–47.
- López-Bao, J. V., Rodriguez, A., and Palomares, F. (2008) Behavioural response of a trophic specialist, the Iberian lynx, to supplementary food: patterns of food use and implications for conservation. *Biological Conservation*, **141**, 1857–67.
- Lopez-Gonzalez, C. A. (1999) *Implicaciones para la conservación y el manejo de pumas (Puma concolor) utilizando como modelo una población sujeta a cacería deportiva*. PhD dissertation, Universidad Nacional Autónoma de México, México City, México.
- Lopez-Gonzalez, C. A. and Piña, G. L. (2002) Carrion use by jaguars (*Panthera onca*) in Sonora, Mexico. *Mammalia*, **66**, 603–5.
- López-Ontiveros, A. (1991) Algunos aspectos de la evolución de la caza en España. *Agricultura y Sociedad*, **58**, 13–51.
- Lopez-Rebollar, L. M., Penzhorn, B. L., de Waal, D. T., and Lewis, B. D. (1999) A possible new piroplasm in lions from the Republic of South Africa. *Journal of Wildlife Diseases*, **35**, 82–5.
- Lopez, B. (1978) *Of Wolves and Men*. Touchstone, New York.
- López, G., Martínez, F., Meli, M., et al. (2007) *The Feline Leukemia Virus and the Iberian Lynx*. Environment Council, Andalusian Government, Seville, Spain.
- Lopez, J. V., Culver, M., Stephens, J. C., Johnson, W. E., and O'Brien, S. J. (1997) Rates of nuclear and cytoplasmic mitochondrial DNA sequence divergence in mammals. *Molecular Biology and Evolution*, **14**, 277–86.
- Lopez, J. V., Yuhki, N., Masuda, R., Modi, W., and O'Brien, S. J. (1994) Numt, a recent transfer and tandem amplification of mitochondrial DNA to the nuclear genome of the domestic cat. *Journal of Molecular Evolution*, **39**, 174–90.
- López Martínez, N. (2008) The Lagomorph fossil record and the origin of the European rabbit. In P. C. Alves, N. Ferland, and K. Hackländer (eds.), *Lagomorph Biology: Evolution, Ecology, and Conservation*, pp. 27–46. Springer, Berlin, Germany.
- Lorenz, J. R., Coppinger, R. P., and Sutherland, M. R. (1986) Causes and economic effects of mortality in livestock guarding dogs. *Journal of Range Management*, **39**, 293–5.
- Lott, D. F. (1991) *Intraspecific Variation in the Social Systems of Vertebrates*. Cambridge University Press, Cambridge, UK.
- Lotz, M. A., Land, E. D., and Johnson, K. G. (1997) Evaluation and use of precast wildlife crossings by Florida wildlife. *Proceedings of the Annual Conference of Southeastern Fish and Wildlife Agencies*, **51**, 311–18.
- Lovallo, M. J. and Anderson, E. M. (1996) Bobcat (*Lynx rufus*) home range size and habitat use in Northwest Wisconsin. *American Midland Naturalist*, **135**, 241–52.
- Lovegrove, R. and Lovegrove, R. (2007) *Silent Fields: The Long Decline of a Nation's Wildlife*. Oxford University Press, Oxford, UK.
- Loveridge, A. J. and Macdonald, D. W. (2002) Habitat ecology of two sympatric species of jackals in Zimbabwe. *Journal of Mammalogy*, **83**, 599–607.
- Loveridge, A. J., Murindagomo, F., Moyo, G., and Macdonald, D. W. (in prep) Impact of trophy hunting on lions in Matetsi Safari Area, Zimbabwe.
- Loveridge, A. J., Packer, C., and Dutton, A. (2009a) Science and the recreational hunting of lions. In B. Dickson, J. Hutton, and B. Adams (eds.), *Recreational Hunting, Conservation and Rural Livelihoods: Science and Practice*. Blackwell Publishing, Oxford, UK.
- Loveridge, A. J., Valeix, M., Davidson, Z., Murindagomo, F., Fritz, H., and Macdonald, D. W. (2009b) Changes in home range size in relation to pride size and prey biomass in a semi-arid savanna. *Ecography*, **32**, 1–10.
- Loveridge, A., Canney, S., Hemson, G., and Sillero-Zubiri, C. (2007a) Modelling the distribution of African lion population using a GIS meta-analysis. In *Felid Biology and Conservation Conference 17–20 September 2007: Programmes and Abstracts*, p. 68. Wildlife Conservation Research Unit, Oxford, UK.
- Loveridge, A. J., Reynolds, J. C., and Milner-Gulland, E. J. (2007b) Does sport hunting benefit conservation? In D. W. Macdonald and K. Service (eds.), *Key Topics in Conservation*, pp. 224–40. Blackwell Publishing, Oxford, UK.

- Loveridge, A. J., Searle, A. W., Murindagomo, F., and Macdonald, D. W. (2007c) The impact of sport-hunting on the population dynamics of an African lion population in a protected area. *Biological Conservation*, **134**, 548–58.
- Loveridge, A. J., Hunt, J. E., Murindagomo, F., and Macdonald, D. W. (2006) Influence of drought on predation of elephant (*Loxodonta africana*) calves by lions (*Panthera leo*) in an African wooded savannah. *Journal of Zoology*, **270**, 523–30.
- Loveridge, A. J., Lynam, T., and Macdonald, D. W. (eds.) (2001) *Lion Conservation Research. Workshop 1: Survey Techniques*. Wildlife Conservation Research Unit, University of Oxford, Oxford, UK.
- Luaces, I., Domenech, A., Garcia-Montijano, M., et al. (2008) Detection of Feline leukemia virus in the endangered Iberian lynx (*Lynx pardinus*). *Journal of Veterinary Diagnostic Investigation*, **20**, 381–5.
- Lucherini, M. and Luengos Vidal, E. (2003) Intraguild competition as a potential factor affecting the conservation of two endangered cats in Argentina. *Endangered Species Update*, **20**, 211–20.
- Lucherini, M. and Merino, M. J. (2008) Perceptions of human–carnivore conflicts in the High Andes of Argentina. *Mountain Research and Development*, **28**, 81–5.
- Lucherini, M., Luengos Vidal, E., and Merino, M. J. (2008) How rare is the rare Andean cat? *Mammalia*, **72**, 95–101.
- Lucherini, M., Manfredi, C., Luengos, E., Mazim, F. D., Soler, L., and Casanave, E. B. (2006) Body mass variation in the Geoffroy's cat (*Oncifelis geoffroyi*). *Revista Chilena de Historia Natural*, **79**, 169–74.
- Lucherini, M., Huaranca, J. C., Savini, S., Tavera, G., Luengos Vidal, E., and Merino, M. J. (2004) New photographs of the Andean cat in Argentina: have we found a viable population? *Cat News*, **41**, 4–5.
- Lucherini, M., Luengos Vidal, E., and Beldomenico, P. (2001) First record of sympatry of guigna and Geoffroy's cat. *Cat News*, **35**, 20–1.
- Lucherini, M., Soler, L., Manfredi, C., Desbiez, A., and Marul, C. (2000) Geoffroy's cat in the pampas grasslands. *Cat News*, **33**, 22–4.
- Ludlow, M. E. and Sunquist, M. E. (1987) Ecology and behavior of ocelots in Venezuela. *National Geographic Research*, **3**, 447–61.
- Luikart, G., England, P. R., Tallmon, D., Jordan, S., and Taberlet, P. (2003) The power and promise of population genomics: from genotyping to genome typing. *Nature Reviews Genetics*, **4**, 981–94.
- Lukes, S. (2008) *Moral relativism*. Profile Books, London, UK.
- Luo, S. J., Kim, J. H., Johnson, W. E., et al. (2006) Proceedings in phylogeography and genetic ancestry of Tigers (*Panthera tigris*) in China and across the range. *Zoological Research*, **27**, 411–48.
- Luo, S. J., Kim, J. H., Johnson, W. E., et al. (2004) Phylogeography and genetic ancestry of tigers (*Panthera tigris*). *PLoS Biology*, **2**, 2275–93.
- Lybbert, T. J., Barrett, C. B., Desta, S., and Coppock, D. C. (2004) Stochastic wealth dynamics and risk management among poor populations. *The Economic Journal*, **114**, 750–77.
- Lynam, A. J., Round, P., and Brockelman, W. Y. (2006) *Status of Birds and Large Mammals of the Dong Phrayayen-Khao Yai Forest Complex, Thailand*. Biodiversity Research and Training Program and Wildlife Conservation Society, Bangkok, Thailand.
- Ma, Y. (2005) Changes in Amur tiger distribution in northeast China in the past 100 years. In *Recovery of the Wild Amur Tiger Population in China: Progress and Prospect. Proceedings of the 2000 International Workshop on Wild Amur Tiger Population Recovery Action Plan, Harbin, China and the 2002 National Workshop on Progress of Wild Amur Tiger Population Recovery Action, Hunchun, China.*, pp. 164–70. China Forestry Publishing House, Beijing, China.
- Macdonald, D. W. (1976) Food caching by red foxes and some other carnivores. *Zeitschrift für Tierpsychologie*, **42**, 170–85.
- Macdonald, D. W. (1980) Patterns of scent marking with urine and faeces amongst carnivore communities. *Proceedings of the Symposia of the Zoological Society of London*, **45**, 107–39.
- Macdonald, D. W. (2009) Lessons learnt and plans laid: seven awkward questions for the future of reintroductions. In M. W. Hayward and M. J. Somers (eds.), *The Reintroduction of Top-Order Predators*. pp. 411–48. Wiley-Blackwell Publishing, Oxford, UK.
- Macdonald, D. W. (2005) The evolving discussion of trophy hunting. In A. J. Loveridge, T. Lynam, and D. W. Macdonald (eds.), *Lion Conservation Research Workshops 3 and 4: From Conflict to Socioecology*, pp. 18–22. WildCRU, Oxford, UK.
- Macdonald, D. W. (ed.) (2001a) *The New Encyclopedia of Mammals*. Oxford University Press, Oxford, UK.
- Macdonald, D. W. (2001b) Postscript: science, compromise and tough choices. In J. L. Gittleman, S. M. Funk, D. W. Macdonald, and R. K. Wayne (eds.), *Carnivore Conservation*, pp. 524–38. Cambridge University Press, Cambridge, UK.
- Macdonald, D. W. (2000) Bartering biodiversity: what are the options? In D. Helm (ed.), *Economic Policy: Objectives, Instruments and Implementation*, pp. 142–71. Oxford University Press, Oxford, UK.
- Macdonald, D. W. (1992) *The Velvet Claw*. BBC Books, London, UK.
- Macdonald, D. W. (1991) The pride of the farmyard. *BBC Wildlife Magazine*, **9**, 782–90.
- Macdonald, D. W. (1985) The carnivores: order Carnivora. In R. E. Brown and D. W. Macdonald (eds.), *Social Odours in Mammals*, pp. 619–722. Oxford University Press, Oxford, UK.
- Macdonald, D. W. (ed.) (1984) *The Encyclopedia of Mammals*. Unwin Hyman, London, UK.

- Macdonald, D. W. (1983) The ecology of carnivore social behaviour. *Nature*, **301**, 379–84.
- Macdonald, D. W. and Carr, G. M. (1989) Food security and the rewards of tolerance. In V. Standen and R. A. Folley (eds.), *Comparative Socioecology: The Behavioural Ecology of Humans and Other Mammals*, pp. 75–99. Blackwell Scientific Publications, Oxford, UK.
- Macdonald, D. W. and Courtenay, O. (1996) Enduring social relationships in a population of crab-eating zorros, *Cerdocyon thous*, in Amazonian Brazil (Carnivora, Canidae). *Journal of Zoology*, **292**, 329–55.
- Macdonald, D. W. and Johnson, P. J. (1996) The impact of sport hunting: a case study. In Dunstone, N. and Taylor, V. L. (eds.), *The Exploitation of Mammal Populations: 1994 Symposium of the Zoological Society of London*, pp. 160–207. Chapman and Hall, London, UK.
- Macdonald, D. W. and Sillero-Zubiri, C. (eds.) (2004a) *The Biology and Conservation of Wild Canids*. Oxford University Press, Oxford, UK.
- Macdonald, D. W. and Sillero-Zubiri, C. (2004b) Conservation: from theory to practice, without bluster. In D. W. Macdonald and C. Sillero-Zubiri (eds.), *The Biology and Conservation of Wild Canids*, pp. 353–72. Oxford University Press, Oxford, UK.
- Macdonald, D. W. and Sillero-Zubiri, C. (2004c) Wild canids—an introduction and dramatis personae. In D. W. Macdonald and C. Sillero-Zubiri (eds.), *The Biology and Conservation of Wild Canids*, pp. 3–36. Oxford University Press, Oxford, UK.
- Macdonald, D. W. and Tattersall, F. H. (2001) *Britain's Mammals: The Challenge for Conservation*. People's Trust for Endangered Species and Wildlife Conservation Research Unit, London and Oxford, UK.
- Macdonald, D. W., Collins, N. M., and Wrangham, R. (2007) Principles, practice and priorities: the quest for 'alignment'. In D. W. Macdonald and K. Service (eds.), *Key Topics in Conservation Biology*, pp. 271–89. Blackwell Publishing, Oxford, UK.
- Macdonald, D. W., Riordan, P., and Mathews, F. (2006) Biological hurdles to the control of TB in cattle: a test of two hypothesis concerning wildlife to explain the failure of control. *Biological Conservation*, **131**, 268–86.
- Macdonald, D. W., Buesching, C. D., Henderson, J., Ellwood, S. A., Baker, S. E., and Stopka, P. (2004a) Encounters between two sympatric carnivores: Red foxes (*Vulpes vulpes*) and European badgers (*Meles meles*). *Journal of Zoology*, **263**, 385–92.
- Macdonald, D. W., Creel, S., and Mills, G. (2004b) Society: canid society. In D. W. Macdonald and C. Sillero-Zubiri (eds.), *The Biology and Conservation of Wild Canids*, pp. 85–106. Oxford University Press, Oxford, UK.
- Macdonald, D. W., Daniels, M. J., Driscoll, C. A., Kitchener, A. C., and Yamaguchi, N. (2004c) *The Scottish Wildcat: Analyses for Conservation and an Action Plan*. Wildlife Conservation Research Unit, Oxford, UK.
- Macdonald, D. W., Loveridge, A. J., and Atkinson, R. P. D. (2004d) A comparative study of side-striped jackals *Canis adustus* in Zimbabwe: the influence of habitat and congeners. In D. W. Macdonald and C. Sillero-Zubiri (eds.), *The Biology and Conservation of Wild Canids*, pp. 255–70. Oxford University Press, Oxford, UK.
- Macdonald, D. W., Reynolds, J. C., Carbone, C., Mathews, F., and Johnson, P. J. (2003) The bioeconomics of fox control. In F. H. Tattersall and W. J. Manley (eds.), *Conservation and Conflict: Mammals and Farming in Britain*, pp. 220–36. Linnean Society Occasional Publication, Westbury Publishing, Yorkshire, UK.
- Macdonald, D. W., Moorhouse, T. P., Enck, J. W., and Tattersall, F. H. (2002) Mammals. In M. R. Perrow and A. J. Davy (eds.), *Handbook of Ecological Restoration*, pp. 389–408. Cambridge University Press, Cambridge, UK.
- Macdonald, D. W., Mace, G. M., and Rushton, S. P. (2000a) British mammals: is there a radical future? In A. Entwistle and N. Dunstone (eds.), *Priorities for the Conservation of Mammalian Diversity: Has the Panda Had Its Day?*, pp. 175–205. Cambridge University Press, Cambridge, UK.
- Macdonald, D. W., Stewart, P. D., Stopka, P., and Yamaguchi, N. (2000b) Measuring the dynamics of mammalian societies: an ecologist's guide to ethological methods. In L. Boitani and T. K. Fuller (eds.), *Research Techniques in Animal Ecology: Controversies and Consequences*, pp. 332–88. Columbia University Press, New York.
- Macdonald, D. W., Apps, P. J., Carr, G. M., and Kerby, G. (1987) Social dynamics, nursing coalitions and infanticide among farm cats, *Felis catus*. *Advances in Ethology*, **28**, 1–64.
- Macdonald, D. W., Yamaguchi, N., and Kerby, G. (2000c) Group-living in the domestic cat: its sociobiology and epidemiology. In D. C. Turner and P. Bateson (eds.), *The Domestic Cat: The Biology of Its Behaviour*, 2nd edn, pp. 95–118. Cambridge University Press, Cambridge, UK.
- Mace, G. M., Possingham, H. P., and Leader-Williams, N. (2007) Prioritizing choices in conservation. In D. W. Macdonald and K. Service (eds.), *Key Topics in Conservation Biology*, pp. 17–34. Blackwell Publishing Ltd, Oxford, UK.
- Mace, G. M., Possingham, H. P., and Leader-Williams, N. (2006) Prioritizing choices in conservation. In D. W. Macdonald and K. Service (eds.), *Key Topics in Conservation Biology*, pp. 17–34. Blackwell Publishing Ltd, Oxford, UK.
- Mace, G. M., Harvey, P. H., and Clutton-Brock, T. H. (1982) Vertebrate home range size and energetic requirements. In I. Swingland and P. J. Greenwood (eds.), *The Ecology of Animal Movement*, pp. 32–53. Oxford University Press, Oxford, UK.
- Machado, A. B. M., Martins, C. S., and Drummond, G. M. (2005) *Lista da fauna brasileira ameaçada de extinção*. Fundação Biodiversitas, Belo Horizonte, Brazil.
- Machr, D. S. (1997) *The comparative ecology of bobcat, black bear and Florida panther in South Florida*. PhD dissertation, University of Florida, Gainesville, FL.

- MacKenzie, D. I., Nichols, J. D., Royle, A. J., Pollock, K. H., Bailey, L. L., and Hines, J. E. (2006) *Occupancy Estimation and Modeling: Inferring Patterns and Dynamics of Species Occurrence*. Academic Press, Boston, MA.
- Mackinnon, J. and Mackinnon, K. (1986) Review of the protected areas system in the Afrotropical realm. IUCN, Gland, Switzerland and Cambridge, UK.
- MacLennan, S. D., Groom, R. J., Macdonald, D. W., and Frank, L. G. (2009) Evaluation of a compensation scheme to bring about pastoralist tolerance of lions. *Biological Conservation*, **142**, 2419–27.
- Maddison, W. P. and Maddison, D. R. (2004) Mesquite: a modular system for evolutionary analysis, Version 1.12. <www.mesquitoproject.org>.
- Maddox, T. M. (2003) *The ecology of cheetahs and other large carnivores in a pastoralist-dominated buffer zone*. PhD dissertation, University College London and Institute of Zoology, London, UK.
- Madhusudan, M. D. (2003) Living amidst large wildlife: livestock and crop depredation by large mammals in the interior villages of Bhadra Tiger Reserve, South India. *Environmental Management*, **31**, 466–75.
- Madhusudan, M. D. and Mishra, C. (2003) Why big fierce animals are threatened: conserving large mammals in densely populated landscapes. In V. Saberwal and M. Rangarajan (eds.), *Battles over Nature: Science and the Politics of Conservation*, pp. 31–55. Permanent Black, New Delhi, India.
- Maehr, D. S. and Caddick, G. B. (1995) Demographics and genetic introgression in the Florida Panther. *Conservation Biology*, **9**, 1295–8.
- Maehr, D. S., Lacy, R. C., Land, E. D., Bass, O. L., and Hocht, S. T. (2002a) Evolution of population viability assessments for the Florida panther: a multiperspective approach. In S. R. Beissinger and D. R. McCullough (eds.), *Population Viability Analysis*, pp. 284–311. University of Chicago Press, Chicago, IL.
- Maehr, D. S., Land, E. D., Shindle, D. B., Bass, O. L., and Hocht, T. S. (2002b) Florida panther dispersal and conservation. *Biological Conservation*, **106**, 187–97.
- Maehr, D. S., Greiner, E. C., Lanier, J. E., and Murphy, D. (1995) Notoedric mange in the Florida panther (*Felis concolor coryi*). *Journal of Wildlife Diseases*, **31**, 251–4.
- Maehr, D. S., Land, D., and Roof, J. C. (1991) Social ecology of Florida Panthers. *National Geographic Research & Exploration*, **7**, 414–31.
- Maehr, D. S., Belden, R. C., Land, E. D., and Wilkins, L. (1990) Food habits of panthers in southwest Florida. *Journal of Wildlife Management*, **54**, 420–3.
- Maffei, L., Noss, A. J., Silver, S. C. and Kelly, M. J. (in press) Jaguars in South and Central America. In A. F. O'Connell, J. D. Nichols, and K. U. Karanth (eds.), *Camera Traps in Animal Ecology: Methods and Analyses*. Springer Tokyo Inc.
- Maffei, L., Noss, A. J., Cuellar, E., and Rumiz, D. I. (2005) Ocelot (*Felis pardalis*) population densities, activity, and ranging behaviour in the dry forests of eastern Bolivia: data from camera trapping. *Journal of Tropical Ecology*, **21**, 349–53.
- Maffei, L., Cuellar, E., and Noss, A. (2004a) One thousand jaguars (*Panthera onca*) in Bolivia's Chaco? Camera trapping in the Kaa-Iya National Park. *Journal of Zoology*, **262**, 295–304.
- Maffei, L., Julio, R., Paredes, A., Posiño, A., and Noss, A. J. (2004b) *Estudios con trampas-cámara en el campamento Tucavaca III (18° 30.97' S, 60° 48.62' W), Parque Nacional Kaa-Iya del Gran Chaco, 28 de marzo-28 de mayo de 2004*. Technical Report No. 129, Wildlife Conservation Society, Santa Cruz, Bolivia.
- Major, A. T. (1989) *Lynx Lynx canadensis canadensis (Kerr) predation patterns and habitat use in the Yukon Territory, Canada*. MSc dissertation, State University of New York, Syracuse, NY.
- Major, M., Johnson, M. K., Davis, W. S., and Kellogg, T. F. (1980) Identifying scats by the recovery of bile acids. *Journal of Wildlife Management*, **44**, 290–3.
- Mallet, J. (2007) Species, concept of. In C. W. Fox and J. B. Wolf (eds.), *Evolutionary Genetics: Concepts and Case Studies*, pp. 367–73. Oxford University Press, Oxford, UK.
- Malmström, T. and Kröger, R. H. H. (2006) Pupil shapes and lens optics in the eyes of terrestrial vertebrates. *Journal of Experimental Biology*, **209**, 18–25.
- Manakadan, R. and Sivakumar, S. (2006) Rusty-spotted cat on India's east coast. *Cat News*, **45**, 26.
- Manfredi, C., Lucherini, M., and Casanave, E. B. (2007) Habitat use and selection of Geoffroy's cats (*Oncifelis geoffroyi*) in three areas of central Argentina. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 81. Wildlife Conservation Research Unit, Oxford, UK.
- Manfredi, C., Soler, L., Lucherini, M., and Casanave, E. B. (2006) Home range and habitat use by Geoffroy's cat (*Oncifelis geoffroyi*) in a wet grassland in Argentina. *Journal of Zoology*, **268**, 381–7.
- Manfredi, C., Lucherini, M., Casanave, E. B., and Canepuccia, A. D. (2004) Geographical variation in the diet of Geoffroy's cat (*Oncifelis geoffroyi*) in Pampas grassland of Argentina. *Journal of Mammalogy*, **85**, 1111–15.
- Manfredo, M. J. (2008) *Who Cares about Wildlife? Social Science Concepts for Exploring Human–Wildlife Relationships and Conservation Issues*. Springer, New York.
- Manfredo, M. J. and Dayer, A. A. (2001) Concept for exploring the social aspects of human–wildlife conflict in a global context. *Human Dimensions of Wildlife*, **9**, 1–20.
- Manfredo, M., Teel, T., and Bright, A. (2003) Why are public values toward wildlife changing? *Human Dimensions of Wildlife*, **8**, 287–306.
- Mangold, B. J., Cook, R. A., Cranfield, M. R., Huygen, K., and Godfrey, H. P. (1999) Detection of elevated levels of circulating antigen 85 by dot immunobinding assay in captive wild animals with tuberculosis. *Journal of Zoo and Wildlife Medicine*, **30**, 477–83.
- Manly, B. F. J., McDonald, L. L., and Thomas, D. L. (1993) *Resource Selection by Animals: Statistical Design and Analysis for Field Studies*. Chapman and Hall, London, UK.

- Manning, A. D., Lindemayer, D. B., and Fischer, J. (2006) Stretch goals and backcasting: approaches for overcoming barriers to large-scale ecological restoration. *Restoration Ecology*, **14**, 487–92.
- Mansfield, K. G. and Land, E. D. (2002) Cryptorchidism in Florida panthers: prevalence, features, and influence of genetic restoration. *Journal of Wildlife Diseases*, **38**, 693–8.
- Marchini, S. (2003) *Pantanal: opinião pública local sobre meio ambiente e desenvolvimento*. Wildlife Conservation Society and Mamiraua Institute, Rio de Janeiro, Brazil.
- Marchini, S. and Macdonald, D. W. (in prep-a). *Factors determining perceptions about jaguars in Brazil*.
- Marchini, S. and Macdonald, D. W. (in prep-b). *Conflicts between people and jaguars: from perceptions to persecution*.
- Marchini, S. and Macdonald, D. W. (submitted). Development of perceptions about jaguars among children and adolescents in Brazil: implications for conversion. *Biological Conservation*.
- Mares, M. A. and Ojeda, R. A. (1984) Faunal commercialisation and conservation in South America. *BioScience*, **34**, 580–4.
- Mares, R., Moreno, R. S., Kays, R. W., and Wikelski, M. (2008) Predispersal home range shift of an ocelot, *Leopardus pardalis* (Carnivora: Felidae) on Barro Colorado Island, Panama. *Revista de Biología Tropical*, **56**, 779–87.
- Marker-Kraus, L. (1997) Morphological abnormalities reported in Namibian cheetahs (*Acinonyx jubatus*). In *50th Anniversary Congress of VAN and 2nd African Congress of the WVA*, pp. 9–18. Veterinary Association of Namibia, Windhoek, Namibia.
- Marker-Kraus, L., Kraus, D., Barnett, D., and Hurlbut, S. (1996) *Cheetah Survival on Namibian Farmlands*. Cheetah Conservation Fund, Windhoek, Namibia.
- Marker, L. L. (2002) *Aspects of cheetah (Acinonyx jubatus) biology, ecology and conservation strategies on Namibian farmlands*. DPhil dissertation, University of Oxford, Oxford, UK.
- Marker, L. L. (2000) Aspects of the ecology of the cheetah (*Acinonyx jubatus*) on north central Namibian farmlands. *Namibia Scientific Society Journal*, **48**, 40–8.
- Marker, L. L. (1998) Current status of the cheetah. In B. L. Penzhorn (ed.), *Proceedings of a Symposium on Cheetahs as Game Ranch Animals*, pp. 1–17. Wildlife Group of South African Veterinary Association, Onderstepoort, South Africa.
- Marker, L. L. and Dickman, A. J. (2003) Morphology, physical condition and growth of the cheetah (*Acinonyx jubatus jubatus*). *Journal of Mammalogy*, **84**, 840–50.
- Marker, L. L. and Dickman, A. J. (2004a) Dental anomalies and incidence of palatal erosion in Namibian cheetahs (*Acinonyx jubatus jubatus*). *Journal of Mammalogy*, **85**, 19–24.
- Marker, L. L. and Dickman, A. J. (2004b) Human aspects of cheetah conservation: Lessons learned from the Namibian farmlands. *Human Dimension of Wildlife*, **9**, 297–305.
- Marker, L. L. and Dickman, A. J. (2005) Factors affecting leopard (*Panthera pardus*) spatial ecology, with particular reference to Namibian farmlands. *South African Journal of Wildlife Research*, **35**, 105–15.
- Marker, L. L., Dickman, A. J., Mills, M. G. L., Jeo, R. M., and Macdonald, D. W. (2008a) Spatial ecology of cheetahs (*Acinonyx jubatus*) on north-central Namibian farmlands. *Journal of Zoology*, **274**, 226–38.
- Marker, L. L., Pearks-Wilkerson, A. J., Martenson, J. S., et al. (2008c) Patterns of molecular genetic variation in Namibian cheetahs. *Journal of Heredity*, **99**, 2–13.
- Marker, L. L., Dickman, A. J., Wilkinson, C., Schumann, B., and Fabiano, E. (2007) The Namibia cheetah: status report. *Cat News Special Issue*, **3**, 5–13.
- Marker, L. L., Dickman, A. J., and Macdonald, D. W. (2005a) Perceived effectiveness of livestock guarding dogs placed on Namibian farms. *Rangeland Ecology and Management*, **58**, 329–36.
- Marker, L. L., Dickman, A. J., and Macdonald, D. W. (2005b) Survivorship and causes of mortality for livestock guarding dogs on Namibian Rangeland. *Rangeland Ecology and Management*, **58**, 337–43.
- Marker, L. L., Dickman, A. J., and Gannon, W. L. (2004) Dental anomalies and incidence of palatal erosion in Namibian cheetahs (*Acinonyx jubatus jubatus*). *Journal of Mammalogy*, **85**, 19–34.
- Marker, L. L., Dickman, A. J., Jeo, R. M., Mills, M. G. L., and Macdonald, D. W. (2003a) Demography of the Namibian cheetah (*Acinonyx jubatus jubatus*). *Biological Conservation*, **114**, 413–25.
- Marker, L. L., Dickman, A. J., Mills, M. G. L., and Macdonald, D. W. (2003b) Aspects of the management of cheetahs, *Acinonyx jubatus jubatus*, trapped on Namibian farmlands. *Biological Conservation*, **114**, 401–12.
- Marker, L. L., Mills, M. G. L., and Macdonald, D. W. (2003c) Factors influencing perceptions of conflict and tolerance towards cheetahs on Namibian farmlands. *Conservation Biology*, **17**, 1290–8.
- Marker, L. L., Munson, L., Basson, P. A., and Quackenbush, S. (2003d) Multicentric T-cell lymphoma associated with feline leukemia virus infection in a captive Namibian cheetah (*Acinonyx jubatus*). *Journal of Wildlife Diseases*, **39**, 690–5.
- Marker, L. L., Muntifering, J. R., Dickman, A. J., Mills, M. G. L., and Macdonald, D. W. (2003e) Quantifying prey preferences of free-ranging Namibian cheetahs. *South African Journal of Wildlife Research*, **33**, 43–53.
- Marnewick, K., Hayward, M. W., Cilliers, D. and Somers, M. J. (2009) Survival of cheetahs relocated from



- ranchland to fenced protected areas in South Africa. In M. W. Hayward and M. J. Somers (eds.) *The Reintroduction of Top-Order Predators*, pp. 282–306. Wiley-Blackwell Publishing, Oxford, UK.
- Marshall, L. G., Webb, S. D., Sepkoski, J. J., and Raup, D. M. (1982) Mammalian evolution and the great American interchange. *Science*, **215**, 1351–7.
- Martin-Atance, P., Leon-Vizcaino, L., Palomares, F., et al. (2006) Antibodies to *Mycobacterium bovis* in wild carnivores from Doñana National Park (Spain). *Journal of Wildlife Diseases*, **42**, 704–8.
- Martin, L. D. (1980) Functional morphology and the evolution of cats. *Transaction of the Nebraska Academy of Sciences*, **8**, 141–54.
- Martin, L. D., Babiarz, J. P., Naples, V. L., and Hearst, J. (2000) Three ways to be a saber-toothed cat. *Naturwissenschaften*, **87**, 41–4.
- Martin, R. A. and Harksen, J. C. (1974) The Delmont local fauna, Blancan of South Dakota. *Bulletin of the New Jersey Academy of Sciences*, **19**, 11–17.
- Martin, R. B. and de Meulenaer, T. (1988) *Survey of the Status of the Leopard (Panthera pardus) in Sub-Saharan Africa*. Secretariat for the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), Lausanne, Switzerland.
- Mascia, M. B., Brosius, J. P., Dobson, T. A., et al. (2003) Conservation and the social sciences. *Conservation Biology*, **17**, 649–50.
- Mason, L. L. (1988) *World Dictionary of Livestock Breeds*, 3rd edn. CAB International, Oxford, UK.
- Massolo, A. and Meriggi, A. (1998) Factors affecting habitat occupancy by wolves in northern Apennines (northern Italy): a model of habitat suitability. *Ecography*, **21**, 97–107.
- Masuda, R., Lopez, J. V., Slattery, J. P., Yuhki, N., and O'Brien, S. J. (1996) Molecular phylogeny of mitochondrial cytochrome b and 12S rRNA sequences in the Felidae: ocelot and domestic cat lineages. *Molecular Phylogenetics and Evolution*, **6**, 351–65.
- Mathews, F., Moro, D., Strachan, R., Gelling, M., and Buller, N. (2006) Health surveillance in wildlife reintroductions. *Biological Conservation*, **131**, 338–47.
- Mattern, M. Y. and McLennan, D. A. (2000) Phylogeny and speciation of felids. *Cladistics*, **16**, 232–53.
- Matthew, W. D. (1910) The phylogeny of Felidae. *Bulletin of the American Museum of Natural History*, **28**, 289–316.
- Mattson, D. J. (2004) Living with fierce creatures? An overview and models of mammalian carnivore conservation. In N. Fascione, A. Delach, and M. E. Smith (eds.), *People and Predators: From Conflict to Coexistence*, pp. 151–76. Island Press, Washington DC.
- Matyushkin, Y. N. and Vaisfeld, M. (2003) *The Lynx—Regional Features of Ecology, Use and Protection*. Nauka, Moscow, Russia.
- Matzke, G. (1979) Settlement and sleeping sickness control—dual threshold model of colonial and traditional methods in East Africa. *Social Science & Medicine Part D—Medical Geography*, **13**, 209–14.
- May, R. M. and Anderson, R. M. (1979) Population biology of infectious diseases. 2. *Nature*, **280**, 455–61.
- Mayr, E. (1970) *Population, Species and Evolution*. Harvard University Press, Cambridge, MA.
- Mayr, E. (1942) *Systematics and the Origin of Species*. Columbia University Press, New York.
- Mazák, V. (1996) *Der Tiger*. Westarp Wissenschaften, Magdeburg, Germany.
- Mazák, V. (1983) *Der Tiger: Panthera Tigris Linnaeus 1758*, 3rd edn. A. Ziemsen, Wittenberg Lutherstadt, Germany.
- Mazák, V. (1981) Mammalian Species, *Panthera Tigris*. *The American Society of Mammalogists*, **152**, 1–8.
- Mazzoli, M., Graipel, M. E., and Dunstone, N. (2002) Mountain lion depredation in southern Brazil. *Biological Conservation*, **105**, 43–51.
- McBride, R. T., McBride, R. T., McBride, R. M., and McBride, C. E. (2008) Counting pumas by categorizing physical evidence. *Southeastern Naturalist*, **7**, 381–400.
- McBurney, S., Banks, D., and Anderson, D. R. (1998) Morbillivirus infection in four lynx. *Journal of Wildlife Diseases*, **34**, 1.
- McCarthy, K. P., Fuller, T. K., Ma, M., McCarthy, T. M., Waits, L., and Jumabaev, K. (2008) Assessing estimators of snow leopard abundance. *Journal of Wildlife Management*, **72**, 1826–33.
- McCarthy, T. M. (2000) *Ecology and conservation of snow leopards, Gobi brown bears, and wild bactrian camels in Mongolia*. PhD dissertation, University of Massachusetts, Amherst, MA.
- McCarthy, T. M. and Chapron, G. (2003) *Snow Leopard Survival Strategy*. International Snow Leopard Trust and Snow Leopard Network, Seattle, WA.
- McCarthy, T. M., Khan, J. and McCarthy, K. (2007) First study of snow leopards using GPS-satellite collars underway in Pakistan. *Cat News*, **46**, 22–3.
- McCarthy, T. M., Fuller, T. K., and Munkhtsog, B. (2005) Movements and activities of snow leopards in southwestern Mongolia. *Biological Conservation*, **124**, 527–37.
- McCleery, R. A., Ditton, R. B., Sell, J., and Lopez, R. R. (2006) Understanding and improving attitudinal research in wildlife sciences. *Wildlife Society Bulletin*, **34**, 537–41.
- McComb, K., Packer, C., and Pusey, A. (1994) Roaring and numerical assessment in contests between groups of female lions, *Panthera leo*. *Animal Behaviour*, **47**, 379–87.
- McComb, K., Pusey, A., Packer, C., and Grinnell, J. (1993) Female lions can identify potentially infanticidal males from their roars. *Proceedings of the Royal Society of London Series B*, **252**, 59–64.
- McCord, C. M. and Cardoza, J. E. (1982) Bobcat and Lynx. In J. A. Chapman and G. A. Feldhamer (eds.), *Wild Mammals*

- of North America: Biology, Management and Economics, pp. 728–66. The John Hopkins University Press, Baltimore, MD.
- McCown, J. W., Roelke, M. E., Forrester, D. J., Moore, C. T., and Roboski, J. C. (1991) Physiological evaluation of two white-tailed deer herds in southern Florida. *Proceedings of the Annual Conference of Southeastern Fish and Wildlife Agencies*, **45**, 81–90.
- McDougal, C. W. (1993) Man-eaters: A geographical and historical perspective. *Hornbill*, **1**, 10–16.
- McDougal, C. (1991) Chuchchi: Life of a tigress. In J. Seidensticker and S. Lumpkin (eds.), *Great Cats*, p. 104. Roedale Press, Emmaus, PA.
- McDougal, C. (1988) Leopard and tiger interactions at Royal Chitwan National Park, Nepal. *Journal of the Bombay Natural History Society*, **85**, 609–10.
- McDougal, C. (1977) *The Face of the Tiger*. Rivington Books, London, UK.
- McDougal, C. and Tshering, K. (1998) *Tiger Conservation Strategy for the Kingdom of Bhutan*. Nature Conservation Division, Royal Government of Bhutan and WWF Bhutan, Thimphu, Bhutan.
- McGregor, P. K. and Peake, T. M. (1998) Individual identification and conservation biology. In T. M. Caro (ed.), *Behavioural Ecology and Conservation*, pp. 31–55. Oxford University Press, Oxford, UK.
- McHenry, C. R., Wroe, S., Clausen, P. D., Moreno, K., and Cunningham, E. (2007) Supermodelled sabercat, predatory behavior in *Smilodon fatalis* revealed by high-resolution 3D computer simulation. *Proceedings of the National Academy of Sciences of the United States of America*, **104**, 16010–15.
- McIntosh, A., Sibanda, S., Vaughan, A., and Xaba, T. (1996) Traditional authorities and land reform in South Africa: lessons from KwaZulu-Natal. *Development Southern Africa*, **13**, 3.
- McKelvey, K. S., Von Kienast, J., Aubry, K. B., et al. (2006) DNA analysis of hair and scat collected along snow tracks to document the presence of Canada lynx. *Wildlife Society Bulletin*, **34**, 451–5.
- McKelvey, K. S., Aubry, K. B., and Ortega, Y. K. (2000a) History and distribution of lynx in the contiguous United States. In L. F. Ruggiero, S. W. Buskirk, G. M. Koehler, C. J. Krebs, and J. R. Squires (eds.), *Ecology and Conservation of Lynx in the United States*, pp. 207–64. University Press of Colorado, Boulder, CO.
- McKelvey, K. S., Buskirk, S. W., and Krebs, C. J. (2000b) Theoretical insights into the population viability of lynx. In L. F. Ruggiero, K. B. Aubry, S. W. Buskirk, et al. (eds.), *Ecology and Conservation of Lynx in the United States*, pp. 21–37. University Press of Colorado, Boulder, CO.
- McKelvey, K. S., Ortega, Y. K., Koehler, G. M., Aubry, K. B., and Brittell, J. D. (2000c) Canada lynx habitat and topographic use patterns in north central Washington: a re-analysis. In L. F. Ruggiero, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires (eds.), *Ecology and Conservation of Lynx in the United States*, pp. 307–36. University Press of Colorado, Boulder, CO.
- McKenzie, A. A. and Burroughs, R. E. J. (1993) Chemical capture of carnivores. In A. A. McKenzie (ed.), *The Capture and Care Manual*, pp. 224–44. Wildlife Decision Support Services and South African Veterinary Foundation, Pretoria, South Africa.
- McLaughlin, R. T. (1970) *Aspects of the biology of the cheetah (Acinonyx jubatus, Schreber) in Nairobi National Park*. MSc dissertation, University of Nairobi, Nairobi, Kenya.
- McMahan, L. R. (1986) The international cat trade. In S. D. Miller and D. D. Everett (eds.), *Cats of the World: Biology, Conservation and Management*, pp. 461–88. National Wildlife Federation, Washington DC.
- McManus, J. S. (2009) *The spatial ecology and activity patterns of leopard (Panthera pardus) in the Baviaanskloof and Greater Addo Elephant National Park*. MSc dissertation, Rhodes University, Grahamstown, South Africa.
- McMullen, J. P. (1984) *Cry of the Panther: Quest of a Species*. Pineapple Press, Englewood, NJ.
- McOrist, S., Boid, R., Jones, T. W., Easterbee, N., Hubbard, A. L., and Jarrett, O. (1991) Some viral and protozoal diseases in the European wildcat (*Felis silvestris*). *Journal of Wildlife Diseases*, **27**, 693–6.
- McPhee, M. E. (2004) Generations in captivity increases behavioral variance: considerations for captive breeding and reintroduction programs. *Biological Conservation*, **115**, 71–7.
- Meachen-Samuels, J. and Van Valkenburgh, B. (2009a) Forelimb indicators of prey-size preference in the Felidae. *Journal of Morphology*, **270**, 729–44.
- Meachen-Samuels, J. and Van Valkenburgh, B. (2009b) Craniodental indicators of prey size preference in the Felidae. *Biological Journal of the Linnean Society*, **96**, 784–99.
- Mech, L. D. (1977) Record movement of a Canadian lynx. *Journal of Mammalogy*, **58**, 676–7.
- Mech, L. D. (1981) *The Wolf: The Ecology and Behavior of an Endangered Species*. University of Minnesota Press, Minneapolis, MN.
- Mech, L. D. (1980) Age, sex, reproduction, and spatial organization of lynxes colonizing northeastern Minnesota. *Journal of Mammalogy*, **61**, 261–7.
- Mech, L. D. and Goyal, S. M. (1993) Canine parvovirus effect on wolf population change and pup survival. *Journal of Wildlife Diseases*, **29**, 330–3.
- Meerman, J. C. and Sabido, W. (2001) *Central American Ecosystems Map: Belize*. Programme for Belize, Belize.
- Meijaard, E. (1997) The bay cat *Catopuma badia*, a widely spread, but rare, species in Borneo. The International MOF Tropenbos-Kalimantan Project, Balikpapan, Indonesia.
- Meijaard, E., Prakoso, B. B., and Azis (2005a) A new record for the Bornean bay cat. *Cat News*, **43**, 23–4.
- Meijaard, E., Sheil, D., and Daryono (2005b) Flat-headed cat record in east Kalimantan. *Cat News*, **43**, 24.

- Meli, M. L., Cattori, V., Martínez, F., *et al.* (2009) Feline leukemia virus and other pathogens as important threats to the survival of the critically endangered Iberian lynx (*Lynx pardinus*). *PLoS ONE* **4**, e4744, doi:10.1371.
- Meli, M., Willi, B., Rysler-Degiorgis, M.-P., *et al.* (2006) Prevalence of selected feline pathogens in the Eurasian and Iberian lynx. In *Iberian Lynx Ex-Situ Conservation Seminar Series: Book of Proceedings*, pp. 28–32. Fundacion Biodiversidad, Sevilla and Doñana, Spain.
- Melisch, R., Asmoro, P. B., Lubis, I. R., and Kusumawardhani, L. (1996) Distribution and status of the Fishing Cat (*Prionailurus viverrinus rhizophoreus* Sody, 1936) in West Java, Indonesia (Mammalia: Carnivora: Felidae). *Faunistische Abhandlungen, Staatliches Museum fuer Tierkunde Dresden*, **20**, 311–19.
- Mellen, J. D. (1993) A comparative-analysis of scent-marking, social and reproductive-behavior in 20 species of small cats (*Felis*). *American Zoologist*, **33**, 151–66.
- Mellen, J. D. (1989) *Reproductive behavior of small captive exotic cats (Felis spp)*. PhD dissertation, University of California, Davis, CA.
- Mellen, J. D. and Shepherdson, D. J. (1997) Environmental enrichment for felids: an integrated approach. *International Zoo Yearbook*, **35**, 191–7.
- Melton, D. A., Berry, H. H., Berry, C. U., and Joubert, S. M. (1987) Aspects of the blood chemistry of wild lions, *Panthera leo*. *South African Journal of Zoology*, **22**, 40–4.
- Melville, H. and Bothma, J. D. P. (2007) Using spoor techniques to examine the hunting behaviour of caracals in the Kgalagadi Transfrontier Park. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 57. Wildlife Conservation Research Unit, Oxford, UK.
- Mendelssohn, H. (1989) Felids in Israel. *Cat News*, **10**, 2–4.
- Menotti-Raymond, M. and O'Brien, S. J. (1995) Hypervariable genomic variation to reconstruct the natural history of populations: Lessons from the big cats. *Electrophoresis*, **16**, 1771–4.
- Menotti-Raymond, M. and O'Brien, S. J. (1993) Dating the genetic bottleneck of the African cheetah. *Proceedings of the National Academy of Sciences of the United States of America*, **90**, 3172–6.
- Meriggi, A. and Lovari, S. (1996) A review of wolf predation in southern Europe: does the wolf prefer wild prey to livestock? *Journal of Applied Ecology*, **33**, 1561–71.
- Merino, M. J. (2006) *Conservemos el gato andino y su hábitat: Guía para Educadores*. Andean Cat Alliance, Bahía Blanca, Argentina.
- Merola, M. (1994) A reassessment of homozygosity and the case for inbreeding depression in the cheetah, *Acinonyx jubatus*: implications for conservation. *Conservation Biology*, **8**, 961–71.
- Meynell, P. J. and Parry, D. (2002) *Environmental Appraisal for the Construction of a Game Proof Fence around the Makgadikgadi Pans National Park*. Scott Wilson Kirkpatrick & Partners, Gaborone, Botswana.
- Michalski, F., Boulhosa, R. L. P., Faria, A., and Peres, C. A. (2006a) Human–wildlife conflicts in a fragmented Amazonian forest landscape: determinants of large felid depredation on livestock. *Animal Conservation*, **9**, 179–88.
- Michalski, F., Crawshaw, P. G., Oliveira, T. G., de, and Fabian, M. E. (2006b) Notes on home range and habitat use of three small carnivore species in a disturbed vegetation mosaic of southeastern Brazil. *Mammalia*, **70**, 52–7.
- Michalski, F. and Peres, C. A. (2005) Anthropogenic determinants of primate and carnivore local extinctions in a fragmented forest landscape of southern Amazonia. *Biological Conservation*, **124**, 383–96.
- Michel, A. L., Bengis, R. G., Keet, D. F., *et al.* (2006) Wildlife tuberculosis in South African conservation areas: implications and challenges. *Veterinary Microbiology*, **112**, 91–100.
- Millán, J., Candela, M. G., Palomares, F., *et al.* (2009) Disease threats to the endangered Iberian lynx (*Lynx pardinus*). *The Veterinary Journal*, **182**, 114–24.
- Millán, J., Naranjo, V., Rodriguez, A., de la Lastra, J. M. P., Mangold, A. J., and de la Fuente, J. (2007) Prevalence of infection and 18S rRNA gene sequences of *Cytauxzoon* species in Iberian lynx (*Lynx pardinus*) in Spain. *Parasitology*, **134**, 995–1001.
- Millennium Ecosystem Assessment (2005) *Ecosystems and Human Well-Being: Synthesis*. Island Press, Washington DC.
- Miller, B., Biggins, D., Hanebury, L., and Vargas, A. (1994) Reintroduction of the black-footed ferret. In G. M. Mace, P. J. Olney, and A. Feistner (eds.), *Creative Conservation: Interactive Management of Wild and Captive Animals*, pp. 455–64. Chapman and Hall, London, UK.
- Miller, C. M. (2006) Jaguar density in Fireburn, Belize. Unpublished report, Wildlife Conservation Society, Gallon Jug, Belize.
- Miller, G. J. (1969) A new hypothesis to explain the method of food ingestion used by *Smilodon californicus* Bovard. *Tebiwa*, **12**, 9–19.
- Miller, G. S. (1912a) *Catalogue of the Mammals of Western Europe (Europe Exclusive of Russia) in the Collection of the British Museum*. British Museum, London, UK.
- Miller, G. S. (1912b) *Lynx pardelus* Miller. In *Catalogue of the Mammals of Western Europe*, pp. 475–80. British Museum, London, UK.
- Millington, A. C., Walsh, S. J., and Osborne, P. E. (eds.) (2001) *GIS and Remote Sensing Applications in Biogeography and Ecology*. Springer-Verlag, New York.
- Mills, J. A. and Jackson, P. (1994) *Killed for a Cure: A Review of the Worldwide Trade in Tiger Bone*. TRAFFIC Report, Cambridge, UK.
- Mills, L. S., Pilgrim, K. L., Schwartz, M. K., and McKelvey, K. (2000) Identifying lynx and other North American felids based on mtDNA analysis. *Conservation Genetics*, **1**, 285–8.

- Mills, M. G. L. (1996) Methodological advances in capture, census, and food-habits studies of large African carnivores. In J. L. Gittleman (ed.), *Carnivore Behaviour, Ecology, and Evolution*, pp. 223–42. Cornell University Press, Ithaca, NY.
- Mills, M. G. L. (1992) A comparison of methods used to study food habits of large African carnivores. In D. R. McCullough and R. H. Barrett (eds.), *Wildlife 2001: Populations*, pp. 1112–24. Elsevier, New York.
- Mills, M. G. L. (1991) Conservation management of large carnivores in Africa. *Koedoe*, **34**, 81–90.
- Mills, M. G. L. (1990) *Kalahari Hyaenas: Comparative Behavioural Ecology of Two Species*. The Blackburn Press, Caldwell, NJ.
- Mills, M. G. L. (1984) Prey selection and feeding habits of the large carnivores in the southern Kalahari. *Koedoe*, **27**, 281–94.
- Mills, M. G. L. and Biggs, H. C. (1993) Prey apportionment and related ecological relationships between large carnivores in Kruger National Park. In N. Dunstone and M. L. Gorman (eds.), *Mammals as Predators*, pp. 253–68. Symposium of the Zoological Society of London, No. 65, London, UK.
- Mills, M. G. L. and Retief, P. F. (1984) The response of ungulates to rainfall along riverbeds of the southern Kalahari, 1972–1982. *Koedoe*, **27**, 129–42.
- Mills, M. G. L. and Shenk, T. M. (1992) Predator–prey relationships: the impact of lion predation on wildebeest and zebra populations. *Journal of Animal Ecology*, **61**, 693–702.
- Mills, M. G. L., Broomhall, L. S., and Du Toit, J. T. (2004) Cheetah *Acinonyx jubatus* feeding ecology in the Kruger National Park and a comparison across African savanna habitats: is the cheetah only a successful hunter on open grassland plains? *Wildlife Biology*, **10**, 177–86.
- Mills, M. G. L., Juritz, J. M., and Zucchini, W. (2001) Estimating the size of spotted hyaena (*Crocuta crocuta*) populations through playback recordings allowing for non-response. *Animal Conservation*, **4**, 335–43.
- Mills, M. G. L., Biggs, H. C., and Whyte, I. J. (1995) The relationship between rainfall, lion predation and population trends in African herbivores. *Wildlife Research*, **22**, 75–87.
- Mills, M. G. L. and Gorman, M. L. (1997) Factors affecting the density and distribution of wild dogs in the Kruger National Park. *Conservation Biology*, **11**, 1397–406.
- Millward, I. R. and Williams, M. C. (2005) *Cryptococcus neoformans granuloma* in the lung and spinal cord of a free-ranging cheetah (*Acinonyx jubatus*). A clinical report and literature review. *Journal of the South African Veterinary Association*, **76**, 228–32.
- Miquelle, D. G. and Zhang, E. (2005) A proposed international system of protected areas for Amur tigers. In *Recovery of the Wild Amur Tiger Population in China: Progress and Prospect: Proceedings of the 2000 International Workshop on Wild Amur Tiger Population Recovery Action Plan, Harbin, China and the 2002 National Workshop on Progress of Wild Amur Tiger Population Recovery Action, Hunchun, China.*, pp. 164–70. China Forestry Publishing House, Beijing, China.
- Miquelle, D. G., Goodrich, J. M., Kerley, L. L., et al. (in press) Science-based conservation of amur tigers in Russian Far East and northeast China. In R. Tilson and P. Nyhus (eds.), *Tigers of the World*. Elsevier, New York.
- Miquelle, D. G., Pikunov, D. G., Dunishenko, Y. M., et al. (2007) 2005 Amur tiger census. *Cat News*, **46**, 11–14.
- Miquelle, D. G., Pikunov, D. G., Dunishenko, Y. M., et al. (2006) *A Theoretical Basis for Surveys of Amur Tigers and their Prey Base in the Russian Far East*. DalNauka, Vladivostok, Russia.
- Miquelle, D. G., Nikolaev, I., Goodrich, J. M., Litvinov, B., Smirnov, E. N., and Suvorov, E. (2005a) Seaching for the coexistence recipe: a case study of conflicts between people and tigers in the Russian Far East. In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict or Coexistence?*, pp. 305–22. Cambridge University Press, Cambridge, UK.
- Miquelle, D. G., Smirnov, E. N., Salkina, G. P., and Abramov, V. K. (2005b) The importance of protected areas in Amur tiger conservation: a comparison of tiger and prey abundance in protected areas versus unprotected areas. In I. V. Potikha, D. G. Miquelle, M. N. Gromyko, et al. (eds.) *Results of Protection and Research of the Sikhote-Alin Natural Landscape. Papers Presented at the International Science and Management Conference devoted to the 70th Anniversary of the Sikhote-Alin State Reserve, Terney, Primorskiy Region, September 20–23, 2005*. Primpoligraphkombinat, Vladivostok, Russia.
- Miquelle, D. G., Stevens, P. A., Smirnov, E. N., Goodrich, J. M., Zaumyslava, O. J., and Myslenkov, A. E. (2005c) Competitive exclusion, functional redundancy, and conservation implications: tigers and wolves in the Russian Far East. In J. Ray, K. Redford, R. S. Steneck, and J. Berger (eds.), *Large Carnivores and the Conservation of Biodiversity*, pp. 179–207. Island Press, Washington DC.
- Miquelle, D. G., Merrill, T. W., Dunishenko, Y. M., et al. (1999a) A habitat protection plan for the Amur tiger: developing political and ecological criteria for a viable land-use plan. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human Dominated Landscapes*, pp. 273–95. Cambridge University Press, Cambridge, UK.
- Miquelle, D. G., Smirnov, E. N., Merrill, T. W., Myslenkov, A. E., Quigley, H. B., and Hornocker, M. G. (1999b) Hierarchical spatial analysis of Amur tiger relationships to habitat and prey. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human Dominated Landscapes*, pp. 71–99. Cambridge University Press, Cambridge, UK.
- Miquelle, D. G., Smirnov, E. N., Quigley, H. B., Hornocker, M. G., Nikolaev, E. G., and Matyushkin, E. N. (1996) Food

- habits of Amur tigers in Sikhote-Alin Zapovednik and the Russian Far East, and implications for conservation. *Journal of Wildlife Research*, **1**, 138–47.
- Miric, D. (1978) *Lynx lynx martinoi* ssp *nova* (Carnivora, Mammalia)—neue Luchsunterart von der Balkanhalbinsel. *Bulletin du Museum d'Histoire Naturelle*, **33**, 29–36.
- Mirutenko, V. S. (1986) Reliability of the analysis of route surveys of game animals. In A. M. Amirkhanov (ed.), *Issues of Game Animal Censuses*, pp. 21–8. Central Research Laboratory of Glavokhota, Moscow, Russia.
- Mishra, C. (2003) Fur trade and the snow leopard in Afghanistan. *CMS Bulletin*, **17**, 4–5.
- Mishra, C. (2001) *High altitude survival: conflicts between pastoralism and wildlife in the Trans-Himalaya*. PhD dissertation, Wageningen University, Wageningen, the Netherlands.
- Mishra, C. (2000) Socioeconomic transition and wildlife conservation in the Indian trans-Himalaya. *Journal of the Bombay Natural History Society*, **97**, 25–32.
- Mishra, C. (1997) Livestock depredation by large carnivores in the Indian trans-Himalaya: conflict perceptions and conservation prospects. *Environmental Conservation*, **24**, 338–43.
- Mishra, C. and Fitzherbert, A. (2004) War and wildlife: a post-conflict assessment of Afghanistan's Wakhan Corridor. *Oryx*, **38**, 102–5.
- Mishra, C., Madhusudan, M. D., and Datta, A. (2006) Mammals of the high altitudes of western Arunachal Pradesh, eastern Himalaya: an assessment of threats and conservation needs. *Oryx*, **40**, 29–35.
- Mishra, C., Bagchi, S., Namgail, T., and Bhatnagar, Y.V. (2010) Multiple use of Trans Himalayan Rangelands: reconciling human livelihoods with wildlife conservation, pp. 291–311. In: du Toit, J.T, Kock, R. and Deutsch (Eds.) *Wild Rangelands: Conserving Wildlife While Maintaining Livestock in Semi-Arid Ecosystems*. ZSL, CS & Wiley-Blackwell, Chennai. 424p.
- Mishra, C., Van Wieren, S. E., Ketner, P., Heitkonig, I. M. A., and Prins, H. H. T. (2004) Competition between domestic livestock and wild bharal *Pseudois nayaur* in the Indian Trans-Himalaya. *Journal of Applied Ecology*, **41**, 344–54.
- Mishra, C., Allen, P., McCarthy, T., Madhusudan, M. D., Bayarjargal, A., and Prins, H. H. T. (2003a) The role of incentive programs in conserving the snow leopard *Uncia uncia*. *Conservation Biology*, **17**, 1512–20.
- Mishra, C., Prins, H. H. T., and Van Wieren, S. E. (2003b) Diversity, risk mediation, and change in a trans-Himalayan agropastoral system. *Human Ecology*, **31**, 595–609.
- Mishra, C., Van Wieren, S. E., Heitkonig, I. M. A., and Prins, H. H. T. (2002) A theoretical analysis of competitive exclusion in a Trans-Himalayan large-herbivore assemblage. *Animal Conservation*, **5**, 251–8.
- Mishra, C., Prins, H. H. T., and van Wieren, S. E. (2001) Overstocking in the trans-Himalayan rangelands of India. *Environmental Conservation*, **28**, 279–83.
- Mishra, H. R. and Wemmer, C. (1987) Comparative breeding ecology of four cervids in Royal Chitwan National Park, Nepal. In C. Wemmer (ed.), *Biology and Management of the Cervidae*, pp. 259–71. Smithsonian Institution Press, Washington, DC.
- Miththapala, S., Seidensticker, J., and O'Brien, S. J. (1996) Phylogeographic subspecies recognition in leopards (*Panthera pardus*): molecular genetic variation. *Conservation Biology*, **10**, 1115–32.
- Mitra, B. (2006) *Sell the Tiger to Save It*. *New York Times*, 15 Aug. New York.
- Mittermeier, R., Kormos, C. F., Mittermeier, C., Robles Gil, P., Sandwith, T., and Besançon, C. (eds.) (2005) *Transboundary Conservation: A New Vision for Protected Areas*. CEMEX/Conservation International, Arlington, VA.
- Mizutani, F. (1999) Impact of leopards on a working ranch in Laikipia, Kenya. *African Journal of Ecology*, **37**, 211–25.
- Mizutani, F. (1997) Can livestock ranches and leopards co-exist? A case study in Kenya. In B. L. Penzhorn (ed.), *Proceedings of a Symposium on Lions and Leopards as Game Ranch Animals*, pp. 1–25. Onderstepoort, South Africa.
- Mizutani, F. and Jewell, P. A. (1998) Home range and movements of leopards (*Panthera pardus*) on a livestock ranch in Kenya. *Journal of Zoology*, **244**, 269–86.
- Mlengeya, T. D. K., Muangirwa, C., Mlengeya, M. M., Kimaro, E., Msangi, S., and Sikay, M. (2002) Control of sleeping sickness in northern parks of Tanzania. In *Proceedings of the 3rd Annual Scientific Conference of the Tanzania Wildlife Research Institute, Arusha, December 3–5, 2002*, pp. 274–82.
- Moa, P. F., Herfindal, I., Linnell, J. D. C., Overskaug, K., Kvam, T., and Andersen, R. (2006) Does the spatiotemporal distribution of livestock influence forage patch selection in Eurasian lynx, *Lynx lynx*. *Wildlife Biology*, **12**, 63–70.
- Mochizuki, M., Hiragi, H., Sueyoshi, M., et al. (1996) Antigenic and genomic characteristics of parvovirus isolated from a lion (*Panthera leo*) that died of feline panleukopenia. *Journal of Zoo and Wildlife Medicine*, **27**, 416–20.
- Mochizuki, M., Akuzawa, M., and Nagatomo, H. (1990) Serological survey of the Iriomote cat (*Felis iriomotensis*) in Japan. *Journal of Wildlife Diseases*, **26**, 236–45.
- Moehrenschrager, A. and List, R. (1996) Comparative ecology of North American prairie foxes—conservation through collaboration. In D. W. Macdonald and F. Tattersall (eds.), *The WildCru Review*, pp. 22–8. Wildlife Conservation Research Unit, Oxford, UK.
- Moehrenschrager, A., Cypher, B., Ralls, K., Sovada, M. A., and List, R. (2004) Comparative ecology and conservation priorities of swift and kit foxes. In D. W. Macdonald and C. Sillero-Zubiri (eds.), *The Biology and Conservation of Wild Canids*, pp. 185–98. Oxford University Press, Oxford, UK.

- Mohr, C. O. (1947) Table of equivalent populations of North American small mammals. *American Midland Naturalist*, **37**, 223–49.
- Molia, S., Chomel, B. B., Kasten, R. W., *et al.* (2004) Prevalence of *Bartonella* infection in wild African lions (*Panthera leo*) and cheetahs (*Acinonyx jubatus*). *Veterinary Microbiology*, **100**, 31–41.
- Molinari-Jobin, A., Zimmermann, F., Ryser, A., *et al.* (2007) Does lynx home range size adjust to prey abundance in Switzerland. *Wildlife Biology*, **13**, 393–405.
- Molinari-Jobin, A., Molinari, P., Loison, A., Gaillard, J. M., and Breitenmoser, U. (2004) Life cycle period and activity of prey influence their susceptibility to predators. *Ecography*, **27**, 323–9.
- Molinari-Jobin, A., Molinari, P., Breitenmoser-Würsten, C., and Breitenmoser, U. (2002) Significance of lynx *Lynx lynx* predation for roe deer *Capreolus capreolus* and chamois *Rupicapra rupicapra* mortality in the Swiss Jura Mountains. *Wildlife Biology*, **8**, 109–15.
- Molteno, A. J., Sliwa, A., and Richardson, P. R. K. (1998) The role of scent marking in a free-ranging, female black-footed cat (*Felis nigripes*). *Journal of Zoology*, **245**, 35–41.
- Mondolfi, E. (1986) Notes on the biology and status of the small wild cats in Venezuela. In S. D. Miller and D. D. Everett (eds.), *Cats of the World: Biology, Conservation, and Management*, pp. 125–46. National Wildlife Federation, Washington DC.
- Monies, B., de la Rúa, R., and Jahans, K. (2006) Bovine tuberculosis in cats. *Veterinary Record*, **158**, 490–1.
- Monroy-Vilchis, O. and Velazquez, A. (2003) Regional distribution and abundance of bobcats (*Lynx rufus escuinape*) and coyotes (*Canis latrans cagottis*), as measured by scent stations: a spatial approach. *Ciencias Naturales y Agropecuarias*, **9**, 293–300.
- Montali, R. J., Mikota, S. K., and Cheng, L. I. (2001) *Mycobacterium tuberculosis* in zoo and wildlife species. *Revue Scientifique et Technique de l'Office International des Epizooties*, **20**, 291–303.
- Moolman, L. C. (1986) *Aspekte van die ekologie en gedrag van die rooikat Felis caracal Schreber, 1776 in the Mountain Zebra National Park and surrounding farms* (in Afrikaans). MSc dissertation, University of Pretoria, Pretoria, South Africa.
- Morais, R. N., Mucciolo, R. G., Gomes, M. L. F., *et al.* (2002) Seasonal analysis of semen characteristics, serum testosterone and fecal androgens in the ocelot (*Leopardus pardalis*), margay (*L. wiedii*) and tigrina (*L. tigrinus*). *Theriogenology*, **57**, 2027–41.
- Morales, J., Pickford, M., Fraile, S., Salesa, M. J., and Soria, D. (2003a) Creodonta and Carnivora from Arrisdrift, early Middle Miocene of southern Namibia. *Memoirs of the Geological Survey of Namibia*, **19**, 177–94.
- Morales, J., Soria, D., Montoya, P., Pérez, B. and Salesa, M. J. (2003b) *Caracal depereti* nov. sp. and *Felis* aff. *silvestris* (Felidae, Mammalia) of the lower Pliocene of Layna (Soria, Spain). *Estudios Geológicos*, **59**, 229–47.
- Morales, J., Salesa, M. J., Pickford, M., and Soria, D. (2001) A new tribe, new genus and two new species of Barbourofelinae (Felidae, Carnivora, Mammalia) from the early Miocene of East Africa and Spain. *Transactions of the Royal Society of Edinburgh, Earth Sciences*, **92**, 97–102.
- Morales, J., Pickford, M., Soria, D., and Fraile, S. (1998) New carnivores from the basal Middle Miocene of Arrisdrift, Namibia. *Eclogae Geologicae Helvetiae*, **91**, 27–40.
- Morato, R. G., Conforti, V. A., Azevedo, F. C. C., de, *et al.* (2001) Comparative analyses of semen and endocrine characteristics of free-living versus captive jaguars (*Panthera onca*). *Reproduction*, **122**, 745–51.
- Moreira, N., Brown, J. L., Moraes, W., Swanson, W. F., and Monteiro-Filho, E. L. A. (2007) Effect of housing and environmental enrichment on adrenocortical activity, behavior and reproductive cyclicity in the female tigrina (*Leopardus tigrinus*) and margay (*Leopardus wiedii*). *Zoo Biology*, **26**, 441–60.
- Moreira, N., Monteiro-Filho, E. L. A., Moraes, W., *et al.* (2001) Reproductive steroid hormones and ovarian activity in felids of the *Leopardus* genus. *Zoo Biology*, **20**, 103–16.
- Moreno, R. S. (2005) Observaciones sobre un evento antagónica en ocelots (*Leopardus pardalis*). *Technociencia*, **7**, 173–7.
- Moreno, R. S. and Giacalone, J. (2006) Ecological data obtained from latrine use by ocelots (*Leopardus pardalis*) on Barro Colorado Island, Panama. *Technociencia*, **8**, 7–21.
- Moreno, S. and Villafuerte, R. (1995) Traditional management of scrubland for the conservation of rabbits *Oryctolagus cuniculus* and their predators in Doñana National Park, Spain. *Biological Conservation*, **73**, 81–5.
- Moreno, S., Beltrán, J. F., Cotilla, I., *et al.* (2007) Long-term decline of the European wild rabbit (*Oryctolagus cuniculus*) in south-western Spain. *Wildlife Research*, **34**, 652–8.
- Moreno, R. S., Kays, R. W., and Samudio, R. (2006) Competitive release in diets of ocelot (*Leopardus pardalis*) and puma (*Puma concolor*) after jaguar (*Panthera onca*) decline. *Journal of Mammalogy*, **87**, 808–16.
- Moreno, S., Villafuerte, R., Cabezas, S., and Lombardi, L. (2004) Wild rabbit restocking for predator conservation in Spain. *Biological Conservation*, **118**, 183–93.
- Morin, P. A., Luikart, G., and Wayne, R. K., and the SNP Workshop Group (2004) SNPs in ecology, evolution and conservation. *Trends in Ecology and Evolution*, **19**, 208–16.
- Morlo, M. (1997) Die raubtiere (Mammalia, Carnivora) aus dem Turolium von Dorn-Durkheim I (Rheinhausen). Teil 1: Mustelida, Hyaenidae, Percrocutidae, Felidae. *CFS Courier Forschungsinstitut Senckenberg*, **197**, 11–47.
- Morlo, M., and Semenov, Y. (2004) New dental remains of *Machairodus* Kaup 1833 (Felidae, Carnivora, Mammalia) from the Turolian of Ukraine: significance for the evolution of the genus. *Kaupia*, **13**, 123–38.

- Morlo, M., Peigné, S., and Nagel, D. (2004) A new species of *Prosansanosmilus*: implications for the systematic relationships of the family Barbouriellidae new rank (Carnivora, Mammalia). *Zoological Journal of the Linnean Society*, **140**, 43–61.
- Mörner, T. (1992) Sarcoptic mange in Swedish wildlife. *OIE Revue Scientifique et Technique*, **11**, 1115–21.
- Mörner, T., Eriksson, H., Brojer, C., et al. (2005) Diseases and mortality in free-ranging brown bear (*Ursus arctos*), gray wolf (*Canis lupus*), and Wolverine (*Gulo gulo*) in Sweden. *Journal of Wildlife Diseases*, **41**, 298–303.
- Morrison, J. C., Sechrest, W., Dinerstein, E., Wilcove, D. S., and Lamoreux, J. F. (2007) Persistence of large mammal faunas as indicators of global human impacts. *Journal of Mammalogy*, **88**, 1363–80.
- Morrison, L. J., Majiwa, P., Read, A. F., and Barry, J. D. (2005) Probabilistic order in antigenic variation of *Trypanosoma brucei*. *International Journal for Parasitology*, **35**, 961–72.
- Morsbach, D. (1987) Cheetah in Namibia. *Cat News*, **6**, 25–6.
- Mosser, A. (2008) *Serengeti real estate: a lion's eye view of the Savanna landscape*. PhD dissertation, University of Minnesota, St Paul, MN.
- Mosser, A., Fryxell, J., Eberly, L. and Packer, C. (2009) Serengeti real estate: density versus fitness-based indicators of lion habitat quality. *Ecology Letters*, **12**, 1050–60.
- Mosser, A., and Packer, C. (2009) Group territoriality and the benefits of sociality in the African lion, *Panthera leo*. *Animal Behaviour*, **78**, 359–70.
- Mountford, G. (1981) *Saving the Tiger*. Joseph-Viking, London, UK.
- Mourão, G. M., Coutinho, M. E., Mauro, R. A., Tomás, W. M., and Magnusson, W. (2002) *Levantamentos aéreos de espécies introduzidas no Pantanal: porcos ferais (porco monteiro), gado bovino e búfalos*. Embrapa Pantanal, Corumbá, Brazil.
- Mowat, G. and Slough, B. (2003) Habitat preference of Canada lynx through a cycle in snowshoe hare abundance. *Canadian Journal of Zoology*, **81**, 1736–45.
- Mowat, G. and Slough, B. G. (1998) Some observations on the natural history and behaviour of the Canada Lynx, *Lynx canadensis*. *Canadian Field-Naturalist*, **112**, 32–6.
- Mowat, G., Poole, K. G., and O'Donoghue, M. (2000) Ecology of lynx in northern Canada and Alaska. In L. F. Ruggiero, K. B. Aubry, S. W. Buskirk, et al. (eds.), *Ecology and Conservation of Lynx in the United States*, pp. 265–306. University Press of Colorado, Boulder, CO.
- Mowat, G., Slough, B. G., and Boutin, S. (1996) Lynx recruitment during a snowshoe hare population peak and decline in southwest Yukon. *Journal of Wildlife Management*, **60**, 441–52.
- Mukherjee, S. D. (1998) Small cats in Andhra Pradesh. *Envis—Wildlife and Protected Areas*, **1**, 21–21.
- Mukherjee S. (1989) *Ecological separation of four sympatric carnivores in Keoladeo Ghana National Park, Bharatpur, Rajasthan, India*. MS thesis dissertation, Wildlife Institute of India, Dehradun, India.
- Mukherjee, S., Goyal, S. P., Johnsingh, A. J. T., and Pitman, M. R. P. L. (2004) The importance of rodents in the diet of jungle cat (*Felis chaus*), caracal (*Caracal caracal*) and golden jackal (*Canis aureus*) in Sariska Tiger Reserve, Rajasthan, India. *Journal of Zoology*, **262**, 405–11.
- Muller-Graf, C. D. M. (1995) A coprological survey of intestinal parasites of wild lions (*Panthera leo*) in the Serengeti and the Ngorongoro Crater, Tanzania, East Africa. *Journal of Parasitology*, **81**, 812–14.
- Muller-Graf, C. D. M., Woolhouse, M. E. J., and Packer, C. (1999) Epidemiology of an intestinal parasite (*Spirometra* spp.) in two populations of African lions (*Panthera leo*). *Parasitology*, **118**, 407–15.
- Muñoz-Pedrerros, A., Rau, J. R., Valdebenito, M., Quintana, V., and Martínez, D. R. (1995) Densidad relativa de pumas (*Felis concolor*) en un ecosistema forestal del sur de Chile. *Revista Chilena de Historia Natural*, **68**, 501–7.
- Munson, L. (2001) Feline Morbillivirus infections. In E. S. Williams and I. K. Barker (eds.), *Infectious Diseases of Wild Mammals*, pp. 59–62. Iowa State University, Ames, IA.
- Munson, L. (1993) Diseases of captive cheetahs (*Acinonyx jubatus*): results of the Cheetah Council Pathology Survey, 1989–1992. *Zoo Biology*, **12**, 105–24.
- Munson, L., Brown, J. L., Bush, M., et al. (1996) Genetic diversity affects testicular morphology in free-ranging lions (*Panthera leo*) of the Serengeti Plains and Ngorongoro Crater. *Journal of Reproduction and Fertility*, **108**, 11–15.
- Munson, L. and Citino, S. B. (2005) *Proceedings of the AZA Cheetah SSP Disease Management Workshop, White Oak Conservation Center, Yulee, FL, June 8–12, 2005*. American Zoo Association Cheetah SSP, Yulee, FL.
- Munson, L. and Karesh, W. B. (2002) Disease monitoring for the conservation of terrestrial animals. In A. A. Aguirre, R. S. Ostfeld, G. M. Tabor, C. House, and M. C. Pearl (eds.), *Conservation Medicine: Ecological Health in Practice*, pp. 95–103. Oxford University Press, Oxford, UK.
- Munson, L., Terio, K. A., Kock, R., et al. (2008) Climate extremes promote fatal co-infections during canine distemper epidemics in African lions. *PLoS ONE*, **3**, e2545.
- Munson, L., Terio, K. A., Worley, M., Jago, M., Bagot-Smith, A., and Marker, L. (2005) Extrinsic factors significantly affect patterns of disease in free-ranging and captive cheetah (*Acinonyx jubatus*) populations. *Journal of Wildlife Diseases*, **41**, 542–8.
- Munson, L., Marker, L., Dubovi, E., Spencer, J. A., Evermann, J. F., and O'Brien, S. J. (2004a) Serosurvey of viral infections in free-ranging Namibian cheetahs (*Acinonyx jubatus*). *Journal of Wildlife Diseases*, **40**, 23–31.
- Munson, L., Wack, R., Duncan, M., et al. (2004b) Chronic eosinophilic dermatitis associated with persistent feline herpes virus infection in cheetahs (*Acinonyx jubatus*). *Veterinary Pathology*, **41**, 170–6.

- Munson, L., Wack, R., Duncan, M., *et al.* (2003) Chronic eosinophilic dermatitis associated with persistent feline herpes virus infection in cheetahs (*Acinonyx jubatus*). *Veterinary Pathology*, **41**, 170–6.
- Munson, L., de Lahunta, A., Citino, S. B., *et al.* (1999a) Leukoencephalopathy in cheetahs. In *Annual Meeting of the American Association of Zoo Veterinarians, Orlando, FL*, 69.
- Munson, L., Nesbit, J. W., Kriek, N. P. J., Meltzer, D. G. A., Colly, L. P., and Bolton, L. (1999b) Diseases of captive cheetahs (*Acinonyx jubatus jubatus*) in South Africa: a 20-year retrospective survey. *Journal of Zoo and Wildlife Medicine*, **30**, 342–7.
- Muntifering, J. R., Dickman, A. J., Perlow, L. M., *et al.* (2006) Managing the matrix for large carnivores: a novel approach and perspective from cheetah (*Acinonyx jubatus*) habitat suitability modelling. *Animal Conservation*, **9**, 103–12.
- Murdoch, J. D., Munkhzul, T., and Reading, R. P. (2006) Pallas's cat ecology and conservation in the semi-desert steppes of Mongolia. *Cat News*, **45**, 18–19.
- Murdoch, W. W. (1969) Switching in generalist predators: experiments on prey specificity and stability of prey populations. *Ecological Monographs*, **39**, 335–54.
- Murombedzi, J. C. (1999) Devolution and stewardship in Zimbabwe's campfire programme. *Journal of International Development*, **11**, 287–93.
- Murphy, K. (1983) *Characteristics of a hunted population of mountain lions in western Montana*. MS dissertation, University of Montana, Missoula, MT.
- Murray, D. L. and Boutin, S. (1991) The influence of snow on lynx and coyote movements: does morphology affect behavior? *Oecologia*, **88**, 463–9.
- Murray, D. L., Boutin, S., O'Donoghue, M., and Nams, V. O. (1995) Hunting behaviour of a sympatric felid and canid in relation to vegetative cover. *Animal Behaviour*, **50**, 1203–10.
- Murray, D. L., Boutin, S., and O'Donoghue, M. (1994) Winter habitat selection by lynx and coyotes in relation to snowshoe hare abundance. *Canadian Journal of Zoology*, **72**, 1444–51.
- Murray, J. D. (1988) How the leopard got its spots. *Scientific American*, **3/1988**, 62–9.
- Muul, I. and Lim, B.-L. (1970) Ecological and morphological observations of *Felis planiceps*. *Journal of Mammalogy*, **51**, 806–8.
- Mwanzia, J. M., Kock, R. A., Wamba, J. M., Kock, N. D., and Jarrett, O. (1995) An outbreak of sarcoptic mange in free living cheetah (*Acinonyx jubatus*) in the Mara region of Kenya. In *Proceedings of the American Association of Zoo Veterinarians and American Association of Wildlife Veterinarians Joint Conference, Omaha*, pp. 104–14.
- Myers, E. C. (2007) Policies to reduce emissions from deforestation and degradation (REDD) in tropical forests: an examination of the issues facing the incorporation of REDD into market-based climate policies. Discussion Paper. Resources for the Future, Washington DC. <www.rff.org/rff/Documents/RFF-DP-07-50.pdf>. Accessed online 10 May 2009.
- Myers, N. (1976) *The leopard Panthera pardus in Africa*. IUCN, Morges, Switzerland.
- Myers, N. (1975) The cheetah *Acinonyx jubatus* in Africa. *IUCN Monograph No. 4*. IUCN, Morges, Switzerland.
- Myers, N. (1973) The spotted cats and the fur trade. In R. L. Eaton (ed.), *The World's Cats*, pp. 276–323. World Wildlife Safari, Winston, OR.
- NACSO. (2008) *Namibia's Communal Conservancies: A Review of Progress and Challenges in 2007*. Namibia Association of CBNRM Support Organisations, Windhoek, Namibia.
- NACSO. (2006) *Namibia's Communal Conservancies: A Review of Progress and Challenges in 2005*. Namibia Association of CBNRM Support Organisations, Windhoek, Namibia.
- Nagata, J., Aramilev, V. V., Belozor, A., Sugimoto, T., and McCullough, D. R. (2005) Fecal genetic analysis using PCR-RFLP of cytochrome b to identify sympatric carnivores, the tiger *Panthera tigris* and the leopard *Panthera pardus*, in far eastern Russia. *Conservation Genetics*, **6**, 863–5.
- Naidenko, S. V., and Antonevich, A. L. (2009) Sibling aggression in Eurasian lynx (*Lynx lynx*). In A. Vargas, C. Breitenmoser and U. Breitenmoser (eds.), *Iberian Lynx Ex Situ Conservation: An Interdisciplinary Approach*, pp. 146–55. Fundacion Biodiversidad, Madrid.
- Namgail, T., Bhatnagar, Y. V., Mishra, C., and Bagchi, S. (2007a) Pastoral nomads of the Indian Changthang: production system, landuse and socioeconomic changes. *Human Ecology*, **35**, 497–504.
- Namgail, T., Fox, J. L., and Bhatnagar, Y. V. (2007b) Carnivore-caused livestock mortality in Trans-Himalaya. *Environmental Management*, **39**, 490–6.
- Nakano-Oliveira, E. (2002) *Ecologia alimentar e área de vida de carnívoros da Floresta Nacional de Ipanema, Iperó, SP (Carnivora: Mammalia)*. MS dissertation, Universidade de Campinas, Campinas, Brazil.
- Napolitano, C., Bennett, M., Johnson, W. E., *et al.* (2008) Ecological and biogeographical inferences on two sympatric and enigmatic Andean cat species using genetic identification of faecal samples. *Molecular Ecology*, **17**, 678–90.
- Nations, J., Manterola, C., Rodriguez, C., and Hernandez, R. (2005) The Maya Tropical Forest. Saving a threatened tri-national biological and cultural heritage. In R. Mittermeier, C. F. Kormos, C. Mittermeier, P. Robles Gil, T. Sandwith, and C. Besançon (eds.) *Transboundary Conservation: A New Vision for Protected Areas*, pp. 147–56. CEMEX/Conservation International, Arlington, VA.
- Natoli, E., Schmid, M., Say, L., and Pontier, D. (2007) Male reproductive success in a social group of urban feral cats (*Felis catus* L.). *Ethology*, **113**, 283–9.



- Natoli, E., De Vito, E., and Pontier, D. (2000) Mate choice in the domestic cat (*Felis silvestris catus* L.). *Aggressive Behavior*, **26**, 455–65.
- Nature Conservation Division (2004) *Bhutan Biological Conservation Complex (Living in Harmony with Nature). A Landscape Conservation Plan: A Way Forward*. Thimphu Nature Conservation Division, Royal Government of Bhutan, and WWF Bhutan, Thimphu, Bhutan.
- Naughton-Treves, L., Treves, A., and Grossberg, R. (2003) Paying for tolerance: rural citizens' attitudes toward wolf depredation and compensation. *Conservation Biology*, **17**, 1500–11.
- Ndandi Namibia Safaris (2008) English hunting safaris: price list. <[www.ndandi.com/english/hunting\\_safaris/pricelist.html](http://www.ndandi.com/english/hunting_safaris/pricelist.html)>. Accessed online 15 Sept 2008.
- Neff, N. A. (1983) *The basicranial anatomy of the Nimravidae (Mammalia: Carnivora): character analyses and phylogenetic inferences*. PhD dissertation, City University of New York, New York.
- Nekaris, K. A. I. (2003) Notes on the distribution and behaviour of three small wild cats in Sri Lanka. *Cat News*, **38**, 30–1.
- Nel, J. A. J., Rautenbach, I. L., Els, D. A., and De Graaf, G. (1984) The rodents and other small mammals of the Kalahari Gemsbok National Park. *Koedoe Supplement*, **1984**, 195–220.
- Nellis, C. H. and Keith, L. B. (1968) Hunting activities and success of lynxes in Alberta. *Journal of Wildlife Management*, **32**, 718–22.
- Nellis, C. H. and Wetmore, S. P. (1969) Long-range movement of lynx in Alberta. *Journal of Mammalogy*, **50**, 640.
- Nellis, C. H., Wetmore, S. P., and Keith, L. B. (1972) Lynx-prey interactions in central Alberta. *Journal of Wildlife Management*, **36**, 320–9.
- Nepstad, D. C., Stinkler, C. M., and Almeida, O. T. (2006) Globalization of the Amazon soy and beef industries: opportunities for conservation. *Conservation Biology*, **20**, 1595–603.
- Newell-Fugate, A., Kennedy-Stoskopf, S., Brown, J. L., Levine, J. F., and Swanson, W. F. (2007) Seminal and endocrine characteristics of male Pallas's cats (*Otocolobus manul*) maintained under artificial lighting with simulated natural photoperiods. *Zoo Biology*, **26**, 187–99.
- Newell, D. M. (1935) *Panther!* *Saturday Evening Post*, **208**, 10–11, 70–2.
- Newman, A., Bush, M. E., Wildt, D. E., et al. (1985) Biochemical genetic variation in eight endangered or threatened Felid species. *Journal of Mammalogy*, **66**, 256–67.
- Ng, J. and Nemora (2007) *Tiger Trade Revisited in Sumatra, Indonesia*. TRAFFIC Southeast Asia, Petaling Jaya, Malaysia.
- Niedzialkowska, M., Jedrzejewski, W., Myslajek, R. W., Nowak, S., Jedrzejewska, B., and Schmidt, K. (2006) Environmental correlates of Eurasian lynx occurrence in Poland—large scale census and GIS mapping. *Biological Conservation*, **133**, 63–9.
- Nielson, C. K. and Woolf, A. (2001) Spatial organization of bobcats (*Lynx rufus*) in southern Illinois. *American Midland Naturalist*, **146**, 43–52.
- Niefeld, J. C. and Pollock, C. (2002) Fatal cytauxzoonosis in a free-ranging bobcat (*Lynx rufus*). *Journal of Wildlife Diseases*, **38**, 607–10.
- Nimmervoll, H. (2007) *Sarcoptic mange in red foxes (Vulpes vulpes) from Switzerland—pathological characteristics and influencing factors*. MedVet dissertation, University of Berne, Berne, Switzerland.
- Nishimura, Y., Goto, Y., Endo, Y., et al. (1999) Interspecies transmission of feline immunodeficiency virus from the domestic cat to the tsushima cat (*Felis bengalensis euptilura*) in the wild. *Journal of Virology*, **73**, 7916–21.
- Nordstrom, L. (2005) *Recovery Outline: Contiguous United States Distinct Population Segment of the Canada Lynx*. United States Fish and Wildlife Service, Helena, MT.
- Norton-Griffiths, M. (2007) How many wildebeest do you need? *World Economics*, **8**, 41–64.
- Norton-Griffiths, M. (1998) The economics of wildlife conservation in Kenya. In E. J. Milner-Gulland and R. Mace (eds.), *Biological Conservation and Sustainable Use*, pp. 279–93. Blackwells, Oxford, UK.
- Norton-Griffiths, M. (1996) Property rights and the marginal wildebeest: an economic analysis of wildlife conservation options in Kenya. *Biodiversity and Conservation*, **5**, 1557–77.
- Norton-Griffiths, M. (1995) The kiss of death or does conservation work? <[www.mng5.com/papers/DeathKiss.pdf](http://www.mng5.com/papers/DeathKiss.pdf)>. Accessed online 10 May 2009.
- Norton-Griffiths, M. and Southley, C. (1995) The opportunity costs of biodiversity conservation in Kenya. *Ecological Economics*, **12**, 125–39.
- Norton, P. M. (1990) How many leopards? A criticism of Martin and De Meulenaer's population estimates for Africa. *South African Journal of Science*, **86**, 218–20.
- Norton, P. M. (1986) Historical Changes in the distribution of leopards in the Cape Province, South Africa. *Bontebok*, **5**, 1–9.
- Noss, R. F., Quigley, H. B., Hornocker, M. G., Merrill, T., and Paquet, P. C. (1996) Conservation biology and carnivore conservation in the Rocky Mountains. *Conservation Biology*, **10**, 949–63.
- Novack, A. J. (2003) *Impacts of subsistence hunting on the foraging ecology of jaguar and puma in the Maya Biosphere Reserve, Guatemala*. MS thesis, University of Florida, Gainesville, FL.
- Novack, A. J., Main, M. B., Sunquist, M. E., and Labisky, R. F. (2005) Foraging ecology of jaguar (*Panthera onca*) and puma (*Puma concolor*) in hunted and non-hunted sites within the Maya Biosphere Reserve, Guatemala. *Journal of Zoology*, **267**, 167–78.
- Nowak, R. M. and McBride, R. T. (1974) Status survey of the Florida panther. In *World Wildlife Fund Yearbook*,

- 1973–74. pp. 237–42. Museum of Natural History, University of Kansas, Lawrence, KS.
- Nowell, K. (2009) Tiger farms and pharmacies: the central importance of China's trade policy for tiger conservation. In R. L. Tilson and P. Nyhus (eds.), *Tigers of the World: The Science, Politics and Conservation of Panthera tigris*, 2nd edn. William Andrew, Norwich, UK.
- Nowell, K. (2007) *Asian Big Cat Conservation and Trade Control in Selected Range States: Evaluating Implementation and Effectiveness of CITES Recommendations*. TRAFFIC International, Cambridge, UK.
- Nowell, K. (1996) *Namibian Cheetah Conservation Strategy*. Ministry of Environment and Tourism, Windhoek, Namibia.
- Nowell, K. and Jackson, P. (1996) *Wild Cats: A Status Survey and Conservation Action Plan*. IUCN/ SSC Cat Specialist Group, Gland, Switzerland.
- Nowell, K. and Jackson, P. (1992) Animal use: non food uses. In World Conservation Monitoring Centre (ed.), *Global Biodiversity: Status of the Earth's Living Resources*, p. 374. Chapman and Hall, London, UK.
- Nowell, K. and Xu, L. (2007) *Taming the Tiger Trade: China's Markets for Wild and Captive Tiger Products since the 1993 Domestic Trade Ban*. TRAFFIC East Asia, Hong Kong.
- Nowell, K., Bauer, H., and Breitenmoser, U. (2007) Cats at CITES COP14. *Cat News*, **47**, 33–4.
- Núñez, R., Miller, B., and Lindzey, F. (2002) Ecología del jaguar en la reserva de la Biosfera Chamela-Cuixmala, Jalisco, México. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio*, pp. 107–26. Fondo de Cultura Económica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Núñez, R., Miller, B., and Lindzey, F. (2000) Food habits of jaguars and pumas in Jalisco, Mexico. *Journal of Zoology*, **252**, 373–9.
- Nyhus, P. J. and Tilson, R. (2004a) Agroforestry, elephants, and tigers: balancing conservation theory and practice in human-dominated landscapes of Southeast Asia. *Agriculture, Ecosystems and Environment*, **104**, 87–97.
- Nyhus, P. J. and Tilson, R. (2004b) Characterizing human-tiger conflict in Sumatra, Indonesia: implications for conservation. *Oryx*, **38**, 68–74.
- Nyhus, P. J., Osofsky, S., Ferraro, P., Madden, F., and Fischer, H. (2005) Bearing the costs of human-wildlife conflict: the challenges of compensation schemes. In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict and Coexistence*, pp. 107–21. Cambridge University Press, Cambridge, UK.
- Nyhus, P. J., Fischer, H., F., M., and Osofsky, S. (2003) Taking the bite out of wildlife damage: the challenges of wildlife compensation schemes. *Conservation in Practice*, **4**, 37–40.
- O'Brien, S. J. (1994) A role for molecular genetics in biological conservation. *Proceedings of the National Academy of Sciences of the United States of America*, **91**, 5748–55.
- O'Brien, S. J. and Evermann, J. F. (1988) Interactive influence of infectious disease and genetic diversity in natural populations. *Trends in Ecology and Evolution*, **3**, 254–9.
- O'Brien, S. J. and Johnson, W. E. (2007) The evolution of cats. *Scientific American*, **297**, 68–75.
- O'Brien, T. G., Kinnaird, M. F., and Wibisono, H. T. (2003) Crouching tigers, hidden prey: Sumatran tiger and prey populations in a tropical forest landscape. *Animal Conservation*, **6**, 131–9.
- O'Brien, S. J., Roelke, M. E., Yuhki, N., et al. (1990) Genetic introgression within the Florida panther *Felis concolor coryi*. *National Geographic Research*, **6**, 485–94.
- O'Brien, S. J., Joslin, P., Smith, G. L., III, et al. (1987a) Evidence for African origins of founders of the Asiatic lion species survival plan. *Zoo Biology*, **6**, 99–116.
- O'Brien, S. J., Martenson, J. S., Packer, C., et al. (1987b) Biochemical genetic variation in geographic isolates of African and Asiatic lions. *National Geographic Research*, **3**, 114–24.
- O'Brien, S. J., Wildt, D. E., Bush, M. E., et al. (1987c) East African cheetahs: evidence for two population bottlenecks? *Proceedings of the National Academy of Sciences of the United States of America*, **84**, 508–11.
- O'Brien, S. J., Wildt, D. E., and Bush, M. E. (1986) The cheetah in genetic peril. *Scientific American*, **254**, 84–92.
- O'Brien, S. J., Collier, G. E., and Benveniste, R. E. (1985a) Setting the molecular clock in Felidae: the great cats, *Panthera*. In R. L. Tilson and U. S. Seal (eds.), *Tigers of the World: The Biology, Biopolitics, Management, and Conservation of an Endangered Species*, pp. 10–27. Noyes Publications, Park Ridge, NJ.
- O'Brien, S. J., Roelke, M. E., Marker, L., et al. (1985b) Genetic basis for species vulnerability in the cheetah. *Science*, **227**, 1428–34.
- O'Brien, S. J., Wildt, D. E., Goldman, D., Merrill, C. R., and Bush, M. (1983) The cheetah is depauperate in genetic variation. *Science*, **221**, 459–62.
- O'Connell, A. F., Nichols, J. D., and Karanth, K. U. (eds.) (in press) *Camera Traps in Animal Ecology: Methods and Analyses*. Springer, Tokyo, Japan.
- O'Connor, R. M. (1986) Reproduction and age distribution of female lynx in Alaska, 1961–1971—preliminary results. In S. D. Miller and D. D. Everett (eds.), *Cats of the World: Biology, Conservation, and Management*, pp. 311–25. National Wildlife Federation, Washington DC.
- O'Connor, T. P. (2007) Wild or domestic? Biometric variation in the cat *Felis silvestris schreber*. *International Journal of Osteoarchaeology*, **17**, 581–95.
- O'Donoghue, M., Slough, B. G., Poole, K. G., et al. (2007) Canada lynx: behaviour and population dynamics in northern Canada. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 55. Wildlife Conservation Research Unit, Oxford, UK.
- O'Donoghue, M., Boutin, S., Murray, D. L., et al. (2001) Coyotes and lynx. In C. J. Krebs, S. Boutin, and R.

- Boonstra (eds.), *Ecosystem Dynamics of the Boreal Forest: The Kluane Project*, pp. 276–323. Oxford University Press, Oxford, UK.
- O'Donoghue, M., Boutin, S., Krebs, C. J., Murray, D. L., and Hofer, E. J. (1998a) Behavioural responses of coyotes and lynx to the snowshoe hare cycle. *Oikos*, **82**, 169–83.
- O'Donoghue, M., Boutin, S., Krebs, C. J., Zuleta, G., Murray, D. L., and Hofer, E. J. (1998b) Functional responses of coyotes and lynx to the snowshoe hare cycle. *Ecology*, **79**, 1193–208.
- O'Donoghue, M., Boutin, S., Krebs, C. J., and Hofer, E. J. (1997) Numerical responses of coyotes and lynx to the snowshoe hare cycle. *Oikos*, **80**, 150–62.
- O'Donoghue, M., Hofer, E., and Doyle, F. I. (1995) Predator versus predator. *Natural History*, **104** (3), 6–9.
- O'Regan, H. J. (2002) Defining cheetahs, a multivariate analysis of skull shape in big cats. *Mammal Review*, **32**, 58–62.
- Oakleaf, J. K., Murray, D. L., and Mack, C. (2003) Effects of wolves on livestock calf survival and movements in central Idaho. *Journal of Wildlife Management*, **67**, 299–306.
- Odden, J., Linnell, J. D. C., and Andersen, R. (2006) Diet of Eurasian lynx, *Lynx lynx*, in the boreal forest of southeastern Norway: the relative importance of livestock and hares at low roe deer density. *European Journal of Wildlife Research*, **52**, 237–44.
- Odden, J., Linnell, J. D. C., Moa, P. F., Herfindal, I., Kvam, T., and Andersen, R. (2002) Lynx depredation on domestic sheep in Norway. *Journal of Wildlife Management*, **66**, 98–105.
- Office of Economic and Demographic Research Florida Legislature (2008) *Total county population: April 1, 1970–2030*. Florida Demographic Estimating Conference, February 2008 and the Florida Demographic Database, August 2008. <[www.edr.state.fl.us/population/web10.xls](http://www.edr.state.fl.us/population/web10.xls)>. Accessed online 11 Sept 2008.
- Officer, L. H. and Williamson, S. H. (2008) Purchasing power of money in the United States from 1774 to 2007. <[www.measuringworth.com/pppowerus/](http://www.measuringworth.com/pppowerus/)>. Accessed online 27 January 2008.
- Ogada, M. O., Woodroffe, R., Ouge, N. O., and Frank, L. G. (2003) Limiting depredation by African carnivores: the role of livestock husbandry. *Conservation Biology*, **17**, 1521–30.
- Ogutu, J. O. and Dublin, H. T. (2004) Spatial dynamics of lions and their prey along an environmental gradient. *African Journal of Ecology*, **42**, 8–22.
- Ogutu, J. O. and Dublin, H. T. (2002) Demography of lions in relation to prey and habitat in the Maasai Mara National Reserve, Kenya. *African Journal of Ecology*, **40**, 120–9.
- Ogutu, J. O. and Dublin, H. T. (1998) The response of lions and spotted hyaenas to sound playbacks as a technique for estimating population size. *African Journal of Ecology*, **36**, 83–95.
- Ogutu, J. O., Reid, R., and Bhola, N. (2005) The effects of pastoralism and protection on the density and distribution of carnivores and their prey in the Mara ecosystem of Kenya. *Journal of Zoology*, **265**, 281–93.
- Ojasti, J. (1997) *Wildlife Utilization in Latin America: Current Situation and Prospects for Sustainable Management*. FAO, Rome, Italy.
- Okarma, H., Jedrzejewski, W., Schmidt, K., Kowalczyk, R., and Jedrzejewska, B. (1997) Predation of Eurasian lynx on roe deer and red deer in Bialowieza Primeval Forest, Poland. *Acta Theriologica*, **42**, 203–24.
- Olbricht, G. and Sliwa, A. (1997) *In situ* and *ex situ* observations and management of black-footed cats *Felis nigripes*. *International Zoo Yearbook*, **35**, 81–9.
- Olbricht, G. and Sliwa, A. (1995) Comparative development of juvenile Black-footed cats at Wuppertal Zoo and elsewhere. *Der Zoologische Garten*, **65**, 8–20.
- Oli, M. K. (1997) Winter home range of snow leopards in Nepal. *Mammalia*, **61**, 355–60.
- Oli, M. K. (1994) Snow leopards and blue sheep in Nepal: densities and predator:prey ratio. *Journal of Mammalogy*, **75**, 998–1004.
- Oli, M. K. (1991) *The ecology and conservation of the Snow leopard (Panthera uncia) in the Annapurna Conservation Area, Nepal*. MPhil dissertation, University of Edinburgh, Edinburgh, Scotland.
- Oli, M. K., Taylor, I. R., and Rogers, M. E. (1994) Snow leopard *Panthera uncia* predation of livestock: an assessment of local perceptions in the Annapurna Conservation Area, Nepal. *Biological Conservation*, **68**, 63–8.
- Oli, M. K., Taylor, I. R., and Rogers, M. E. (1993) Diet of the snow leopard (*Panthera uncia*) in the Annapurna Conservation Area, Nepal. *Journal of Zoology*, **231**, 365–70.
- Oliveira, T. G. de (2004) The oncilla in Amazonia: unravelling a myth. *Cat News*, **41**, 29–32.
- Oliveira, T. G. de (2002a) Ecología comparativa de la alimentación del jaguar y del puma en el neotrópico. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio*, pp. 265–88. Fondo de Cultura Económica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Oliveira, T. G. de (2002b) Evaluación del estado de conservación del jaguar en el este de la Amazonia y noreste de Brasil. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio*, pp. 419–50. Fondo de Cultura Económica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Oliveira, T. G. de (1998a) *Herpailurus yagouaroundi*. *Mammalian Species*, **578**, 1–6.
- Oliveira, T. G. de (1998b) *Leopardus wiedii*. *Mammalian Species*, **579**, 1–6.

- Oliveira, T. G. de (1994) *Neotropical Cats: Ecology and Conservation*. EDUFMA, São Luís, Brazil.
- Oliveira, T. G. de and Cassaro, K. (2005) *Guia de campo dos felinos do Brasil*. Pró-Carnívoros/Fundação Parque Zoológico de São Paulo/Sociedade de Zoológicos do Brasil/Pró-Vida Brasil, São Paulo, Brazil.
- Oliveira, T. G. de, Mazim, F. D., Kasper, C. B., Tortato, M. A., Soares, J. B. G., and Marques, R. V. (submitted) Demographic assessment of small-felids in Brazil and its implications for species conservation. *Biological Conservation*.
- Oliveira, T. G. de, Kasper, C. B., Tortato, M. A., Marques, R. V., Mazim, F. D., and Soares, J. B. G. (2008) Aspectos ecológicos de *Leopardus tigrinus* e outros felinos de pequeno-médio porte no Brasil. In T. G. de Oliveira (ed.), *Plano de ação para conservação de Leopardus tigrinus no Brasil*. Instituto Pró-Carnívoros/Fundo Nacional do Meio Ambiente, Atibaia, Brazil.
- Olmos, F. (1993) Notes on the food habits of Brazilian Caatinga carnivores. *Mammalia*, **57**, 126–30.
- Olmsted, R. A., Langley, R., Roelke, M. E., et al. (1992) Worldwide prevalence of lentivirus infection in wild feline species: epidemiologic and phylogenetic aspects. *Journal of Virology*, **66**, 6008–18.
- Olson, D. M., Dinerstein, E., Wikramanayake, E. D., et al. (2001) Terrestrial ecoregions of the world: a new map of life on earth. *BioScience*, **51**, 933–8.
- Onorato, D. P. and Hellgren, E. C. (2001) Black bear at the border: the recolonization of the Trans-Pecos. In D. S. Maehr, R. F. Noss, and J. L. Larkin (eds.), *Large Mammal Restoration: Ecological and Sociological Challenges in the 21st Century*, pp. 245–60. Island Press, Washington DC.
- Onorato, D. P., Hellgren, E. C., Van Den Bussche, R. A., and Doan Crider, D. L. (2004) Phylogeographic patterns within a metapopulation of black bears (*Ursus americanus*) in the American southwest. *Journal of Mammalogy*, **85**, 140–7.
- Orford, H. J. L., Perrin, M. R., and Berry, H. H. (1988) Contraception, reproduction and demography of free-ranging Etosha lions (*Panthera leo*). *Journal of Zoology*, **216**, 717–33.
- Ormsby, J. (1864) *Autumn Rambles in North Africa*. Longman, Green, Longman, Roberts, and Green, London, UK.
- Ortolani, A. (1999) Spots, stripes, tail tips and dark eyes: predicting the function of carnivore colour patterns using the comparative method. *Biological Journal of the Linnean Society*, **67**, 433–76.
- Ortolani, A. and Caro, T. M. (1996) The adaptive significance of color patterns in carnivores: phylogenetic tests of classic hypotheses. In J. L. Gittleman (ed.), *Carnivore Behavior, Biology, and Evolution*, pp. 132–88. Cornell University Press, Ithaca, NY.
- Osborn, F. V. and Rasmussen, L. E. L. (1995) Evidence for the effectiveness of an oleo-resin capsicum aerosol as a repellent against wild elephants in Zimbabwe. *Pachyderm*, **20**, 55–64.
- Ostro, L. E. T. (1998) *The spatial ecology of translocated black howler monkeys (Alouatta pigra) in Belize*. PhD dissertation, Fordham University, New York.
- Ostrowski, S., van Vuuren, M., Lenain, D. M., and Durand, A. (2003) A serologic survey of wild felids from central west Saudi Arabia. *Journal of Wildlife Diseases*, **39**, 696–702.
- Overbeek, P. A., Gorlov, I. P., Sutherland, R. W., et al. (2001) A transgenic insertion causing cryptorchidism in mice. *Genesis*, **30**, 26–35.
- Overskaug, K. (1994) Behavioural changes in free-ranging red foxes (*Vulpes vulpes*) due to sarcoptic mange. *Acta Veterinaria Scandinavica*, **35**, 457–9.
- Owen-Smith, N. and Mills, M. G. L. (2006) Manifold interactive influences on the population dynamics of a multi-species ungulate assemblage. *Ecological Monographs*, **76**, 73–92.
- Owens, M. J. and Owens, D. D. (1984) Kalahari lions break the rules. *International Wildlife*, **14**, 4–13.
- Pacheco, L. E., Lucero, A., and Villca, M. (2004) Dieta del puma (*Puma concolor*) en el Parque Nacional Sajama, Bolivia y su conflicto con la ganadería. *Ecología en Bolivia*, **39**, 75–83.
- Packer, C. (1990) Serengeti lion survey. Report to TANAPA, SWRI, MWEKA, and Wildlife Division.
- Packer, C. (1986) The ecology of sociality in Felids. In D. I. Rubenstein and R. W. Wrangham (eds.), *Ecological Aspects of Social Evolution. Birds and Mammals*, p. 551. Princeton University Press, Princeton, NJ.
- Packer, C. and Pusey, A. E. (1993) Dispersal, kinship, and inbreeding in African lions. In N. W. Thornhill (ed.), *The Natural History of Inbreeding and Outbreeding: Theoretical and Empirical Perspectives*, pp. 375–91. University of Chicago Press, Chicago, IL.
- Packer, C. and Pusey, A. E. (1987) Intrasexual co-operation and the sex ratio in African lions. *American Naturalist*, **130**, 636–42.
- Packer, C. and Pusey, A. E. (1983a) Adaptations of female lions to infanticide by incoming males (*Panthera leo*). *American Naturalist*, **121**, 716–28.
- Packer, C. and Pusey, A. E. (1983b) Male takeovers and female reproductive parameters: a simulation of oestrus synchrony in lions (*Panthera leo*). *Animal Behaviour*, **31**, 334–40.
- Packer, C. and Pusey, A. E. (1982) Co-operation and competition within coalitions of male lions: kin selection or game theory? *Nature*, **296**, 740–2.
- Packer, C. and Ruttan, L. (1988) The evolution of cooperative hunting. *American Naturalist*, **132**, 159–98.
- Packer, C., Hilborn, R., Mosser, A., et al. (2005a) Ecological change, group territoriality, and population dynamics in Serengeti lions. *Science*, **307**, 390–3.
- Packer, C., Ikanda, D., Kissui, B. M., and Kushnir, H. (2005b) Lion attacks on humans in Tanzania. *Nature*, **436**, 927–8.
- Packer, C., Pusey, A. E., and Eberly, L. E. (2001) Egalitarianism in female African lions. *Science*, **293**, 690–3.

- Packer, C., Altizer, S., Appel, M., *et al.* (1999) Viruses of the Serengeti: patterns of infection and mortality in African lions. *Journal of Animal Ecology*, **68**, 1161–78.
- Packer, C., Tatar, M., and Collins, A. (1998) Reproductive cessation in female mammals. *Nature*, **392**, 807–11.
- Packer, C., Lewis, S., and Pusey, A. E. (1992) A comparative analysis of non-offspring nursing. *Animal Behaviour*, **43**, 265–81.
- Packer, C., Gilbert, D. A., Pusey, A. E., and O'Brien, S. J. (1991a) A molecular genetic analysis of kinship and cooperation in African lions. *Nature*, **351**, 562–5.
- Packer, C., Pusey, A. E., Rowley, H., Gilbert, D. A., Martenson, J. S., and O'Brien, S. J. (1991b) Case study of a population bottleneck: lions of the Ngorongoro Crater. *Conservation Biology*, **5**, 219–30.
- Packer, C., Scheel, D., and Pusey, A. E. (1990) Why lions form groups: food is not enough. *American Naturalist*, **136**, 1–19.
- Packer, C., Herbst, L., Pusey, A., *et al.* (1988) Reproductive success of lions. In T. H. Clutton-Brock (ed.), *Reproductive Success: Studies of Individual Variation in Contrasting Breeding Systems*, pp. 363–83. University of Chicago Press, Chicago, IL.
- Padley, W. D. (ed.) (1997) *Proceedings of the 5th Mountain Lion Workshop, 27 February–1 March 1996*. The Southern California Chapter of the Wildlife Society, San Diego, CA.
- Page, R. J. C. and Bennett, A. F. (1994) Feral cat control in Britain: developing a rabies contingency strategy. In W. S. Halverson and A. C. Crabb (eds.), *Proceedings of the 16th Vertebrate Pest Conference*, pp. 20–6. University of California, Davis, CA.
- Palacios R. (2007) *Manual para Identificación de Carnívoros Andinos*. Alianza Gato Andino, Cordoba, Argentina.
- Palen, G. F. and Goddard, G. C. (1966) Catnip and oestrus behaviour in the cat. *Animal Behaviour*, **14**, 372–7.
- Palmeira, F. B. L., Crawshaw, P. G., Haddad, C. M., Ferraz, K. M., and Verdade, L. M. (2008) Cattle depredation by puma (*Puma concolor*) and jaguar (*Panthera onca*) in central-western Brazil. *Biological Conservation*, **141**, 118–25.
- Palomares, F. (2003) The negative impact of heavy rains on the abundance of a Mediterranean population of European rabbits. *Mammalian Biology*, **68**, 224–34.
- Palomares, F. (2001) Vegetation structure and prey abundance requirements of the Iberian lynx: implications for the design of reserves and corridors. *Journal of Applied Ecology*, **38**, 9–18.
- Palomares, F. and Caro, T. M. (1999) Interspecific killing among mammalian carnivores. *American Naturalist*, **153**, 492–508.
- Palomares, F. and Rodríguez, A. (2004) ¿Cuál es la situación real de las poblaciones de lince? In M. Gomendio (ed.), *Los retos medioambientales del siglo XXI. La conservación de la biodiversidad en España*, pp. 63–76. Fundación BBVA, Bilbao, Spain.
- Palomares, F., Revilla, E., Calzada, J., Fernández, N., and Delibes, M. (2005) Reproduction and pre-dispersal survival of Iberian lynx in a subpopulation of the Doñana National Park. *Biological Conservation*, **122**, 53–9.
- Palomares, F., Godoy, J. A., Piriz, A., O'Brien, S. J., and Johnson, W. E. (2002a) Faecal genetic analysis to determine the presence and distribution of elusive carnivores: design and feasibility for the Iberian lynx. *Molecular Ecology*, **11**, 2171–82.
- Palomares, F., Revilla, E., Gaona, P., Giordano, C., and Delibes, M. (2002b) *Efecto de la extracción de lince ibérico en las poblaciones donantes de Doñana y la Sierra de Andújar para posibles campañas de reintroducción*. Consejería de Medio Ambiente Junta de Andalucía, Seville, Spain.
- Palomares, F., Delibes, M., Revilla, E., Calzada, J., and Fedriani, J. M. (2001) Spatial ecology of Iberian lynx and abundance of European rabbits in southwestern Spain. *Wildlife Monographs*, **148**, 1–36.
- Palomares, F., Delibes, M., Ferreras, P., Fedriani, J. M., Calzada, J., and Revilla, E. (2000) Iberian lynx in a fragmented landscape: pre-dispersal, dispersal, and post-dispersal habitats. *Conservation Biology*, **14**, 809–18.
- Palomares, F., Ferreras, P., Travaini, A., and Delibes, M. (1998) Co-existence between Iberian lynx and Egyptian mongooses: estimating interaction strength by structural equation modelling and testing by an observational study. *Journal of Animal Ecology*, **67**, 967–78.
- Palomares, F., Ferreras, P., Fedriani, J. M., and Delibes, M. (1996) Spatial relationships between Iberian lynx and other carnivores in an area of south-western Spain. *Journal of Applied Ecology*, **33**, 5–13.
- Palomares, F., Gaona, P., Ferreras, P., and Delibes, M. (1995) Positive effects on game species of top predators by controlling smaller predator populations: an example with lynx, mongooses, and rabbits. *Conservation Biology*, **9**, 295–305.
- Palomares, F., Rodríguez, A., Laffitte, R., and Delibes, M. (1991) The status and distribution of the Iberian lynx *Felis pardina* (Temminck) in Coto Doñana Area, SW Spain. *Biological Conservation*, **57**, 159–69.
- Pamilo, P. (2004) How cryptic is the Scandinavian lynx? *Molecular Ecology*, **13**, 3257–9.
- Panaman, R. (1981) Behaviour and ecology of free ranging female farm cats. *Zeitschrift für Tierpsychologie*, **56**, 59–73.
- Papendick, R. E., Munson, L., O'Brien, T. D., and Johnson, K. H. (1997) Systemic AA amyloidosis in captive cheetahs (*Acinonyx jubatus*). *Veterinary Pathology*, **34**, 549–56.
- Papouchis, C. M. (2004) Conserving mountain lions in a changing landscape. In N. Fascione, A. Delach and M. E. Smith (eds.), *People and Predators: From Conflict to Coexistence*, pp. 219–39. Island Press, Washington DC.
- Parker, A. M., Trivedi, M., and Mardas, N. (eds.) (2008) *The Little REDD Book. A Guide to Governmental and Non-*

- Governmental Proposals for Reducing Emissions from Deforestation and Degradation*. Global Canopy Foundation, Oxford, UK.
- Parker, G. (2001) *Status Report on the Canada Lynx in Nova Scotia*. Nova Scotia Species at Risk Working Group, Halifax, NS.
- Parker, G. E. and Osborn, F. V. (2006) Investigating the potential for chilli *Capsicum* spp. to reduce human-wildlife conflict in Zimbabwe. *Oryx*, **40**, 343–6.
- Parker, G. R. (1981) Winter habitat use and hunting activities of lynx (*Lynx canadensis*) on Cape Breton Island, Nova Scotia. In J. A. Chapman and D. Pursley (eds.), *Worldwide Furbearer Conference Proceedings*, pp. 221–48. Frostburg, MD.
- Parker, G. R., Maxwell, J. W., Morton, L. D., and Smith, G. E. J. (1983) The ecology of the lynx (*Lynx canadensis*) on Cape Breton Island. *Canadian Journal of Zoology*, **61**, 770–86.
- Parks, S. A. and Harcourt, A. H. (2002) Reserve size, local human density, and mammalian extinctions in U.S. protected areas. *Conservation Biology*, **16**, 800–8.
- Parra, A., Garcia, A., Inglis, N. F., et al. (2006) An epidemiological evaluation of *Mycobacterium bovis* infections in wild game animals of the Spanish Mediterranean ecosystem. *Research in Veterinary Science*, **80**, 140–6.
- Passanisi, W. and Macdonald, D. W. (1990) Group discrimination on the basis of urine in a farm cat colony. In D. W. Macdonald, D. Müller-Schwarze, and S. E. Natynczuk (eds.), *Chemical Signals in Vertebrates 5*, pp. 336–45. Oxford University Press, Oxford, UK.
- Patel, K. (2006) Observations of rusty-spotted cat in eastern Gujarat. *Cat News*, **45**, 37–8.
- Patel, K. and Jackson, P. (2005) Rusty-spotted cat in India: new distribution data. *Cat News*, **42**, 27.
- Paton, D. C. (1993) The impact of domestic and feral cats on wildlife. In G. Siepen and C. Owens (eds.), *Cat Management Workshop Proceedings*, pp. 9–15. Queensland Department of Environment and Heritage, Brisbane, Australia.
- Patterson, B. D. (2004) Maneless and misunderstood. *Earthwatch Journal*, **23**, 12–15.
- Patterson, B. D., Neiburger, E. J., and Kasiki, S. M. (2003) Tooth breakage and dental disease as causes of carnivore-human conflicts. *Journal of Mammalogy*, **84**, 190.
- Patterson, B. D., Kasiki, S. M., Selempo, E., and Kays, R. W. (2004) Livestock predation by lions (*Panthera leo*) and other carnivores on ranches neighbouring Tsavo National Park, Kenya. *Biological Conservation*, **119**, 507–16.
- Pauchard, A., Aguayo, M., Peña, E., and Urrutia, R. (2006) Multiple effects of urbanization on the biodiversity of developing countries: the case of a fast-growing metropolitan area (Concepción, Chile). *Biological Conservation*, **127**, 272–81.
- Paul-Murphy, J., Work, T., Hunter, D., McFie, E., and Fjelline, D. (1994) Serologic survey and serum biochemical reference ranges of the free-ranging mountain lion (*Felis concolor*) in California. *Journal of Wildlife Diseases*, **30**, 205–15.
- Pauly, D. (1995) Anecdotes and the shifting baseline syndrome of fisheries. *Trends in Ecology and Evolution*, **10**, 430.
- Payan, E. (2008) *Jaguars, ocelots and prey ecology across sites with different hunting pressure in Colombian Amazonia*. PhD dissertation, University College London, London, UK.
- Payan, E. and Trujillo, L. A. (2006) The Tigri lladas in Colombia. *Cat News*, **44**, 25–8.
- Pearce, D. and Moran, D. (1994) *The Economic Value of Biodiversity*. IUCN, London, UK.
- Pearce, D., Hecht, S., and Vorhies, F. (2007) What is biodiversity worth? Economics as a problem and a solution. In D. W. Macdonald and K. Service (eds.), *Key Topics in Conservation*, pp. 35–45. Blackwell Publishing Ltd, Oxford, UK.
- Pecon-Slattery, J., Troyer, J., Johnson, W., and O'Brien, S. (2008) Evolution of feline immunodeficiency virus in Felidae: implications for human health and wildlife ecology. *Veterinary Immunology and Immunopathology*, **123**, 32–44.
- Pedersen, N. C. (1988) Feline leukemia virus infection. In N. C. Pedersen (ed.), *Feline Infectious Diseases*, pp. 83–106. American Veterinary Publications, Goleta, CA.
- Pedersen, N. C. and Barlough, J. E. (1991) Clinical overview of feline immunodeficiency virus. *Journal of the American Veterinary Medical Association*, **199**, 1298–305.
- Peel, M. J. S. and Montagu, G. P. (1999) Modelling predator-prey interactions on a Northern Province game ranch. *South African Journal of Wildlife Research*, **29**, 31–4.
- Peery, M. Z., Beissinger, S. R., House, R. F., et al. (2008) Characterizing source-sink dynamics with genetic parentage assignments. *Ecology*, **89**, 2746–59.
- Peigné, S. (1999) *Proailurus*, l'un des plus anciens Felidae (Carnivora) d'Eurasie: systématique et évolution. *Bulletin de la Société d'Histoire Naturelle de Toulouse*, **135**, 125–34.
- Peixoto, P. V., Soares, C. O., Scofield, A., Santiago, C. D., Franca, T. N., and Barros, S. S. (2007) Fatal cytauxzoonosis in captive-reared lions in Brazil. *Veterinary Parasitology*, **145**, 383–7.
- Pelican, K. M., Lang, K., Passaro, R., et al. (2007) Improved husbandry and nutrition results in successful reproduction in the Thailand clouded leopard. In *Proceedings of the Annual Conference of the American Association of Zoo Veterinarians*, p. 214. American Association of Zoo Veterinarians.
- Pelican, K., Abáigar, T., Vargas, A., et al. (2006a) Hormone profiles in the Iberian lynx: applications to in situ and ex situ conservation. In *Iberian Lynx Ex-Situ Conservation Seminar Series: Book of Proceedings*, pp. 113–15. Fundación Biodiversidad, Sevilla and Doñana, Spain.
- Pelican, K. M., Wildt, D. E., Pukazhenth, B., and Howard, J. (2006b) Ovarian control for assisted reproduction in the domestic cat and wild felids. *Theriogenology*, **66**, 37–48.
- Pelican, K. M., Brown, J. L., Wildt, D. E., Ottinger, M. A., and Howard, J. G. (2005) Short term suppression of follicular

- recruitment and spontaneous ovulation in the cat using levonorgestrel versus a GnRH antagonist. *General and Comparative Endocrinology*, **144**, 110–21.
- Peña, L., Garcia, P., Jimenez, M. A., Benito, A., Alenza, M. D. P., and Sanchez, B. (2006) Histopathological and immunohistochemical findings in lymphoid tissues of the endangered Iberian lynx (*Lynx pardinus*). *Comparative Immunology Microbiology and Infectious Diseases*, **29**, 114–26.
- Pence, D. B. and Ueckermann, E. (2002) Sarcoptic mange in wildlife. *Revue Scientifique et Technique de l'Office International Des Epizooties*, **21**, 385–98.
- Pence, D. B. and Windberg, L. A. (1994) Impact of a sarcoptic mange epizootic on a coyote population. *Journal of Wildlife Management*, **58**, 624–32.
- Pence, D. B., Tewes, M. E., Shindle, D. B., and Dunn, D. M. (1995) Notoedric mange in an ocelot (*Felis pardalis*) from southern Texas. *Journal of Wildlife Diseases*, **31**, 558–61.
- Pence, D. B., Matthews, F. D., and Windberg, L. A. (1982) Notoedric mange in the bobcat, *Felis rufus*, from south Texas. *Journal of Wildlife Diseases*, **18**, 47–50.
- Pennycuik, C. J. and Rudnai, J. A. (1970) A method of identifying individual lions *Panthera leo* with an analysis of the reliability of identification. *Journal of Zoology*, **160**, 497–508.
- Penzhorn, B. L. (2006) Babesiosis of wild carnivores and ungulates. *Veterinary Parasitology*, **138**, 11–21.
- Penzhorn, B. L., Kjemtrup, A. M., Lopez-Rebollar, L. M., and Conrad, P. A. (2001) *Babesia leo* n. sp from lions in the Kruger National Park, South Africa, and its relation to other small piroplasms. *Journal of Parasitology*, **87**, 681–5.
- Pereira, J. A., Fracassi, N. G., and Uhart, M. M. (2006) Numerical and spatial responses of Geoffroy's cat (*Oncifelis geoffroyi*) to prey decline in Argentina. *Journal of Mammalogy*, **87**, 1132–9.
- Pereira, J., Varela, D., and Fracassi, N. (2002) Pampas cat in Argentina: is it absent from the pampas? *Cat News*, **36**, 20–2.
- Perez, I., Geffen, E., and Mokady, O. (2006) Critically endangered Arabian leopards *Panthera pardus nimr* in Israel: estimating population parameters using molecular scatology. *Oryx*, **40**, 295–301.
- Perez, J., Calzada, J., Leon Vizcaino, L., Cubero, M. J., Velarde, J., and Mozos, E. (2001) Tuberculosis in an Iberian lynx (*Lynx pardinus*). *Veterinary Record*, **148**, 414–15.
- Perovic, P. G. and Herrán, M. (1998) Distribucion del jaguar *Panthera onca* en las provincias de Jujuy y Salta, noroeste de Argentina. *Mastozoología Neotropical*, **5**, 47.
- Perovic, P. G., Walker, S., and Novaro, A. (2003) New records of the endangered Andean mountain cat in northern Argentina. *Oryx*, **37**, 374–7.
- Perovic, P. G. (2002) Conservación del jaguar en el noroeste de Argentina. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio*, pp. 183–97. Fondo de Cultura Economica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Peterhans, J. C. K. and Gnoske, T. P. (2001) The science of 'man-eating' among lions *Panthera leo* with a reconstruction of the natural history of the 'Man-eaters of Tsavo'. *Journal of East African Natural History*, **90**, 1–40.
- Peters, G. (2002) Purring and similar vocalizations in mammals. *Mammal Review*, **32**, 245–71.
- Peters, G. and Hast, M. H. (1994) Hyoid structure, laryngeal anatomy, and vocalization in felids (Mammalia: Carnivora: Felidae). *Zeitschrift für Säugetierkunde*, **59**, 87–104.
- Peters, G. and Wozencraft, W. C. (1989) Acoustic communication by fissioned carnivores. In J. L. Gittleman (ed.), *Carnivore Behavior, Ecology and Evolution*, pp. 14–56. Chapman and Hall, London, UK.
- Peters, J. C. and Zwart, P. (1973) Sarcoptesräude bei Schneeleoparden. *Erkrankungen der Zootiere*, **15**, 333–4.
- Peters, G., Baum, L., Peters, M. K., and Tonkin-Leyhausen, B. (2009) Spectral characteristics of intense mew calls in cat species of the genus *Felis* (Mammalia: Carnivora: Felidae). *Journal of Ethology*, **27**, 221–37.
- Peters, R. H. (1983) *The Ecological Implications of Body Size*. Cambridge University Press, Cambridge, UK.
- Pettorelli, N. and Durant, S. M. (2007a) Family effects on early survival and variance in long-term reproductive success of female cheetahs. *Journal of Animal Ecology*, **76**, 908–14.
- Pettorelli, N. and Durant, S. M. (2007b) Longevity in cheetahs: the key to success? *Oikos*, **116**, 1879–86.
- Phelan, P. and Sliwa, A. (2005) Range size and den use of Gordon's wildcats *Felis silvestris gordonii* in the Emirate of Sharjah, United Arab Emirates. *Journal of Arid Environments*, **60**, 15–25.
- Philippa, J. D. W., Martina, B. E. E., Kuiken, T., et al. (2004) Antibodies to selected pathogens in free-ranging terrestrial carnivores and marine mammals in Canada. *Veterinary Record*, **155**, 135–43.
- Phillips, J. A., Worley, M. B., Morsbach, D., and Williams, T. M. (1993) Relationship among diet, growth and occurrence of focal palatine erosion in wild-caught captive cheetahs. *Madoqua*, **18**, 79–83.
- Phillips, M. (1995) Conserving the red wolf. *Canid News*, **3**, 13–35.
- Pianka, E. R. (1973) The structure of lizard communities. *Annual Review of Ecology and Systematics*, **4**, 53–74.
- Piechocki, R. (1990) *Der Tiger*. Ziemsen, Wittenberg Lutherstadt, Germany.
- Pierce, B. M., Bleich, V. C., Terry Bowyer, R., and Wehausen, J. D. (1999) Migratory patterns of mountain lions: implications for social regulation and conservation. *Journal of Mammalogy*, **80**, 986–92.
- Pierpaoli, M., Biro, Z. S., Herrmann, M., et al. (2003) Genetic distinction of wildcat (*Felis silvestris*) populations in Europe, and hybridisation with domestic cats in Hungary. *Molecular Ecology*, **12**, 2585–98.

- Pimm, S. L. (1991) *The Balance of Nature: Ecological Issues in the Conservation of Species and Communities*. University of Chicago Press, Chicago, IL.
- Pires, A. E. and Fernandes, M. L. (2003) Last lynxes in Portugal? Molecular approaches in a pre-extinction scenario. *Conservation Genetics*, **4**, 525–32.
- Piveteau, J. (1961) Les carnivores. In J. Piveteau (ed.), *Traité de Paléontologie, Tome VI*, pp. 641–820. Masson et Cie, Paris, France.
- Pocock, R. I. (1951) *Catalogue of the Genus Felis*. British Museum (Natural) History, London, UK.
- Pocock, R. I. (1939) Family Felidae. In *Fauna of British India Including Ceylon and Burma. Mammalia*, pp. 190–331. Taylor & Francis, London, UK.
- Pocock, R. I. (1932) The leopards of Africa. *Proceedings of the Zoological Society of London*, **1932**, 543–91.
- Pocock, R. I. (1930) The panthers and ounces of Asia. *Journal of the Bombay Natural History Society*, **34**, 64–82, 307–36.
- Pocock, R. I. (1917b) On the external characters of the Felidae. *Annals and Magazine of Natural History*, **19**, 113–36.
- Pocock, R. I. (1917a) The classification of existing Felidae. *Annals and Magazine of Natural History Series 8*, **20**, 329–50.
- Pocock, R. I. (1916) On some of the cranial and external characters of the hunting leopard or cheetah (*Acinonyx jubatus*). *Annals and Magazine of Natural History*, **18**, 419–29.
- Pocock, R. I. (1907) Notes upon some African species of the genus *Felis*, based upon specimens recently exhibited in the Society's Gardens. *Proceedings of the Zoological Society of London*, **1907**, 656–77.
- Polisar, J., Maxit, I., Scognamillo, D., Farrell, L., Sunquist, M. E., and Eisenberg, J. F. (2003) Jaguars, pumas, their prey base, and cattle ranching: ecological interpretations of a management problem. *Biological Conservation*, **109**, 297–310.
- Pollak, J. P., Ballou, J., and Lacy, R. C. (2004) *PM2000*. American Zoo and Aquarium Association, Brookfield Zoo, Chicago Zoological Society, and Smithsonian National Zoological Park.
- Pollock, K. H., Winterstein, S. R., and Conroy, M. J. (1989) Estimation and analysis of survival distribution for radio-tagged animals. *Biometrics*, **45**, 99–109.
- Poole, K. G. (2003) A review of the Canada lynx, *Lynx canadensis*, in Canada. *Canadian Field-Naturalist*, **117**, 360–76.
- Poole, K. G. (1997) Dispersal patterns of lynx in the Northwest Territories. *Journal of Wildlife Management*, **61**, 497–505.
- Poole, K. G. (1995) Spatial organization of a lynx population. *Canadian Journal of Zoology*, **73**, 632–41.
- Poole, K. G. (1994) Characteristics of an unharvested lynx population during a snowshoe hare decline. *Journal of Wildlife Management*, **58**, 608–18.
- Poole, K. G., Wakelyn, L. A., and Nicklen, P. N. (1996) Habitat selection by lynx in the Northwest Territories. *Canadian Journal of Zoology*, **74**, 845–50.
- Pope, C. E. (2000) Embryo technology in conservation efforts for endangered felids. *Theriogenology*, **53**, 163–74.
- Pope, C. E., Gomez, M. C., and Dresser, B. L. (2006) In vitro embryo production and embryo transfer in domestic and non-domestic cats. *Theriogenology*, **66**, 1518–24.
- Popper, K. R. and NetLibrary, I. (2002) *The Logic of Scientific Discovery*. Routledge Classics, London and New York.
- Population World Net (2009) <[www.populationworld.net/country\\_rankings/2020.html](http://www.populationworld.net/country_rankings/2020.html)>. Accessed online 10 May 2009.
- Potts, F. C., Goodwin, H., and Walpole, M. J. (1996) People, wildlife and tourism in and around Hwange National Park, Zimbabwe. In M. F. Price (ed.), *People and Tourism in Fragile Environments*, pp 199–219. John Wiley & Sons Ltd, Chichester, UK.
- Prevosti, F. J. (2006) New material of Pleistocene cats (Carnivora, Felidae) from southern South America, with comments on biogeography and the fossil record. *Geobios*, **39**, 679–94.
- Prikhodko, V. I. (2003) *Musk Deer: Distribution, Systematics, Ecology, Behaviour, and Communication*. GEOS, Moscow, Russia.
- Pringle, J. A. and Pringle, V. L. (1979) Observations on the lynx *Felis caracal* in the Bedford district. *South African Journal of Zoology*, **14**, 1–4.
- PRODES. (2007) *Monitoring of the Brazilian Amazon by Satellite*. Brazil's National Institute for Space Research, São José dos Campos, Brazil.
- Proulx, G. (1999) Review of current mammal trapping technology in North America. In G. Proulx (ed.), *Mammal Trapping*, pp. 1–46. Alpha Wildlife Research & Management Ltd, Sherwood Park, AB.
- Pukazhenth, B. S. and Wildt, D. E. (2004) Which reproductive technologies are most relevant to studying, managing and conserving wildlife? *Reproduction Fertility and Development*, **16**, 33–46.
- Pukazhenth, B. S., Neubauer, K., Jewgenow, K., Howard, J., and Wildt, D. E. (2006) The impact and potential etiology of teratospermia in the domestic cat and its wild relatives. *Theriogenology*, **66**, 112–21.
- Purchase, G. K. (1998) *An assessment of the success of a cheetah re-introduction project in Matusadona National Park*. MSc dissertation, University of Zimbabwe, Harare, Zimbabwe.
- Purchase, G. K. and Vhurumuku, G. (2005) *Evaluation of a Wild-Wild Translocation of Cheetah (Acinonyx jubatus) from Private Land to Matusadona National Park Zimbabwe (1994–2005)*. The Zambezi Society, Harare, Zimbabwe.
- Purchase, G. K., Mateke, C., and Purchase, D. (2007) *A Review of the Status and Distribution of Carnivores and Levels of Human-Carnivore Conflict in Protected Areas and Surrounds of the Zambezi Basin*. The Zambezi Society and Fauna and Flora International, Bulawayo, Zimbabwe.
- Pusey, A. E. (1990) Mechanisms of inbreeding avoidance in non-human primates. In J. R. Feierman (ed.), *Pedophilia: Biosocial Dimensions*, pp. 201–20. Springer-Verlag, New York.



- Pusey, A. E. and Packer, C. (1994) Non-offspring nursing in social carnivores: minimizing the costs. *Behavioral Ecology*, **5**, 362–74.
- Pusey, A. E. and Packer, C. (1987) The evolution of sex-biased dispersal in lions. *Behaviour*, **101**, 275–310.
- Putman, R. J. (1984) Facts from faeces. *Mammal Review*, **14**, 79–97.
- Pyke, G. H., Pulliam, H. R., and Charnov, E. L. (1977) Optimal foraging: a selective review of theory and tests. *Quarterly Review of Biology*, **52**, 137–54.
- Qiu, Z. (2003) Dispersals of neogene carnivorans between Asia and North America. *Bulletin American Museum of Natural History*, **279**, 18–31.
- Qiu, Z. and Gu, Y. (1996) The Middle Miocene vertebrate fauna from Xiaocowan, Sihong Co., Jiangsu Province. 3. Two species of fossil carnivores: *Semigenetta* and *Pseudaelurus*. *Vertebrata Palasiatica*, **24**, 1–31.
- Quammen, D. (2004) *Monster of God: The Man-Eating Predator in the Jungles of History and the Mind*. W.W. Norton, New York.
- Quan, J., Barton, D., and Conroy, C. (1994) *A Preliminary Assessment of the Economic Impact of Desertification in Namibia*. Directorate of Environmental Affairs, Windhoek, Namibia.
- Queller, D. C. and Goodnight, K. F. (1989) Estimating relatedness using genetic-markers. *Evolution*, **43**, 258–75.
- Quigley, H. B. (1987) *Ecology and conservation of the jaguar in the Pantanal Region, Mato Grosso do Sul, Brazil*. PhD dissertation, University of Idaho, Moscow, ID.
- Quigley, H. B. and Crawshaw, P. G. (2002) Reproduccion, crecimiento y dispersion del jaguar en la region del Pantanal de Brasil. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio*, pp. 289–302. Fondo de Cultura Economica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Quigley, H. B. and Crawshaw, P. G. (1992) A conservation plan for the jaguar *Panthera onca* in the Pantanal region of Brazil. *Biological Conservation*, **61**, 149–57.
- Quigley, H. B. and Herrero, S. (2005) Characterisation and prevention of attacks on humans. In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict or Coexistence?* Cambridge University Press, Cambridge, UK.
- Quinn, N. W. S. and Thompson, J. E. (1987) Dynamics of an exploited Canada lynx population in Ontario. *Journal of Wildlife Management*, **51**, 297–305.
- Rabinowitz, A. (2008) *Life in the Valley of Death: The Fight to Save Tigers in a Land of Guns, Gold, and Greed*. Island Press, Washington DC.
- Rabinowitz, A. (2007) Connecting the dots: saving a species throughout its range. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 61. Wildlife Conservation Research Unit, Oxford, UK.
- Rabinowitz, A. (2006) Jaguar Corridor Initiative. <[www.panthera.org/jaguar\\_corridor.html](http://www.panthera.org/jaguar_corridor.html)>. Accessed online 15 Dec 2008.
- Rabinowitz, A. (2005) Jaguars and livestock: living with the world's third largest cat. In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict or Coexistence?*, pp. 278–85. Cambridge University Press, Cambridge, UK.
- Rabinowitz, A. (1999) The status of the Indochinese tiger: separating fact from fiction. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human Dominated Landscapes*, pp. 148–65. Cambridge University Press, Cambridge, UK.
- Rabinowitz, A. (1990) Notes on the behavior and movements of leopard cats, *Felis bengalensis*, in a dry tropical forest mosaic in Thailand. *Biotropica*, **22**, 397–403.
- Rabinowitz, A. (1989) The density and behavior of large cats in a dry tropical forest mosaic in Huai Kha Khaeng Wildlife Sanctuary, Thailand. *Natural History Bulletin of the Siam Society*, **37**, 235–51.
- Rabinowitz, A. (1986) Jaguar predation on domestic livestock in Belize. *Wildlife Society Bulletin*, **14**, 170–4.
- Rabinowitz, A. and Nottingham, B. G. (1989) Mammal species richness and relative abundance of small mammals in a subtropical wet forest of Central America. *Mammalia*, **53**, 217–26.
- Rabinowitz, A. and Nottingham, B. G. (1986) Ecology and behaviour of the Jaguar (*Panthera onca*) in Belize, Central America. *Journal of Zoology*, **210**, 149–59.
- Rabinowitz, A., Andau, P., and Chai, P. P. K. (1987) The clouded leopard in Malaysian Borneo. *Oryx*, **21**, 107–11.
- Radinsky, L. (1975) Evolution of the felid brain. *Brain, Behaviour and Ecology*, **11**, 214–54.
- Radinsky, L. B. (1981) Evolution of skull shape in carnivores 1. Representative modern carnivores. *Biological Journal of the Linnean Society*, **15**, 369–88.
- Radloff, F. G. T. and du Toit, J. T. (2004) Large predators and their prey in a southern African savanna: a predator's size determines its prey size range. *Journal of Applied Ecology*, **73**, 410–23.
- Ragg, J. R., Moller, H., and Waldrup, K. A. (1995) The prevalence of bovine tuberculosis (*Mycobacterium bovis*) infections in feral populations of cats (*Felis catus*), ferrets (*Mustela furo*) and stoats (*Mustela erminea*) in Otago and Southland, New Zealand. *New Zealand Veterinary Journal*, **43**, 333–7.
- Ragni, B., and Randi, E. (1986) Multivariate analysis of craniometric characteristics in European wild cat, domestic cat, and African wild cat (genus *Felis*). *Zeitschrift fuer Saeugetierkunde*, **51**, 243–51.
- Rajaratnam, R., Sunquist, M., Rajaratnam, L., and Ambu, L. (2007) Diet and habitat selection of the leopard cat (*Prionailurus bengalensis borneoensis*) in an agricultural landscape in Sabah, Malaysian Borneo. *Journal of Tropical Ecology*, **23**, 209–17.
- Ralls, K., Brugger, K., and Ballou, J. (1979) Inbreeding and juvenile mortality in small populations of ungulates. *Science*, **206**, 1101–3.

- Ramirez, M. (2005) A long history of transboundary friendship in central America. In R. Mittermeier, C. F. Kormos, C. Mittermeier, P. Robles Gil, T. Sandwith, and C. Besançon (eds.), *Transboundary Conservation: A New Vision for Protected Areas*, pp. 291–6. CEMEX/Conservation International, Arlington, VA.
- Ramsauer, S., Bay, G., Meli, M., Hofmann-Lehmann, R., and Lutz, H. (2007) Seroprevalence of selected infectious agents in a free-ranging, low-density lion population in the Central Kalahari game reserves in Botswana. *Clinical and Vaccine Immunology*, **14**, 808–10.
- Randall, D. A., Marino, J., Haydon, D. T., et al. (2006) An integrated disease management strategy for the control of rabies in Ethiopian wolves. *Biological Conservation*, **131**, 151–62.
- Randi, E., Pierpaoli, M., Beaumont, M. A., Ragni, B., and Sforzi, A. (2001) Genetic identification of wild and domestic cats (*Felis silvestris*) and their hybrids using Bayesian clustering methods. *Molecular Biology and Evolution*, **18**, 1679–93.
- Randi, E. and Ragni, B. (1991) Genetic variability and biochemical systematics of domestic and wild cat populations (*Felis silvestris*, Felidae). *Journal of Mammalogy*, **72**, 79–88.
- Ranganathan, J., Chan, K. M. A., Karanth, K. U., and Smith, J. L. D. (2008) Where can tigers persist in the future? A landscape-scale, density-based population model for the Indian subcontinent. *Biological Conservation*, **141**, 67–77.
- Rangarajan, M. (2001) *India's Wildlife History: An Introduction*. Orient Longman, New Delhi, India.
- Ranta, E., Kaitala, V., and Lindström, J. (1997) Dynamics of Canadian lynx populations in space and time. *Ecography*, **20**, 454–60.
- Rao, M. V. S. and Eswar, A. (1980) Observations on the mating-behaviour and gestation period of the Asiatic lion, *Panthera leo* at the zoological park, Trivandrum, Kerala. *Comparative Physiology and Ecology*, **5**, 78–80.
- Rasker, R., Waring, S., and Carter, R. (2006) *You've Come a Long Way, Cowboy: Ten Truths and Trends on the New American West*. Sonoran Insitute, Bozeman, MT.
- Rasmussen, D. I. (1941) Biotic communities of Kaibab Plateau, Arizona. *Ecological Monographs*, **11**, 229–75.
- Rasmussen, G. S. A. (1999) Livestock predation by the painted hunting dog *Lycaon pictus* in a cattle ranching region of Zimbabwe: a case study. *Biological Conservation*, **88**, 133–9.
- Rasmussen, G. S. A., Gusset, M., E., C., and Macdonald, D. W. (2008) Achilles' heel of sociality revealed by energetic poverty trap in cursorial hunters. *American Naturalist*, **172**, 508.
- Rau, J. R. and Jimenez, J. E. (2002) Diet of puma (*Puma concolor*, Carnivora: Felidae) in coastal and Andean ranges of southern Chile. *Studies on Neotropical Fauna and Environment*, **37**, 201–5.
- Rau, J. R., Zuleta, C., Gantz, A., et al. (1998) Biodiversidad de artrópodos y vertebrados terrestres del Norte Grande de Chile. *Revista Chilena de Historia Natural*, **71**, 527–54.
- Rautenbach, I. L. and Nel, J. A. J. (1978) Co-existence in Transvaal carnivore. *Bulletin of the Carnegie Museum of Natural History*, **6**, 132–45.
- Rautner, M., Hardiono, M., and Alfred, R. J. (2005) *Borneo: Treasure Island at Risk*. WWF Germany, Frankfurt, Germany.
- Ray, J. and Butynski, T. (in press) African golden cat *Profelis aurata*. In J. S. Kingdon and M. Hoffmann (eds.), *The Mammals of Africa 5: Carnivora, Pholidota, Perissodactyla*. Academic Press, Amsterdam, the Netherlands.
- Ray, J. C. and Sunquist, M. E. (2001) Trophic relations in a community of African rainforest carnivores. *Oecologia*, **127**, 395–408.
- Ray, J. C., Hunter, L., and Zigouris, J. (2005) *Setting Conservation and Research Priorities for Larger African Carnivores*. Wildlife Conservation Society, New York.
- Ray, N. and Burgman, M. A. (2006) Subjective uncertainties in habitat suitability maps. *Ecological Modelling*, **195**, 172–86.
- Reading, P. R. and Clark, T. W. (1996) Carnivore introductions: an interdisciplinary examination. In J. L. Gittleman, S. M. Funk, D. W. Macdonald, and R. K. Wayne (eds.), *Carnivore Behavior, Ecology and Evolution*, pp. 296–336. Cornell University Press, Ithaca, NY.
- Redfern, J. V., Grant, R., Biggs, H., and Getz, W. M. (2003) Surface-water constraints on herbivore foraging in the Kruger National Park. *Ecology*, **84**, 2092–107.
- Redford, K. H. and Eisenberg, J. F. (1992) *Mammals of the Neotropics, Vol. 2. The Southern Cone*. University of Chicago Press, Chicago, IL.
- Reid, F. A. (1997) *A Field Guide to the Mammals of Central America and Southeast Mexico*. Oxford University Press, Oxford, UK.
- Reig, S., Daniels, M. J., and Macdonald, D. W. (2001) Craniometric differentiation within wild-living cats in Scotland using 3D morphometrics. *Journal of Zoology*, **253**, 121–32.
- Reiss, M. (1988) Scaling of home range size: body size, metabolic needs and ecology. *Trends in Ecology & Evolution*, **3**, 85–6.
- Reumer, J. W. F., Rook, L., van der Borg, K., Post, K., Mol, D., and de Vos, J. (2003) Late Pleistocene survival of the saber-toothed cat *Homotherium* in northwestern Europe. *Journal of Vertebrate Paleontology*, **23**, 260–2.
- Revilla, E., Rodríguez, A., Román, J., and Palomares, F. (2007) Análisis de la viabilidad de la metapoblación de lince ibérico de Doñana: una estrategia de manejo adaptativo para su conservación. In L. Ramírez and B. Asensio (eds.), *Proyectos de investigación en Parques Nacionales: 2003–2006*, pp. 307–23. Organismo Autónomo de Parques Nacionales, Madrid, Spain.

- Revilla, E., Wiegand, T., Palomares, F., Ferreras, P., and Delibes, M. (2004) Effects of matrix heterogeneity on animal dispersal: from individual behavior to metapopulation-level parameters. *American Naturalist*, **164**, E130–53.
- Revilla, E., Palomares, F., and Delibes, M. (2001) Edge-core effects and the effectiveness of traditional reserves in conservation: Eurasian badgers in Doñana National Park. *Conservation Biology*, **15**, 148–58.
- Rexstad, E. and Burnham, K. P. (1991) *User's Guide for Interactive Program CAPTURE. Abundance Estimation of Closed Populations*. Colorado State University, Fort Collins, CO.
- Reynolds, J. C. and Aebischer, N. J. (1991) Comparison and quantification of carnivore diet by faecal analysis: a critique, with recommendations, based on a study of the fox *Vulpes vulpes*. *Mammal Review*, **21**, 97–122.
- Rhymer, J. M. and Simberloff, D. (1996) Extinction by hybridization and introgression. *Annual Review of Ecology and Systematics*, **27**, 83–109.
- Riebsame, W. E. (ed.) (1997) *Atlas of the New West: Portrait of a Changing Region*. W.W. Norton and Co., New York.
- Riley, S. J. (1998) *Integration of environmental, biological, and human dimensions for management of mountain lions (Puma concolor) in Montana*. PhD dissertation, Cornell University, Ithaca, NY.
- Riley, S. P. D., Bromley, C., Poppenga, R. H., Uzai, F. A., Whited, L., and Sauvajot, R. M. (2007) Anticoagulant exposure and notoedric mange in bobcats and mountain lions in urban southern California. *Journal of Wildlife Management*, **71**, 1874–84.
- Riley, S. P. D., Foley, J., and Chomel, B. (2004) Exposure to feline and canine pathogens in bobcats and gray foxes in urban and rural zones of a national park in California. *Journal of Wildlife Diseases*, **40**, 11–22.
- Riordan, P. (1998) Unsupervised recognition of individual tigers and snow leopards from their footprints. *Animal Conservation*, **1**, 253–62.
- Ritchie, J. (1920) *The Influence of Man on Animal Life in Scotland*. Cambridge University Press, Cambridge, UK.
- Ritland, K. (2005) Multilocus estimation of pairwise relatedness with dominant markers. *Molecular Ecology*, **14**, 3157–65.
- Robert, N. (2008) Neurologic disorders in cheetahs and snow leopards. In M. E. Fowler and R. E. Miller (eds.), *Zoo and Wild Animal Medicine: Current Therapy*, pp. 265–71. Saunders Elsevier, St Louis, MO.
- Roberts, A. (1951) Felidae. In *The Mammals of South Africa*, pp. 173–94. The Mammals of South Africa Book Fund, Johannesburg, South Africa.
- Roberts, S. J. (1971) *Veterinary Obstetrics and Genital Diseases: Thereogenology*. Edwards Brothers Inc., Ann Arbor, MI.
- Roberts, T. J. (1977) Family Felidae. In *The Mammals of Pakistan*, pp. 138–58. Ernest Benn Limited, London, UK.
- Rocha-Mendes, F. (2005) *Ecologia alimentar de carnívoros (Mammalia: Carnivora) e elementos de etnozoologia do município de Fênix, Paraná, Brasil*. MS dissertation, Universidade Estadual Paulista, São Paulo, Brazil.
- Rocha, F. L. (2006) *Áreas de uso e seleção de habitat por três espécies de carnívoros de médio porte na Fazenda Nhumirim e arredores, Pantanal de Nhecolândia, MS*. MS dissertation, Universidade Federal do Mato Grosso do Sul, Corumbá, Brazil.
- Rodenburg, W. (1977) *The Trade in Wild Animal Furs in Afghanistan*. UNDP FAO and Department of Forests and Wildlife, Kabul, Afghanistan.
- Rodgers, A. R. (2001) Recent telemetry technology. In J. J. Millspaugh and J. M. Marzloff (eds.), *Radio Tracking and Animal Populations*, pp. 79–121. Academic Press, San Diego, CA.
- Rodrigues, F. H. G. and Marinho-Filho, J. (1999) Translocation of oncilla and jaguarundi in central Brazil. *Cat News*, **30**, 28.
- Rodríguez, A. (2007) *Lynx pardinus* (Temminck, 1827). In L. J. Palomo, J. Gisbert, and J. C. Blanco (eds.), *Atlas y Libro Rojo de los Mamíferos terrestres de España*, pp. 342–4. Dirección General para la Biodiversidad-SECEM-SECEMU, Madrid, Spain.
- Rodríguez, A. and Delibes, M. (2004) Patterns and causes of non-natural mortality in the Iberian lynx during a 40-year period of range contraction. *Biological Conservation*, **118**, 151–61.
- Rodríguez, A. and Delibes, M. (2003) Population fragmentation and extinction in the Iberian lynx. *Biological Conservation*, **109**, 321–31.
- Rodríguez, A. and Delibes, M. (2002) Internal structure and patterns of contraction in the geographic range of the Iberian lynx. *Ecography*, **25**, 314–28.
- Rodríguez, A. and Delibes, M. (1992) Current range and status of the Iberian lynx *Felis pardina* Temminck, 1824 in Spain. *Biological Conservation*, **61**, 189–96.
- Rodríguez, A. and Delibes, M. (1990) *El lince ibérico en España: distribución y problemas de conservación*. ICONA, Madrid, Spain.
- Roelke-Parker, M. E., Munson, L., Packer, C., et al. (1996) A canine distemper virus epidemic in Serengeti lions (*Panthera leo*). *Nature*, **379**, 441–5.
- Roelke, M. E. (1990) Florida panther biomedical investigation. Final performance report. Florida Game and Fresh Water Fish Commission, Tallahassee, FL.
- Roelke, M. E., Johnson, W. E., Millan, J., et al. (2008) Exposure to disease agents in the endangered Iberian lynx (*Lynx pardinus*). *European Journal of Wildlife Research*, **54**, 171–8.
- Roelke, M. E., Pecon-Slatery, J., Taylor, S., et al. (2006) T-lymphocyte profiles in FIV-infected wild lions and pumas reveal CD4 depletion. *Journal of Wildlife Diseases*, **42**, 234–48.
- Roelke, M. E., Forrester, D. J., Jacobson, E. R., et al. (1993a) Seroprevalence of infectious disease agents in free-

- ranging Florida panthers. *Journal of Wildlife Diseases*, **20**, 36–49.
- Roelke, M. E., Martenson, J. S., and O'Brien, S. J. (1993b) The consequences of demographic reduction and genetic depletion in the endangered Florida panther. *Current Biology*, **3**, 340–50.
- Roelke, M. E., Schultz, D. P., Facemire, C. F., Sundlof, S. F., and Royals, H. E. (1991) Mercury contamination in Florida panthers. A Report of the Florida Panther Technical Subcommittee to the Florida Panther Interagency Committee. Florida Game and Freshwater Fish Commission, Tallahassee, FL.
- Rogers, C. M. L. (1993) *A Woody Vegetation Survey of Hwange National Park*. Department of National Parks and Wildlife Management, Zimbabwe, Harare, Zimbabwe.
- Rohan, M. J. (2000) A rose by any other name? The value construct. *Personality and Social Psychology Review*, **4**, 255–77.
- Roldán, E., Gañán, N., Crespo, C., et al. (2006) A genetic resource bank and development of assisted reproductive technologies for the Iberian lynx. In *Iberian Lynx Ex-Situ Conservation Seminar Series: Book of Proceedings*. Fundación Biodiversidad, Sevilla and Doñana, Spain.
- Román, J., Palomares, F., Revilla, E., et al. (2006) *Seguimiento científico de las actuaciones del proyecto LIFE-naturaleza 'Recuperación de las poblaciones de lince ibérico en Andalucía'*. Consejería de Medio Ambiente, Junta de Andalucía, Sevilla, Spain.
- Román, J., Ruiz, G., López, M., and Palomares, F. (2005) Los linces de Doñana, en la encrucijada: Abandonan el Parque por la escasez de conejos. *Quercus*, **236**, 10–14.
- Romañach, S. S., Linsey, P. A., and Woodroffe, R. (2007) Determinants of attitudes towards predators in central Kenya and suggestions for increasing tolerance in live-stock dominated landscapes. *Oryx*, **41**, 185–95.
- Root, K. V. (2004) Florida panther (*Puma concolor coryi*): using models to guide recovery efforts. In H. R. Akcakaya, M. Burgman, O. Kindvall, et al. (eds.), *Species Conservation and Management: Case Studies*, pp. 491–504. Oxford University Press, Oxford, UK.
- Rosas-Rosas, O. C., Bender, L. C., and Valdez, R. (2008) Jaguar and puma predation on cattle calves in northeastern Sonora, Mexico. *Rangeland Ecology Management*, **61**, 554–60.
- Rose, L. E. (1971) *Nepal: Strategy for Survival*. University of California Press, Berkeley, CA.
- Rosenzweig, M. L. (1966) Community structure in sympatric Carnivora. *Journal of Mammalogy*, **47**, 602–12.
- Rosell, C., Álvarez, G., Cahill, S., Campeny, R., Rodríguez, A., and Seiler, A. (2003) COST 341. *La fragmentación del hábitat en relación con las infraestructuras de transporte en España*. Ministry of the Environment, Madrid, Spain.
- Ross, P. I. and Jalkotzy, M. G. (1992) Characteristics of a hunted population of cougars in Southwestern Alberta. *Journal of Wildlife Management*, **56**, 417–26.
- Rothwell, T. (2003) Phylogenetic systematics of North American *Pseudaelurus* (Carnivora: Felidae). *American Museum Novitates*, **3403**, 1–64.
- Rotstein, D. S., Taylor, S. K., Bradley, J., and Breitschwerdt, E. B. (2000) Prevalence of *Bartonella henselae* antibody in Florida panthers. *Journal of Wildlife Diseases*, **36**, 157–60.
- Rotstein, D. S., Harvey, J. W., Taylor, S. K., and Bean, J. (1999) Hematologic effects of cytauxzoonosis in Florida panthers and Texas cougars in Florida. *Journal of Wildlife Diseases*, **35**, 613–17.
- Roussiakis, S. J., Theodorou, G. E., and Iliopoulos, G. (2006) An almost complete skeleton of *Metaailurus parvulus* (Carnivora, Felidae) from the late Miocene of Kerassia (Northern Euboea, Greece). *Geobios*, **39**, 563–84.
- Royama, T. (1992) *Analytical Population Dynamics*. Chapman & Hall, London, UK.
- Royle, J. A., Nichols, J. D., Karanth, K. U., and Gopalaswamy, A. M. (2009) A hierarchical model for estimating density in camera trap studies. *Journal of Applied Ecology*, **46**, 118–27.
- Rubenstein, D. I. (1982) Risk, uncertainty and evolutionary strategies. In King's College Sociobiology Group (eds.), *Current Problems in Sociobiology*, pp. 91–111. Cambridge University Press, Cambridge, UK.
- Rudnai, J. A. (1979) Ecology of lions in Nairobi National Park and the adjoining Kitengela Conservation Unit in Kenya. *African Journal of Ecology*, **17**, 85–95.
- Rudnai, J. A. (1974) The pattern of lion predation in Nairobi Park. *East Africa Wildlife Journal*, **12**, 213–25.
- Rueness, E. K., Jorde, P. E., Hellborg, L., Stenseth, N. C., Ellegren, H., and Jakobsen, K. S. (2003a) Cryptic population structure in a large, mobile mammalian predator: the Scandinavian lynx. *Molecular Ecology*, **12**, 2623–33.
- Rueness, E. K., Stenseth, N. C., O'Donoghue, M., Boutin, S., Ellegren, H., and Jakobsen, K. S. (2003b) Ecological and genetic spatial structuring in the Canadian lynx. *Nature*, **425**, 69–72.
- Ruggiero, L. F., Aubry, K. B., Buskirk, S. W., et al. (2000) The scientific basis for lynx conservation: qualified insights. In L. F. Ruggiero, K. B. Aubry, S. W. Buskirk, et al. (eds.), *Ecology and Conservation of Lynx in the United States*, pp. 443–54. University Press of Colorado, Boulder, CO.
- Ruiz-García, M., Payán, E., Murillo, A., and Alvarez, D. (2006) DNA microsatellite characterisation of the jaguar (*Panthera onca*) in Colombia. *Genes and Genetic Systems*, **81**, 115–27.
- Ruiz-García, M., Payan, C. E., and Hernandez-Camacho, J. I. (2003) Possible records of *Lynchailurus* in south-western Colombia. *Cat News*, **38**, 37–9.
- Russell, A. P. and Bryant, H. N. (2001) Claw retraction and protraction in Carnivora: the cheetah (*Acinonyx jubatus*) as an atypical felid. *Journal of Zoology*, **254**, 67–76.
- Russello, M. A., Gladyshev, E., Miquelle, D., and Caccione, A. (2004) Potential genetic consequences of a recent

- bottleneck in the Amur tiger of the Russian far east. *Conservation Genetics*, **5**, 707–13.
- Ruth, T. K., Logan, K. A., Sweanor, L. L., Hornocker, M. G., and Temple, L. J. (1998) Evaluating cougar translocation in New Mexico. *Journal of Wildlife Management*, **62**, 1264–75.
- Ryder, O. A. (1986) Species conservation and systematics—the dilemma of subspecies. *Trends in Ecology & Evolution*, **1**, 9–10.
- Ryser-Degiorgis, M. P., Hofmann-Lehmann, R., Leutenegger, C. M., *et al.* (2005) Epizootiologic investigation of selected infectious disease agents in free-ranging Eurasian lynx from Sweden. *Journal of Wildlife Diseases*, **41**, 58–66.
- Ryser-Degiorgis, M. P., Ryser, A., Bacciarini, L. N., *et al.* (2002) Notoedric and sarcoptic mange in free-ranging lynx from Switzerland. *Journal of Wildlife Diseases*, **38**, 228–32.
- Ryser, A., Scholl, M., Zwahlen, M., Oetliker, M., Ryser-Degiorgis, M. P., and Breitenmoser, U. (2005) A remote-controlled teleinjection system for the low-stress capture of large mammals. *Wildlife Society Bulletin*, **33**, 721–30.
- Ryser, A., von Wattenwyl, K., Ryser-Degiorgis, M. P., Willis, C., Zimmermann, F., and Breitenmoser, U. (2004) Luchsumsiedlung Nordostschweiz 2001–2003. KORA-Bericht Nr. 22. KORA, Muri, Switzerland.
- Saberwal, V., Chellam, R., Johnsingh, A. J. T., and Rodgers, W. A. (1990) *Lion-Human Conflicts in Gir Forest and Adjoining Areas*. Wildlife Institute of India, Dehradun, India.
- Saberwal, V. K., Gibbs, J. P., Chellam, R., and Johnsingh, A. J. T. (1994) Lion-human conflict in the Gir Forest, India. *Conservation Biology*, **8**, 501–7.
- Sachdev, M., Sankaranarayanan, R., Reddanna, P., Thanagaraj, K., and Singh, L. (2005) Major histocompatibility complex class I polymorphism in Asiatic lions. *Tissue Antigens*, **66**, 9–18.
- Sachs, J. D. (2005) *The End of Poverty: Economic Possibilities for Our Time*. Penguin Press, New York.
- Sachs, J. D., Baillie, J. E. M., Sutherland, W. J. *et al.* (2009) Biodiversity conservation and the Millennium Development Goals. *Science*, **325**, 1502–03.
- Sadovy, Y. and Cheung, W. L. (2003) Near extinction of a highly fecund fish: the one that nearly got away. *Fish and Fisheries*, **4**, 86–99.
- Saenz, J. C. and Carrillo, E. (2002) Jaguares depredadores de ganado en Costa Rica: un problema sin solución? In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, *et al.* (eds.), *El Jaguar en el Nuevo Milenio.*, pp. 127–37. Fondo de Cultura Económica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Salafsky, N. and Margoluis, R. (1999) Threat reduction assessment: a practical and cost-effective approach to evaluating conservation and development projects. *Conservation Biology*, **13**, 830–41.
- Sales, G. and Pye, D. (1974) *Ultrasonic Communication by Animals*. Chapman and Hall, London, UK.
- Salesa, M. J., Antón, M., Turner, A. and Morales, J. (2005) Aspects of the functional morphology in the cranial and cervical skeleton of the sabre-toothed cat *Paramachairodus ogygia* (Kaup, 1832) (Felidae, Machairodontinae) from the Late Miocene of Spain: implications for the origins of the machairodont killing bite. *Zoological Journal of the Linnean Society*, **144**, 363–77.
- Salesa, M. J., Montoya, P., Alcalá, L., and Morales, J. (2003) El género *Paramachairodus* Pilgrim, 1913 (Felidae, Machairodontinae) en el Mioceno superior español. *Coloquios de Paleontología*, **volumen extraordinario 1**, 603–15.
- Salles, L. O. (1992) Felid phylogenetics: extant taxa and skull morphology (Felidae, Aeluroidea). *American Museum Novitates*, **3047**, 1–67.
- Salom-Pérez, R., Carrillo, E., Saenz, J. C., and Mora, J. M. (2007) Critical condition of the jaguar *Panthera onca* population in Corcovado National Park, Costa Rica. *Oryx*, **41**, 51–6.
- Samuel, M. D. and Fuller, M. R. (1994) Wildlife radiotelemetry. In T. A. Bookhout (ed.), *Research and Management Techniques for Wildlife and Habitats*, pp. 370–418. Wildlife Society, Bethesda, MD.
- Sandell, M. (1989) The mating tactics and spacing patterns of solitary carnivores. In J. L. Gittleman (ed.), *Carnivore Behaviour, Ecology and Evolution*, pp. 164–82. Chapman and Hall, London, UK.
- Sanders, J. K. (1963) Movement and activities of the lynx in New Foundland. *Journal of Wildlife Management*, **27**, 390–400.
- Sanderson, E., Forrest, J., Loucks, C., *et al.* (2006) *Setting Priorities for the Conservation and Recovery of Wild Tigers: 2005–2015. The Technical Assessment*. WCS, WWF, Smithsonian, and NFWF-STF, Washington DC.
- Sanderson, E. W., Jaiteh, M., Levy, M. A., Redford, K. H., Wannebo, A. V., and Woolmer, G. (2002a) The human footprint and the last of the wild. *BioScience*, **52**, 891–904.
- Sanderson, E. W., Redford, K. H., Chetkiewicz, C. B., *et al.* (2002b) Planning to save a species: the jaguar as a model. *Conservation Biology*, **16**, 58–72.
- Sanderson, J. (1999) Andean mountain cats (*Oreailurus jacobita*) in northern Chile. *Cat News*, **30**, 25–6.
- Sanderson, J. G., Sunquist, M. E., and Iriarte, A. W. (2002c) Natural history and landscape-use of guignas (*Oncifelis guigna*) on Isla Grande de Chiloe, Chile. *Journal of Mammalogy*, **83**, 608–13.
- Sandom, C., Bull, J., Canney, S., and Macdonald, D. W., (in press). Landscape scale fenced reserves for ecological restoration in the Scottish Highlands. In M. Hayward (ed.), *Using Fences in Conservation*.
- Sangay, T. and Vernes, K. (2008) Human-wildlife conflict in the Kingdom of Bhutan: patterns of livestock predation by large mammalian carnivores. *Biological Conservation*, **141**, 1272–82.

- Sangay, T. and Wangchuk, T. (2005) *Tiger Action Plan for the Kingdom of Bhutan 2006–2015*. Nature Conservation Division, Department of Forest, Ministry of Agriculture, Royal Government of Bhutan, WWF Bhutan, Thimpu, Bhutan.
- Sanjayan, M. A., Shen, S., and Jansen, M. (1997) *Experiences with Integrated-Conservation Development Projects in Asia*. World Bank Publications, Washington DC.
- Sankhala, K. S. (1977) Records of the tiger hunting in India and Nepal. In *Tiger! The Story of the Indian Tiger*. Collins, London, UK.
- Santymire, R., Lonsdorf, E., and Lynch, C. (2007) Increasing inbreeding results in declining seminal quality, pregnancy success and litter size in the endangered black-footed ferret. In *Proceedings of the Society for Conservation Biology 21st Annual Meeting*, p. 233. Society for Conservation Biology, Washington DC.
- Sardella, R. and Werdelin, L. (2007) *Amphimachairodus* (Felidae, Mammalia) from Sahabi (latest Miocene earliest Pliocene, Libya), with a review of African Miocene Machairodontinae. *Rivista Italiana di Paleontologia e Stratigrafia*, **113**, 67–77.
- Saunders, J. K. (1963a) Food habits of the lynx in Newfoundland. *Journal of Wildlife Management*, **27**, 384–90.
- Saunders, J. K. (1963b) Movements and activities of the lynx in Newfoundland. *Journal of Wildlife Management*, **27**, 390–400.
- Savage, R. J. G. (1977) Evolution in carnivorous mammals. *Palaeontology*, **20**, 237–71.
- Save The Tiger Fund (2009) New report on tiger farms released. <[www.savethetigerfund.org/content/navigationmenu2/initiatives/catt/tigerfarming/default.htm](http://www.savethetigerfund.org/content/navigationmenu2/initiatives/catt/tigerfarming/default.htm)>. Accessed online 10 May 2009.
- Say, L., Pontier, D., and Natoli, E. (1999) High variation in multiple paternity of domestic cats (*Felis catus* L.) in relation to environmental conditions. *Proceedings of the Royal Society of London B*, **266**, 2071–4.
- Schaaf, D. (1978) Some aspects of the ecology of the swamp deer or barasingha (*Cervus d. duvauceli*) in Nepal. In I. M. Cowan and C. W. Holloway (eds.), *Threatened Deer*, pp. 65–86. IUCN, Morges, Switzerland.
- Schaller, G. B. (1998) *Wildlife of the Tibetan Steppe*. Chicago University Press, Chicago, IL.
- Schaller, G. B. (1988) Snow leopard in China. *Snow Line*, **14**, 3.
- Schaller, G. B. (1983) Mammals and their biomass on a Brazilian ranch. *Arquivos de Zoologia*, **31**, 1–36.
- Schaller, G. B. (1979) *On the Status of Jaguar in the Pantanal*. Instituto Brasileiro de Desenvolvimento Sustentável (IBDF), Brasília, Brazil.
- Schaller, G. B. (1972) *The Serengeti Lion: A Study of Predator-Prey Relations*. University of Chicago Press, Chicago, IL.
- Schaller, G. B. (1968) The hunting behaviour of the cheetah in the Serengeti National Park, Tanzania. *East African Wildlife Journal*, **6**, 95–100.
- Schaller, G. B. (1967) *The Deer and the Tiger*. University of Chicago Press, Chicago, IL.
- Schaller, G. B. and Crawshaw, P. G. (1980) Movement patterns of jaguar. *Biotropica*, **12**, 161–8.
- Schaller, G. B. and Vasconcelos, J. M. C. (1978) Jaguar predation on capybara. *Zeitschrift fuer Säugetierkunde*, **43**, 296–301.
- Schaller, G. B., Tserendeleg, J., and Amarasanaa, G. (1994) Observations on snow leopards in Mongolia. In J. L. Fox and D. Jizeng (eds.) *Proceedings of the 7th International Snow Leopard Symposium*, pp. 33–46. Northwest Plateau Institute of Biology and International Snow Leopard Trust, Seattle, WA.
- Schaller, G. B., Junrang, R., and Ming Jiang, Q. (1988) Status of the snow leopard *Panthera uncia* in Qinghai and Gansu Provinces, China. *Biological Conservation*, **45**, 179–94.
- Schaller, G. B., Li, H., Ren, J. R., Qiu, M. J., and Wang, H. B. (1987) Status of large mammals in the Taxkorgan Reserve, Xinjiang, China. *Biological Conservation*, **42**, 53–71.
- Schauenberg, P. (1977) Longueur de l'intestin du chat forestier *Felis silvestris* Schreber. *Mammalia*, **41**, 357–60.
- Schauenberg, P. (1974) Données nouvelles sur le chat des sables *Felis margarita* Loche, 1858. *Revue suisse de Zoologie*, **81**, 949–69.
- Schauenberg, P. (1969) L'identification du chat forestier *Felis s. silvestris* Schreber 1777, par une méthode ostéométrique. *Revue Suisse Zoologie*, **76**, 433–41.
- Scheel, D. and Packer, C. (1995) Variation in predation by lions: tracking a moveable feast. In A. R. E. Sinclair and P. Arcese (eds.), *Serengeti II: Dynamics, Management and Conservation of an Ecosystem*, pp. 299–314. University of Chicago Press, Chicago, IL.
- Scheel, D. and Packer, C. (1991) Group hunting behaviour of lions: a search for cooperation. *Animal Behaviour*, **41**, 697–709.
- Schelling, T. (1960) *The Strategy of Conflict*. Harvard University Press, Cambridge, MA.
- Schemnitz, S. D. (ed.) (1980) *Wildlife Management Techniques Manual*. Wildlife Society, Washington DC.
- Scherr, S. J. (2000) A downward spiral? Research evidence on the relationship between poverty and natural resource degradation. *Food Policy*, **25**, 479–98.
- Schiaffino, K., Malmierca, L., Perovic, P., et al. (2002) Depredation de credos domesticos por jaguar en un rea rural vecina a un parque nacional en el noreste de Argentina. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, et al. (eds.), *El Jaguar en el Nuevo Milenio*, p. 251. Fondo de Cultura Economica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Schiess-Meier, M., Ramsauer, S., Gabanapelo, T., and König, B. (2007) Livestock predation—insights from problem animal control registers in Botswana. *Journal of Wildlife Management*, **71**, 1267–74.

- Schipper, J., Chanson, J. S., Chiozza, F., *et al.* (2008) The status of the world's land and marine mammals: diversity, threat, and knowledge. *Science*, **322**, 225–30.
- Schmidt-Kittler, N. (1990) A biochronologic subdivision of the European Paleogene based on mammals—report on results of the Paleogene symposium held in Mainz in February 1987. In E. H. Lindsay, V. Fahlbusch, and P. Mein (eds.), *European Neogene Mammal Chronology*, pp. 47–50. Plenum Press, New York.
- Schmidt-Kittler, N. (1976) Raubtiere aus dem Jungtertiär Kleinasien. *Paleontographica, Abt. A*, **155**, 1–131.
- Schmidt-Posthaus, H., Breitenmoser-Würsten, C., Posthaus, H., Bacciarini, L., and Breitenmoser, U. (2002a) Causes of mortality in a reintroduced Eurasian lynx in Switzerland. *Journal of Wildlife Diseases*, **38**, 84–92.
- Schmidt-Posthaus, H., Breitenmoser-Würsten, C., Posthaus, H., Bacciarini, L. N., and Breitenmoser, U. (2002b) Pathological investigation of mortality in reintroduced Eurasian lynx (*Lynx lynx*) populations in Switzerland. *Journal of Wildlife Diseases*, **38**, 84–92.
- Schmidt, K., Nakanishi, N., Okamura, M., Doi, T., and Izawa, M. (2003) Movements and use of home range in the Iriomote cat (*Prionailurus bengalensis iriomotensis*). *Journal of Zoology*, **261**, 273–83.
- Schmidt, K., Jedrzejewski, W., and Okarma, H. (1997) Spatial organization and social relations in the Eurasian lynx population in Białowieża Primeval Forest, Poland. *Acta Theriologica*, **42**, 289–312.
- Schmunis, G. A. (2004) Medical significance of African Trypanosomiasis. In I. Maudlin, P. H. Holmes, and M. A. Mills (eds.), *The Trypanosomiasis*. CAB International, Wallingford, UK.
- Schneider, H. P. (1994) *Animal Health and Veterinary Medicine in Namibia*. AGRIVET, Windhoek, Namibia.
- Schoener, T. W. (1984) Size differences among sympatric bird eating hawks: a worldwide survey. In D. R. Strong, S. D. L. G. Abele, and A. B. Thistle (eds.), *Ecological Communities: Conceptual Issues and the Evidence*, pp. 254–78. Princeton University Press, Princeton, NJ.
- Schoener, T. W. (1974) Resource partitioning in ecological communities. *Science*, **185**, 27–39.
- Schortemeyer, J. L., Maehr, D. S., McCown, J. W., Land, E. D., and Manor, P. D. (1991) Prey management for the Florida panther: a unique role for wildlife managers. *Transactions of the North American Wildlife and Natural Resources Conference*, **56**, 512–26.
- Schultz, C. B., Schultz, M. R., and Martin, L. D. (1970) A new tribe of saber-toothed cats (Barbourofelini) from the Pliocene of North America. *Bulletin of the University of Nebraska State Museum*, **9**, 1–31.
- Schulze, R. E. and McGee, O. S. (1978) Climatic indices and classifications in relation to the biogeography of southern Africa. In M. J. A. Werger (ed.), *Biogeography and Ecology of South Africa*, pp. 19–52. Junk, The Hague, the Netherlands.
- Schumann, B. and Fabiano, E. (2006) *Evaluation of the Integrated Livestock and Predator Management Training Courses for Emerging Farmers, 15–19 May and 19–23 June 2006*. Cheetah Conservation Fund, Otjiwarongo, Namibia.
- Schumann, M. (ed.) (2003) *Guide to Integrated Livestock and Predator Management: CCF RISE Namibia Communal Conservancy Shepherd Training Course Proceedings*. Cheetah Conservation Fund, Windhoek, Namibia.
- Schumann, M., Schumann, B., Dickman, A. J., Watson, L. H., and Marker, L. (2006) Assessing the use of swing gates in game fences as a potential non-lethal predator exclusion technique. *South African Journal of Wildlife Research*, **36**, 173–81.
- Schürer, U. (1988) Breeding black-footed cats (*Felis nigripes*) at Wuppertal Zoo, with notes on their reproductive biology. In B. L. Dresser, R. W. Reece, and E. J. Maruska (eds.), *Proceedings 5th World Conference on Breeding Endangered Species in Captivity, October 9–12, 1988*, pp. 547–54. Cincinnati Zoo and Botanical Garden Cincinnati, Cincinnati, OH.
- Schwartz, C. C. and Arthur, S. M. (1999) Radio-tracking large wilderness mammals: integration of GPS and ARGOS technology. *Ursus*, **11**, 261–74.
- Schwartz, M. K., Luikart, G., and Waples, R. S. (2007) Genetic monitoring as a promising tool for conservation and management. *Trends in Ecology & Evolution*, **22**, 25–33.
- Schwartz, M. K., Pilgrim, K. L., McKelvey, K. S., *et al.* (2004) Hybridization between Canada lynx and bobcats: genetic results and management implications. *Conservation Genetics*, **5**, 349–55.
- Schwartz, M. K., Pilgrim, K. L., McKelvey, K. S., *et al.* (2003) Hybridization between Canada lynx and bobcats: genetic results and management implications. *Conservation Genetics*, **5**, 349–55.
- Schwartz, M. K., Mills, L. S., McKelvey, K. S., Ruggiero, L. F., and Allendorf, F. W. (2002) DNA reveals high dispersal synchronizing the population dynamics of Canada lynx. *Nature*, **415**, 520–2.
- Schwerdtner, K. and Gruber, B. (2007) A conceptual framework for damage compensation schemes. *Biological Conservation*, **134**, 354–60.
- Scognamillo, D., Maxit, I. E., Sunquist, M., and Polisar, J. (2003) Coexistence of jaguar (*Panthera onca*) and puma (*Puma concolor*) in a mosaic landscape in the Venezuelan llanos. *Journal of Zoology*, **259**, 269–79.
- Scognamillo, D., Maxit, I., Sunquist, M. E., and Farrell, L. (2002) Ecología del jaguar y el problema de la depredación de ganado en un hato de los llanos venezolanos. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, *et al.* (eds.), *El Jaguar en Nuevo Milenio*, p. 139. Fondo de Cultura Económica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.

- Scott, J. and Scott, A. (2003) *Big Cat Diary: Leopard*. Harper Collins, London, UK.
- Scott, J. M., Heglund, P., and Morrison, M. L. (2002) *Predicting Species Occurrences: Issues of Scale and Accuracy*. Island Press, Washington DC.
- Seal, U. S. (1994) A plan for genetic restoration and management of the Florida panther (*Felis concolor coryi*). Report to the Florida Game and Freshwater Fish Commission. Conservation Breeding Specialist Group, Apple Valley, MN.
- Seal, U. S. and Lacy, R. C. (1992) *Genetic Management Strategies and Population Viability of the Florida Panther* (*Felis concolor coryi*). US Fish and Wildlife Service, Apple Valley, MN.
- Seal, U. S. and Lacy, R. C. (1989) *Florida Panther Population Viability Analysis*. US Fish and Wildlife Service, Apple Valley, MN.
- Seal, U. S., Tilson, R. L., Plotka, E. D., Reindl, N. J., and Seal, M. F. (1987) Behavioural indicators and endocrine correlates of estrous and anestrus in Siberian tigers. In U. S. Seal and R. L. Tilson (eds.), *Tigers of the World: The Biology, Biopolitics, Management, and Conservation of an Endangered Species*, pp. 244–54. Noyes Publications, Park Ridge, NJ.
- Seaman, D. E., Griffith, B., and Powell, R. A. (1998) KERNELHR: a program for estimating animal home ranges. *Wildlife Society Bulletin*, **26**, 95–100.
- Sechele, M. L. and Nzhengwa, D. M. (2002) Human predator conflicts and control measures in North-west district, Botswana. In A. J. Loveridge, T. Lynam, and D. W. Macdonald (eds.), *Lion Conservation Research. Workshop 2: Modelling Conflict*, pp. 23–4. Wildlife Conservation Research Unit, Oxford, UK.
- Seidensticker, J. (2002) Tiger tracks. *Smithsonian*, **32**, 64–7.
- Seidensticker, J. (1986) Large carnivores and the consequences of habitat insularization: ecology and conservation of tigers in Indonesia and Bangladesh. In S. D. Miller and D. D. Everett (eds.), *Cats of the World: Biology, Conservation, and Management*, pp. 1–42. National Wildlife Federation, Washington DC.
- Seidensticker, J. (1976a) On the ecological separation between tigers and leopards. *Biotropica*, **8**, 225–34.
- Seidensticker, J. (1976b) Ungulate populations in Chitawan Valley, Nepal. *Biological Conservation*, **10**, 183–210.
- Seidensticker, J. and Lumpkin, S. (2006) Building an arc. *Smithsonian*, **37**, 56–63.
- Seidensticker, J. and McDougal, C. W. (1993) Tiger predatory behaviour, ecology and conservation. *Symposia of the Zoological Society of London*, **65**, 105–25.
- Seidensticker, J. and Suyono, I. (1980) *The Javan Tiger and the Meru-Betiri Reserve*. IUCN, Gland, Switzerland.
- Seidensticker, J., Christie, S., and Jackson, P. (1999) *Riding the Tiger: Tiger Conservation in Human-Dominated Landscapes*. Cambridge University Press, Cambridge, UK.
- Seidensticker, J., Sunquist, M. E., and McDougal, C. (1990) Leopards living at the edge of the Royal Chitwan National Park, Nepal. In J. C. Daniel and J. S. Serrao (eds.), *Conservation in Developing Countries: Problems and Prospects*, pp. 415–23. Oxford University Press, Oxford, UK.
- Seidensticker, J., Hornocker, M. G., Wiles, W. V., and Messick, J. P. (1973) Mountain lion social organization in the Idaho primitive area. *Wildlife Monographs*, **35**, 1–61.
- Selous, F. C. (1894) The lion in South Africa. In C. Phillipps-Wolley (ed.), *The Badminton Library of Sports and Pastimes: Big Game Shooting*, pp. 236–50. Longmans, Green and Co., London, UK.
- Serpell, J. A. (2000) The domestication and history of the cat. In D. C. Turner and P. Bateson (eds.), *The Domestic Cat: The Biology of Its Behaviour*, pp. 179–92. Cambridge University Press, Cambridge, UK.
- Serra, R. C. and Sarmento, P. (2006) The Iberian lynx in Portugal: conservation status and perspectives. *Cat News*, **46**, 15–16.
- Servheen, C., Herrero, S., and Peyton, B. (1999) *Bears: Status Survey and Conservation Action Plan*. IUCN, Gland, Switzerland.
- Seymour, K. L. (1999) *Taxonomy, morphology, paleontology and phylogeny of the South American small cats (Mammalia: Felidae)*. PhD dissertation, University of Toronto, Toronto, ON.
- Seymour, K. L. (1989) *Panthera onca*. *Mammalian Species*, **340**, 1–9.
- Shabadash, S. A. and Zelikina, T. I. (1997) The cat caudal gland is hepatoid. *Izvestiya Akademii Nauk Seriya Biologicheskaya*, **5**, 556–70.
- Shape of Enrichment (2008) <[www.enrichment.org](http://www.enrichment.org)>. Accessed online 10 Sept 2008.
- Sharma, S., Jhala, Y., and Sawarkar, V. B. (2005) Identification of individual tigers (*Panthera tigris*) from their pugmarks. *Journal of Zoology*, **267**, 9–18.
- Sharp, N. C. C. (1997) Timed running speed of a cheetah (*Acinonyx jubatus*). *Journal of Zoology*, **241**, 493–4.
- Shaw, A. P. M. (2004) Economics of African Trypanosomiasis. In I. Maudlin, P. H. Holmes, and M. A. Mills (eds.), *The Trypanosomiasis*, pp. 369–402. CAB International, Wallingford, UK.
- Shaw, D. J., Grenfell, B. T., and Dobson, A. P. (1998) Patterns of macroparasite aggregation in wildlife host populations. *Parasitology*, **117**, 597–610.
- Shemkunde, J. (2004) *The use of tourist photographs as a means of monitoring cheetahs in the Serengeti National Park, Tanzania*. MSc dissertation, University of Wales, Aberystwyth, Wales.
- Shepherd, C. R. and Magnus, N. (2004) *Nowhere to Hide: The Trade in Sumatran Tiger*. TRAFFIC Southeast Asia, Petaling Jaya, Malaysia.
- Shepherdson, D. J., Mellen, J. D., and Hutchins, M. (eds.) (1998) *Second Nature: Environmental Enrichment for Captive Animals*. Smithsonian Institution Press, Washington DC.



- Shin, T., Kraemer, D., Pryor, J., *et al.* (2002) A cat cloned by nuclear transplantation. *Nature*, **415**, 859.
- Shindle, D. M., Cunningham, M. W., Land, E. D., McBride, R., Lotz, M. A., and Ferree, B. (2003) *Florida panther genetic restoration and management: annual report*. Florida Fish and Wildlife Conservation Commission, Tallahassee, FL.
- Shukla, U. K. and Bora, D. S. (2003) Geomorphology and sedimentology of Piedmont zone, Ganga Plain, India. *Current Science*, **84**, 1034–40.
- Siddiqi, N. A. and Choudhury, J. H. (1987) Maneating behaviour of tigers (*Panthera tigris* Linn) of the Sundarbans: twenty-eight years' record analysis. *Tiger Paper*, **14**, 26–32.
- Sillero-Zubiri, C. and Laurenson, M. K. (2001) Interactions between carnivores and local communities: conflict or co-existence? In J. L. Gittleman, S. M. Funk, D. W. Macdonald, and R. K. Wayne (eds.), *Carnivore Conservation*, pp. 282–312. Cambridge University Press, Cambridge, UK.
- Sillero-Zubiri, C., Sukumar, R., and Treves, A. (2007) Living with wildlife: the roots of conflict and the solutions. In D. W. Macdonald and K. Service (eds.), *Key Topics in Conservation Biology*, pp. 253–70. Blackwell Publications, Oxford, UK.
- Sillero-Zubiri, C., Marino, J., Gottelli, D., and Macdonald, D. W. (2004) Afroalpine ecology, solitary foraging and intense sociality amongst Ethiopian wolves. In D. W. Macdonald and C. Sillero-Zubiri (eds.), *The Biology and Conservation of Wild Canids*, pp. 311–23. Oxford University Press, Oxford, UK.
- Silva-Rodriguez, E. A., Ortega-Solis, G. R., and Jimenez, J. E. (2007) Human attitudes toward wild felids in a human-dominated landscape of southern Chile. *Cat News*, **46**, 19–21.
- Silveira, L. (1995) Notes on the distribution and natural history of the pampas cat, *Felis colocolo*, in Brazil. *Mammalia*, **59**, 284–8.
- Silveira, L. and Jacomo, A. T. A. (2002) Conservación del jaguar en el centro del Cerrado de Brasil. In R. A. Medellín, C. Equihua, C. L. B. Chetkiewicz, *et al.* (eds.), *El Jaguar en el Nuevo Milenio*, pp. 437–50. Fondo de Cultura Económica, Universidad Nacional Autónoma de México and Wildlife Conservation Society, Mexico City, Mexico.
- Silveira, L., Jacomo, A. T. A., Kashivakura, C. K., *et al.* (2006) Conservação da onça-pintada em propriedades rurais no Pantanal. *Summary report on findings to the National Research Center for the Conservation of Natural Predators*. CENAP, Atibaia, Brazil.
- Silveira, L., Jacomo, A. T. A., and Furtado, M. M. (2005) Pampas cat ecology and conservation in the Brazilian grasslands. Cat Project of the Month Feature Report. IUCN SSC Cat Specialist Group. <[www.catsg.org/catsgportal/project-o-month/02\\_webarchive/webarchive.htm](http://www.catsg.org/catsgportal/project-o-month/02_webarchive/webarchive.htm)>. Accessed online 20 Sep 2009.
- Silver, S. C. (1997) *The feeding ecology of translocated howler monkeys (Alouatta pigra) in Belize, Central America*. PhD dissertation, Fordham University, New York.
- Silver, S. C., Ostro, L. E. T., Marsh, L. K., *et al.* (2004) The use of camera traps for estimating jaguar *Panthera onca* abundance and density using capture/recapture analysis. *Oryx*, **38**, 148–54.
- Simberloff, D. and Boecklen, W. (1981) Santa Rosalia reconsidered: size ratios and competition. *Evolution*, **35**, 1206–28.
- Simons, J. W. (1966) The presence of leopard and a study of the food debris in the leopard lairs of the Mount Suswa caves, Kenya. *Bulletin of the Cave Exploration Group of East Africa*, **1**, 51–69.
- Simpson, G. G. (1951) The species concept. *Evolution*, **5**, 285–98.
- Simpson, G. G. (1941) The function of saber-like canines in carnivorous mammals. *American Museum Novitates*, **1130**, 1–12.
- Sinclair, A. R. E. (1995) Serengeti past and present. In A. R. E. Sinclair and P. Arcese (eds.), *Serengeti II: Dynamics, Management and Conservation of an Ecosystem*, pp. 3–30. University of Chicago, Chicago, IL.
- Sinclair, A. R. E., Packer, C., Mduma, S., and Fryxell, J. M. (eds.) (2008) *Serengeti III: Human Impacts on Ecosystem Dynamics*. Chicago University Press, Chicago, IL.
- Sinclair, A. R. E., Mduma, S., and Brashares, J. S. (2003) Patterns of predation in a diverse predator–prey system. *Nature*, **425**, 288–90.
- Singh, A., Gaur, A., Shailaja, K., Bala, B. S., and Singh, L. (2004) A novel microsatellite (STR) marker for forensic identification of big cats in India. *Forensic Science International*, **141**, 143–7.
- Singleton, P. H., Gaines, W. L., and Lehmkuhl J. F. (2002) Landscape permeability for large carnivores in Washington: a geographic information system weighted-distance and least-cost corridor assessment. Research paper No. PNW-RP-549. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR.
- Skelton, P. (1993) *Evolution: A Biological and Paleontological Approach*. Addison-Wesley Publishing Co., Wokingham, UK.
- Skinner, J. D. and Smithers, R. H. N. (1990) *The Mammals of the Southern African Subregion*. University of Pretoria, Pretoria, South Africa.
- Slate, J., Kruuk, L. E. B., Marshall, T. C., Pemberton, J. M., and Clutton-Brock, T. H. (2000) Inbreeding depression influences lifetime breeding success in a wild population of red deer (*Cervus elaphus*). *Proceedings of the Royal Society of London Series B*, **267**, 1657–62.
- Slater, G. J. and Van Valkenburgh, B. (2008) Long in the tooth: evolution of sabertooth cat cranial shape. *Paleobiology*, **34**, 403–19.
- Slwi, A. (in press-a) Sand cat *Felis margarita*. In J. S. Kingdon and M. Hoffmann (eds.), *The Mammals of Africa 5: Carnivora, Pholidota, Perissodactyla*. Academic Press, Amsterdam, the Netherlands.

- Sliwa, A. (in press-b) *Felis nigripes*. In J. S. Kingdon and M. Hoffmann (eds.), *The Mammals of Africa 5: Carnivora, Pholidota, Perissodactyla*. Academic Press, Amsterdam, the Netherlands.
- Sliwa, A. (2006) Seasonal and sex-specific prey composition of black-footed cats *Felis nigripes*. *Acta Theriologica*, **51**, 195–204.
- Sliwa, A. (2004) Home range size and social organisation of black-footed cats (*Felis nigripes*). *Mammalian Biology*, **69**, 96–107.
- Sliwa, A. (1996) *A functional analysis of scent marking and mating behaviour in the aardwolf, Proteles cristatus (Sparman, 1783)*. PhD dissertation, University of Pretoria, Pretoria, South Africa.
- Sliwa, A. (1994) Marsh owl (*Asio capensis*) associating with black-footed cat (*Felis nigripes*). *Gabar*, **9**, 23–4.
- Sliwa, A., Wilson, B., Lamberski, N., and Herrick, J. (2007) Report on catching and surveying black-footed cats (*Felis nigripes*) on Benfontein Game Farm. Unpublished report.
- Slotow, R. and Hunter, L. T. B. (2009) Reintroduction decisions taken at the incorrect social scale devalue their conservation contribution: the African lion in South Africa. In M. W. Hayward and M. J. Somers (eds.), *The Reintroduction of Top-Order Predators*, pp. 43–71. Wiley-Blackwell Publishing, Oxford, UK.
- Slough, B. G. (1999) Characteristics of Canada Lynx, *Lynx canadensis*, maternal dens and denning habitat. *Canadian Field-Naturalist*, **113**, 605–8.
- Slough, B. G. and Mowat, G. (1996) Lynx population dynamics in an untrapped refugium. *Journal of Wildlife Management*, **60**, 946–61.
- Smallwood, K. S. and Fitzhugh, E. L. (1995) A track count for estimating mountain lion *Felis concolor californica* population trend. *Biological Conservation*, **71**, 251–9.
- Smallwood, K. S. and Schonewald, C. (1998) Study design and interpretation of mammalian carnivore density estimates. *Oecologia*, **113**, 474–91.
- Smirnov, E. N. and Miquelle, D. G. (1999) Population dynamics of the Amur tiger in Sikhote-Alin State Biosphere Reserve. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human Dominated Landscapes*, pp. 61–70. Cambridge University Press, Cambridge, UK.
- Smith, C., Hodgson, G. W. I., Armitage, P., and Clutton-Brock, J. (1994) Animal bone report. In B. B. Smith (ed.), *Howe: Four Millennia of Orkney Prehistory*, pp. 139–53. Society of Antiquaries of Scotland, Monograph Series No. 9, Edinburgh, Scotland.
- Smith, J. L. D. (1993) The role of dispersal in structuring the Chitwan tiger population. *Behaviour*, **124**, 165–95.
- Smith, J. L. D. and McDougal, C. (1991) The contribution of variance in lifetime reproduction to effective population size in tigers. *Conservation Biology*, **5**, 484–90.
- Smith, J. L. D., McDougal, C. and Ahearn, S. C. (1999) Metapopulation structure of tigers in Nepal. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human Dominated Landscapes*, pp. 178–89. Cambridge University Press, Cambridge, UK.
- Smith, J. L. D., Ahearn, S.C., and McDougal, C. (1998) Landscape analysis of tiger distribution and habitat quality in Nepal. *Conservation Biology*, **12**, 1338–46.
- Smith, J. L. D., McDougal, C. W., and Miquelle, D. G. (1989) Scent marking in free-ranging tigers, *Panthera tigris*. *Animal Behaviour*, **37**, 1–10.
- Smith, J. L. D., McDougal, C. W., and Sunquist, M. E. (1987) Female land tenure system in tigers. In R. L. Tilson and U. S. Seal (eds.), *Tigers of the World: The Biology, Biopolitics, Management and Conservation of an Endangered Species*, pp. 97–109. Noyes Publications, Park Ridge, NJ.
- Smith, J. L. D., Sunquist, M. E., Tamang, K. M., and Rai, P. B. (1983) A technique for capturing and immobilizing tigers. *Journal of Wildlife Management*, **47**, 255–9.
- Smith, N. J. H. (1976) Spotted cats and the Amazon skin trade. *Oryx*, **13**, 362–71.
- Smith, R. J., Muir, R. D. J., Walpole, M. J., Balmford, A., and Leader-Williams, N. (2003) Governance and the loss of biodiversity. *Nature*, **426**, 67–70.
- Smithers, R. H. N. (1983) *The Mammals of the Southern African Subregion*. University of Pretoria Press, Pretoria, South Africa.
- Smout, T. C., MacDonald, A. R., and Watson, F. (2004) *A History of the Native Woodlands of Scotland, 1500–1920*. Edinburgh University Press, Edinburgh, Scotland.
- Smuts, G. L. (1976) Population characteristics and recent history of lions in two parts of the Kruger National Park. *Koedoe*, **19**, 153–64.
- Smuts, G. L., Robinson, G. A., and Whyte, I. J. (1980) Comparative growth of wild male and female lions (*Panthera leo*). *Journal of Zoology*, **190**, 365–73.
- Smuts, G. L. (1982) *Lion*. MacMillan Publishers, Johannesburg, South Africa.
- Smuts, G. L. (1978) Effects of population reduction on the travels and reproduction of lions in Kruger National Park. *Carnivore*, **1**, 61–72.
- Smuts, G. L., Whyte, I. J., and Dearlove, T. W. (1977) A mass capture technique for lions. *East Africa Wildlife Journal*, **15**, 81–7.
- Smythies, A. E. (1942) *Big Game Shooting in Nepal*. Thacker, Spink and Co., Calcutta, India.
- SNH (2008) Scottish wildcat. <[www.snh.org.uk/speciesactionframework/saf-wildcat.asp](http://www.snh.org.uk/speciesactionframework/saf-wildcat.asp)>. Accessed online 20 May 2008.
- SNH (2007) *A Five Year Species Action Framework: Making a Difference for Scotland's Species*. Scottish Natural Heritage, Inverness, Scotland.
- Soares, T. N., Telles, M. P. C., Resende, L. V., et al. (2006) Paternity testing and behavioral ecology: A case study of jaguars (*Panthera onca*) in Emas National Park, Central Brazil. *Genetics and Molecular Biology*, **29**, 735–40.

- Sodeinde, O. A. and Soewa, D. A. (1999) Pilot study of the traditional medicine trade in Nigeria. *TRAFFIC Bulletin*, **18**, 35–40.
- Soisalo, M. K. and Cavalcanti, S. M. C. (2006) Estimating the density of a jaguar population in the Brazilian Pantanal using camera-traps and capture-recapture sampling in combination with GPS radio-telemetry. *Biological Conservation*, **129**, 487–96.
- Sorli, L. E., Martinez, F. D., Lardelli, U., and Brandi, S. (2006) Andean cat in Mendoza, Argentina—furthest south and at lowest elevation ever recorded. *Cat News*, **44**, 24.
- Soulé, M., Gilpin, M., Conway, W., and Foose, T. (1986) The millenium ark—how long a voyage, how many state-rooms, how many passengers. *Zoo Biology*, **5**, 101–13.
- Soulé, M. E. and Simberloff, D. (1986) What do genetics and ecology tell us about the design of nature reserves? *Biological Conservation*, **35**, 19–40.
- Soulé, M. E. and Terborgh, J. E. (1999) *Continental Conservation: Scientific Foundations of Regional Reserve Networks*. Island Press, Washington DC.
- South African National Biodiversity Institute (2005) Land degradation: KwaZulu-Natal. <[www.sanbi.org/landdeg/grafics/kwazulunatafs](http://www.sanbi.org/landdeg/grafics/kwazulunatafs)>. Accessed online 15 Oct 2007.
- Spassov, N., Simeonovski, V., and Spiridonov, G. (1997) The wild cat (*Felis silvestris* Schr.) and the feral domestic cat: problems of the morphology, taxonomy, identification of the hybrids and purity of the wild population. *Historia Naturalis Bulgarica*, **8**, 101–20.
- Spencer, H. (1900) *The Principle of Ethics*, 6th edn. Williams and Norgate, London, UK.
- Spencer, H. (1851) *Social Statics*. Chapman, London, UK.
- Spencer, J. A. (1991) Survey of antibodies to feline viruses in free-ranging lions. *South African Journal of Wildlife Research*, **21**, 59–61.
- Spencer, J. A. and Morkel, P. (1993) Serological survey of sera from lions in Etosha National Park. *South African Journal of Wildlife Research*, **23**, 60–1.
- Spencer, J. A., Higginbotham, M. J., and Blagburn, B. L. (2003) Seroprevalence of *Neospora caninum* and *Toxoplasma gondii* in captive and free-ranging nondomestic felids in the United States. *Journal of Zoo and Wildlife Medicine*, **34**, 246–9.
- Spencer, J. A., van Dijk, A. A., Horzinek, M. C., et al. (1992) Incidence of feline immunodeficiency virus reactive antibodies in free-ranging lions of the Kruger National Park and the Etosha National Park in southern Africa detected by recombinant FIV p24 antigen. *Onderstepoort Journal of Veterinary Research*, **59**, 315–22.
- Spong, G. (2002) Space use in lions, *Panthera leo*, in the Selous Game Reserve: social and ecological factors. *Behavioural Ecology and Sociobiology*, **52**, 303–7.
- Spong, G. and Creel, S. (2004) Effects of kinship on territorial conflicts among groups of lions, *Panthera leo*. *Behavioural Ecology and Sociobiology*, **55**, 325–31.
- Spong, G. and Creel, S. (2001) Deriving dispersal distances from genetic data. *Proceedings of the Royal Society of London Series B*, **268**, 2571–4.
- Spong, G., Stone, J., Creel, S., and Bjorkland, M. (2002) Genetic structure of lions (*Panthera leo*) in the Selous Game Reserve: implications for the evolution of sociality. *Journal of Evolutionary Biology*, **15**, 945–53.
- Spong, G., Hellborg, L., and Creel, S. (2000a) Sex ratio of leopards taken in trophy hunting: genetic data from Tanzania. *Conservation Genetics*, **1**, 169–71.
- Spong, G., Johansson, M., and Bjorklund, M. (2000b) High genetic variation in leopards indicates large and long-term stable effective population size. *Molecular Ecology*, **9**, 1773–82.
- Squeo, F. A., Warner, B. G., Aravena, R., and Espinoza, D. (2006) Bofedales: High altitude peatlands of the central Andes. *Revista Chilena de Historia Natural*, **79**, 245–55.
- Squires, J. R. and Laurion, T. (2000) Lynx home range and movements in Montana and Wyoming: preliminary results. In L. F. Ruggiero, K. B. Aubry, S. W. Buskirk, et al. (eds.), *Ecology and Conservation of Lynx in the United States*, pp. 337–49. University Press of Colorado, Boulder, CO.
- Squires, J. R. and Ruggiero, L. F. (2007) Winter prey selection of Canada lynx in northwestern Montana. *Journal of Wildlife Management*, **71**, 310–15.
- Srivastav, A. (1997) Livestock predation by Gir lions and ecodevelopment. *Tiger Paper*, **24**, 1–6.
- St-Pierre, C., Ouellet, J. P., and Crete, M. (2006) Do competitive intraguild interactions affect space and habitat use by small carnivores in a forested landscape? *Ecography*, **29**, 487–96.
- Stahl, P. and Artois, M. (1994) *Status and Conservation of the Wildcat in Europe and around the Mediterranean Rim*. Council of Europe, Strasbourg, France.
- Stahl, P. and Vandel, J. M. (1999) Mortalité et captures de lynx (*Lynx lynx*) en France (1974–1998). *Mammalia*, **63**, 49–59.
- Stahl, P., Vandel, J. M., Ruetten, S., Coat, L., Coat, Y., and Balestra, L. (2002) Factors affecting lynx predation on sheep in the French Jura. *Journal of Applied Ecology*, **39**, 204–16.
- Stahl, P., Vandel, J. M., Herrenschmidt, V., and Migot, P. (2001a) The effect of removing lynx in reducing attacks on sheep in the French Jura Mountains. *Biological Conservation*, **101**, 15–22.
- Stahl, P., Vandel, J. M., Herrenschmidt, V., and Migot, P. (2001b) Predation on livestock by an expanding reintroduced lynx population: long-term trend and spatial variability. *Journal of Applied Ecology*, **38**, 674–87.
- Stahl, P., Artois, M., and Aubert, M. F. A. (1988) The use of space and the activity pattern of adult European wild cats (*Felis silvestris* Schreber 1777) in Lorraine. *Revue d'Ecologie—La Terre et la Vie*, **43**, 113–32.

- Stander, P. E. (2005a) *Population Demography and Ecology of Kunene Lions*. Predator Conservation Trust, Windhoek, Namibia.
- Stander, P. E. (2005b) A review of conflict between humans and large carnivores and an evaluation of management options. In *National Workshop on Human Wildlife Conflict Management 2005*, pp. 1–76. Ministry of Environment and Tourism, Windhoek, Namibia.
- Stander, P. E. (2001a) Namibian experiences with dealing with conflict between people and wildlife. In C. Murphy (ed.) *Reducing Conflict between Wildlife and People*. Ministry of Environment and Tourism, Windhoek, Namibia.
- Stander, P. E. (2001b) Range country overview: Namibia. In P. Bartels, H. Berry, D. Cilliers, et al. (eds.), *Global Cheetah Conservation Action Plan: Draft Report*. IUCN/SSC Conservation Breeding Specialist Group, Apple Valley, MN.
- Stander, P. E. (1998) Spoor counts as indices of large carnivore populations: the relationship between spoor frequency, sampling effort and true density. *Journal of Applied Ecology*, **35**, 378–85.
- Stander, P. E. (1997) The ecology of lions and conflict with people in north-eastern Namibia. In J. V. Heerden (ed.), *Symposium on Lions and Leopards as Game Ranch Animals, Onderstepoort, South Africa*, pp. 10–17. Ministry of Environment and Tourism, Windhoek, Namibia.
- Stander, P. E. (1992a) Cooperative hunting in lions: the role of the individual. *Behavioral Ecology and Sociobiology*, **29**, 445–54.
- Stander, P. E. (1992b) Foraging dynamics of lions in a semi-arid environment. *Canadian Journal of Zoology*, **70**, 8–21.
- Stander, P. E. (1991) Demography of lions in Etosha National Park, Namibia. *Madoqua*, **18**, 1–9.
- Stander, P. E. (1990) A suggested management strategy for stock-raiding lions in Namibia. *South African Journal of Wildlife Research*, **20**, 37–43.
- Stander, P. E. and Albon, S. E. (1993) Hunting success of lions in a semi-arid environment. In N. Dunstone and M. L. Gorman (eds.), *Mammals as Predators*, pp. 127–43. Symposium of the Zoological Society of London, No. 65, London, UK.
- Stander, P. E. and Morkel, P. V. (1991) Field immobilization of lions using disassociative anaesthetics in combination with sedatives. *African Journal of Ecology*, **29**, 137–48.
- Stander, P. E., //au, K., lui, N., Dabe, T. and Dabe, D. (1997a) Non-consumptive utilisation of leopards: community conservation and ecotourism in practice. In B. L. Penzhorn (ed.), *Proceedings of a Symposium on Lions and Leopards as Game Ranch Animals*, pp. 50–7. South African Veterinary Association Wildlife Group, Onderstepoort, South Africa.
- Stander, P. E., Ghau, Tsisaba, D., and Ui (1997b) Tracking and the interpretation of spoor: a scientifically sound method in ecology. *Journal of Zoology*, **242**, 329–41.
- Stander, P. E., Ghau, X., Tsisaba, D., and Txoma, X. (1996) A new method of darting: stepping back in time. *African Journal of Ecology*, **34**, 48–53.
- Stander, P. E., Haden, P. J., Kacece, A., and Ghau, A. (1997c) The ecology of asociality in Namibian leopards. *Journal of Zoology*, **242**, 343–64.
- Stanley Price, M. R. (1989) *Animal Reintroductions: The Arabian Oryx in Oman*. Cambridge University Press, Cambridge, UK.
- Staples, W. R. (1995) *Lynx and coyote diet and habitat relationships during a low hare population on the Kenai Peninsula, Alaska*. MSc dissertation, University of Alaska, Fairbanks, AK.
- Statistics South Africa (2005) Population census 2001: Kwa-Zulu-Natal. <www.statssa.gov.za/census01/html/default.asp>. Accessed online 15 Oct 2007.
- Stein, A. (2008) *Ecology and conservation of leopards (Panthera pardus) in north-central Namibia*. PhD dissertation, University of Massachusetts, Amherst, MA.
- Stein, B. E., Magalhaes-Castro, B., and Kruger, L. (1976) Relationship between visual and tactile representations in cat superior colliculus. *Journal of Neurophysiology*, **39**, 401–19.
- Steinel, A., Truyen, U., Munson, L., and Van Vuuren, M. (2000) Genetic characterization of feline parvovirus sequences from various carnivores. *Journal of General Virology*, **81**, 345–50.
- Stenseth, N. C., Ehrlich, D., Rueness, E. K., et al. (2004a) The effect of climatic forcing on population synchrony and genetic structuring of the Canadian lynx. *Proceedings of the National Academy of Sciences of the United States of America*, **101**, 6056–61.
- Stenseth, N. C., Shabbar, A., Chan, K.-S., et al. (2004b) Snow conditions may create an invisible barrier for lynx. *Proceedings of the National Academy of Sciences of the United States of America*, **101**, 10632–4.
- Stenseth, N. C., Chan, K. S., Tong, H., et al. (1999) Common dynamic structure of Canada lynx populations within three climatic regions. *Science*, **285**, 1071–3.
- Stenseth, N. C., Falck, W., Chan, K. S., et al. (1998) From patterns to processes: phase and density dependencies in the Canadian lynx cycle. *Proceedings of the National Academy of Sciences of the United States of America*, **95**, 15430–5.
- Stenseth, N. C., Falck, W., Bjørnstad, O. N., and Krebs, C. J. (1997) Population regulation in snowshoe hare and Canadian lynx: asymmetric food web configurations between hare and lynx. *Proceedings of the National Academy of Sciences of the United States of America*, **94**, 5147–52.
- Stephens, P. A., Zaumyslava, O. Y., Miquelle, D. G., Myslenkov, A. I., and Hayward, G. D. (2006) Estimating population density from indirect sign: track counts and the Formozov-Malyshv-Pereleshin formula. *Animal Conservation*, **9**, 339–48.
- Stephens, P. A., Sutherland, W. J., Russell, A. F., Young, A. J., and Clutton Brock, T. H. (2005) Dispersal, eviction,

- and conflict in meerkats (*Suricata suricatta*): An evolutionarily stable strategy model. *American Naturalist*, **165**, 120–35.
- Stephenson, R. O., Grangaard, D. V., and Burch, J. (1991) Lynx, *Felis lynx*, predation on red foxes, *Vulpes vulpes*, caribou, *Rangifer tarandus*, and Dall sheep, *Ovis dalli*, in Alaska. *Canadian Field-Naturalist*, **105**, 255–62.
- Steuery, T. D. and Murray, D. L. (2004) Modeling the reintroduction of lynx to the southern portion of its range. *Biological Conservation*, **117**, 127–41.
- Stockwell, C. A., Hendry, A. P., and Kinnison, M. T. (2003) Contemporary evolution meets conservation biology. *Trends in Ecology and Evolution*, **18**, 94–101.
- Stoen, O. G. and Wegge, P. (1996) Prey selection and prey removal by tiger (*Panthera tigris*) during the dry season in lowland Nepal. *Mammalia*, **60**, 363–73.
- Stoner, D. C., Wolfe, M. L., and Choate, D. M. (2006) Cougar exploitation levels in Utah: implications for demographic structure, population recovery, and metapopulation dynamics. *Journal of Wildlife Management*, **70**, 1588–600.
- Storms, T. N., Ramsay, E. C., Clyde, V. L., and Munson, L. (2003) Blastomycosis in nondomestic felids. *Journal of Zoo and Wildlife Medicine*, **34**, 231–8.
- Stuart, C. T. (1982) *Aspects of the biology of the caracal (Felis caracal) in the Cape province, South Africa*. MS dissertation, University of Natal, Pietermaritzburg, South Africa.
- Stuart, C. and Stuart, T. (in press) Caracal *Caracal caracal*. In J. S. Kingdon and M. Hoffmann (eds.), *The Mammals of Africa 5: Carnivora, Pholidota, Perissodactyla*. Academic Press, Amsterdam, the Netherlands.
- Stuart, C. and Stuart, T. (1991) The feral cat problem in southern Africa. Time to stop pussyfooting? *African Wildlife*, **45**, 13–15.
- Stuart, C., Stuart, T., and de Smet, K. J. (in press) African wildcat *Felis silvestris*. In J. S. Kingdon and M. Hoffmann (eds.), *The Mammals of Africa 5: Carnivora, Pholidota, Perissodactyla*. Academic Press, Amsterdam, the Netherlands.
- Stuart, C. T., MacDonald, A. W., and Mills, M. G. L. (1985) History, current status and conservation of large mammalian predators in Cape Province, Republic of South Africa. *Biological Conservation*, **31**, 7–19.
- Suedmeyer, W. K. (2002) Conditioning programs for trans-abdominal ultrasound gestational monitoring in an eastern black rhinoceros (*Diceros bicornis michaeli*), African elephant (*Loxodonta africana*), African lion (*Panthera leo*) and Bornean orangutan (*Pongo pygmaeus pygmaeus*). *Proceedings of the American Association of Zoo Veterinarians*, **1**, 50–1.
- Sukhdev, P. (2008) *The economics of ecosystems and biodiversity. TEEB: An Interim Report*. European Communities, Germany.
- Suminski, P. (1962) Research in the native form of the wildcat (*Felis silvestris* Schreber) on the background of its geographical distribution. *Folia Forestalia Polonica*, **8**, 1–81.
- Sunquist, M. E. (1992) The ecology of the ocelot: the importance of incorporating life history traits into conservation plans. In *Felinos de Venezuela: Biología, Ecología y Conservación*, pp. 117–28. Fundación para el Desarrollo de las Ciencias Físicas, Matemáticas y Naturales, Caracas, Venezuela.
- Sunquist, M. E. (1981) The social organization of tigers (*Panthera tigris*) in Royal Chitawan National Park, Nepal. *Smithsonian Contributions to Zoology*, **336**, 1–98.
- Sunquist, M. E. and Sunquist, F. (2002) *Wild Cats of the World*. University of Chicago Press, Chicago, IL.
- Sunquist, M. E. and Sunquist, F. (2001) Changing landscapes: consequences for carnivores. In J. L. Gittleman, S. M. Funk, D. W. MacDonald, and R. K. Wayne (eds.), *Carnivore Conservation*, pp. 399–418. Cambridge University Press Cambridge, UK.
- Sunquist, M. E. and Sunquist, F. C. (1989) Ecological constraints on predation by large felids. In J. L. Gittleman (ed.), *Carnivore Behaviour, Ecology and Evolution*, pp. 283–301. Cornell University Press, Ithaca, NY.
- Sunquist, M. E., Karanth, K. U., and Sunquist, F. (1999) Ecology, behaviour and resilience of the tiger and its conservation needs. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human-Dominated Landscapes*, pp. 5–18. Cambridge University Press, Cambridge, UK.
- Sutcliffe, A. J. (1973) Caves of the East African rift valley. *Transactions of the Cave Research Group of Great Britain*, **15**, 41–65.
- Suzan, G. and Ceballos, G. (2005) The role of feral mammals on wildlife infectious disease prevalence in two nature reserves within Mexico City limits. *Journal of Zoo and Wildlife Medicine*, **36**, 479–84.
- Swallow, B., Leimona, B., Yatich, T., Velarde, S. J., and Puttaswamaiah, S. (2007) *The conditions for effective mechanisms of compensation and rewards for environmental services*. CES Scoping Study, Issue Paper No.3. ICRAF Working Paper No. 38. World Agroforestry Centre, Nairobi, Kenya.
- Swanson, B. J. and Ruz, P. J. (2006) Detection and classification of cougars in Michigan using low copy DNA sources. *American Midland Naturalist*, **155**, 363–72.
- Swanson, T. M. (1995) *The Economics and Ecology of Biodiversity Decline: The Forces Driving Global Change*. Cambridge University Press, Cambridge, UK.
- Swanson, T. M. (1994) *The International Regulation of Extinction*. New York University Press, New York.
- Swanson, W. F. (2006) Application of assisted reproduction for population management in felids: the potential and reality for conservation of small cats. *Theriogenology*, **66**, 49–58.
- Swanson, W. F. (2001) Reproductive biotechnology and conservation of the forgotten felids: the small cats. In N. Loskutoff (ed.), *Proceedings of the 1st International Symposium on Assisted Reproductive Technologies for*

- Conservation and Genetic Management of Wildlife*, pp. 100–20. Omaha's Henry Doorly Zoo, Omaha, NE.
- Swanson, W. F., Stoops, M. A., Magarey, G. M., and Herrick, J. R. (2007) Sperm cryopreservation in endangered felids: developing linkage of *in situ*—*ex situ* populations. In E. Roldan and M. Gomenido (eds.), *Spermatology*, pp. 417–32. Nottingham University Press, Nottingham, UK.
- Swanson, W. F., Johnson, W. E., Cambre, R. C., et al. (2003) Reproductive status of endemic felid species in Latin American zoos and implications for ex situ conservation. *Zoo Biology*, **22**, 421–41.
- Swanson, W. F., Paz, R. C. R., Morais, R. N., Gomes, M. L. F., Moraes, W., and Adania, C. H. (2002) Influence of species and diet on efficiency of in vitro fertilization in two endangered Brazilian felids: the ocelot (*Leopardus pardalis*) and tigrina (*Leopardus tigrinus*). *Theriogenology*, **57**, 593.
- Swarts, F. (2000) The Pantanal in the 21st Century: for the planet's largest wetland, an uncertain future. In F. Swarts (ed.), *The Pantanal of Brazil, Bolivia and Paraguay*, pp. 1–24. Waterland Research Institute, Gouldsboro, ME.
- Sweanor, L. L. (1990) *Mountain lion social organisation in a desert environment*. MS dissertation, University of Idaho, Moscow, ID.
- Sweanor, L. L., Logan, K. A., and Hornocker, M. G. (2000) Cougar dispersal patterns, metapopulation dynamics, and conservation. *Conservation Biology*, **14**, 798–808.
- Swenson, J. E. and Andrén, H. (2005) A tale of two countries: large carnivore depredation and compensation schemes in Sweden and Norway. In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict or Coexistence?*, pp. 323–39. Cambridge University Press, Cambridge, UK.
- Swenson, J. E., Sandegren, F., Söderberg, A., Bjärvall, A., Franzén, R., and Wabakken, P. (1997) Infanticide caused by hunting of male bears. *Nature*, **386**, 450–1.
- Swihart, R. K., Slade, N. A., and Bergstron, B. J. (1988) Relating body size to the rate of home range use in mammals. *Ecology*, **69**, 393–9.
- Taber, A. B., Novaro, A. J., Neris, N., and Colman, F. H. (1997) The food habits of sympatric jaguar and puma in the Paraguayan Chaco. *Biotropica*, **29**, 204–13.
- Tamang, K. M. (1982) *The status of the tiger (Panthera tigris) and its impact on principal prey populations in Royal Chitwan National Park, Nepal*. PhD dissertation, Michigan State University, East Lansing, MI.
- Tambling, C. J. and du Toit, J. T. (2005) Modelling wildebeest population dynamics: implications of predation and harvesting in a closed system. *Journal of Applied Ecology*, **42**, 431–41.
- Tanabe, K. (2001) A Kushano-Sasanian silver plate and Central Asian tigers. *Silk Road Art and Archaeology*, **7**, 167–86.
- Tapper, S. (1992) *Game Heritage*. The Game Conservancy, Fordingbridge, UK.
- Taylor, C. R. and Rowntree, V. J. (1973) Temperature regulation and heat balance in running cheetahs: a strategy for sprinters? *American Journal of Physiology*, **224**, 848–51.
- Taylor, C. R., Shkolnik, A., Dmi'el, R., Baharav, D., and Borut, A. (1974) Running in cheetahs, gazelles, and goats: energy cost and limb configuration. *American Journal of Physiology*, **227**, 848–50.
- Taylor, M. E. (1989) Locomotor adaptations by carnivores. In J. L. Gittleman (ed.), *Carnivore Behavior, Ecology and Evolution*, pp. 382–409. Chapman and Hall, London, UK.
- Taylor, S. K., Buergelt, C. D., Roelke-Parker, M. E., Homer, B. L., and Rotstein, D. S. (2002) Causes of mortality of free-ranging Florida panthers. *Journal of Wildlife Diseases*, **38**, 107–14.
- Terio, K. A., O'Brien, T. D., Lamberski, N., Famula, T. R., and Munson, L. (2008) Amyloidosis in black-footed cats (*Felis nigripes*). *Veterinary Pathology*, **45**, 393–400.
- Terio, K. A., Munson, L., Marker, L., Aldridge, B. M., and Solnick, J. V. (2005) Comparison of *Helicobacter* spp. in cheetahs (*Acinonyx jubatus*) with and without gastritis. *Journal of Clinical Microbiology*, **43**, 229–34.
- Terio, K. A., Marker, L., and Munson, L. (2004) Evidence for chronic stress in captive but not free-ranging cheetahs (*Acinonyx jubatus*) based on adrenal morphology and function. *Journal of Wildlife Diseases*, **40**, 259–66.
- Terio, K. A., Marker, L., Overstrom, E. W., and Brown, J. L. (2003) Analysis of ovarian and adrenal activity in Namibian cheetahs. *South African Journal of Wildlife Research*, **33**, 71–8.
- Terio, K. A., Brown, J. L., and Citino, S. B. (1999) Fecal cortisol metabolite analysis for noninvasive monitoring of adrenocortical function in the cheetah (*Acinonyx jubatus*). *Journal of Zoo and Wildlife Medicine*, **30**, 484–91.
- Terra Daily (2008) Trophy hunting buoyant industry for Namibia. <[www.terradaily.com/reports/Trophy\\_Hunting\\_Buoyant\\_Industry\\_For\\_Namibia\\_999.html](http://www.terradaily.com/reports/Trophy_Hunting_Buoyant_Industry_For_Namibia_999.html)>. Accessed online 15 Sept 2008.
- Tewes, M. E. (1986) *Ecological and behavioral correlates of ocelot spatial patterns*. PhD dissertation, University of Idaho, Moscow, ID.
- Thanawongnuwech, R., Amonsin, A., Tantilertcharoen, R., et al. (2005) Probable tiger-to-tiger transmission of avian influenza H5N1. *Emerging Infectious Diseases*, **11**, 699–701.
- Thapar, V. (1999) The tragedy of the Indian tiger: starting from scratch. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human-Dominated Landscapes*, pp. 296–306. Cambridge University Press, Cambridge, UK.
- Thapar, V. (1986) *Tiger: Portrait of a Predator*. William Collins Sons & Co Ltd, London, UK.
- Tharoor, S. (2007) *The Elephant, the Tiger, and the Cell Phone: Reflections on India, the Emerging 21st Century Power*. Arcade Publishing, New York.

- Thatcher, C. A., van Manen, F. T., and Clark, J. D. (2006) Identifying suitable sites for Florida panther reintroduction. *Journal of Wildlife Management*, **70**, 752–63.
- Theile, S. (2003) *Fading Footprints: The Killing and Trade of Snow Leopards*. TRAFFIC International, Cambridge, UK.
- Thenius, E. (1953) Gepardreste aus dem Altquartär von Hundsheim in Niederösterreich. *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, **1953**, 225–38.
- Thomas, D. S. G. and Shaw, P. A. (1991) *The Kalahari Environment*. Cambridge University Press, Cambridge, UK.
- Thomas, H., Sen, S., Khan, M., Battail, B., and Ligabue, G. (1982) The Lower Miocene fauna of Al-Sarrar (eastern province, Saudi Arabia). *The Journal of Saudi Arabian Archaeology*, **5**, 109–36.
- Thompson, W. L. (ed.) (2004) *Sampling Rare and Elusive Species: Concepts, Designs, and Techniques for Estimating Population Parameters*. Island Press, Washington DC.
- Thompson, W. L., White, G. C., and Gowan, C. (1998) *Monitoring Vertebrate Populations*. Academic Press, San Diego, CA.
- Thorbjarnarson, J. (1999) Crocodile tears and skins: international trade, economic constraints, and limits to the sustainable use of crocodylians. *Conservation Biology*, **13**, 465–70.
- Thornton, P. K., Kruska, R. L., Henninger, N., et al. (2002) *Mapping Poverty and Livestock in the Developing World*. International Livestock Research Institute, Nairobi, Kenya.
- Thresher, P. (1981) The economics of a lion. *Unasylva*, **33**, 34–5.
- Tigers Forever (2009) <[www.tigersforever.org](http://www.tigersforever.org)>. Accessed online 15 Dec 2008.
- Tilson, R. and Christie, S. (1999) Effective tiger conservation requires cooperation: zoos as a support for wild tigers. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger: Tiger Conservation in Human Dominated Landscapes*, pp. 201–14. Cambridge University Press, Cambridge, UK.
- Tilson, R. and Nyhus, P. J. (1998) Keeping problem tigers from becoming a problem species. *Conservation Biology*, **12**, 261.
- Tinsley, J. B. (1970) *The Florida Panther*. Great Outdoors Publishing Company, St Petersburg, FL.
- Tirado, C., Cortes, A., and Bozinovic, F. (2007) Metabolic rate, thermoregulation and water balance in *Lagidium viscacia* inhabiting the arid Andean plateau. *Journal of Thermal Biology*, **32**, 220–6.
- Todd, N. B. (1962) The inheritance of the catnip response in domestic cats. *Journal of Heredity*, **53**, 54–6.
- Tompkins, D. M., Dobson, A. P., Arneberg, P., et al. (2002) Parasites and host population dynamics. In P. J. Hudson (ed.), *The Ecology of Wildlife Diseases*, pp. 45–62. Oxford University Press, Oxford, UK.
- Torres, N. M., Filho, J. A. F. D., De Marco, P. J., Jacomo, A. T. A., and Silveira, L. (2007) Jaguar distribution and conservation status in Brazil. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 109. Wildlife Conservation Research Unit, Oxford, UK.
- Torres, S. G., Mansfield, T. M., Foley, J. E., Lupo, T., and Brinkhaus, A. (1996) Mountain lion and human activity in California: testing speculations. *Wildlife Society Bulletin*, **24**, 451–60.
- Toth, M. (2008) A new noninvasive method for detecting mammals from birds' nests. *Journal of Wildlife Management*, **72**, 1237–40.
- Townshend, F. T. (1875) *Wild Life in Florida: With a Visit to Cuba*. Hurst and Blackett, London, UK.
- Transparency International (2008) Africa and the Middle East. Global Corruption Report 2008. <[www.transparency.org/publications/gcr/gcr\\_2008#open](http://www.transparency.org/publications/gcr/gcr_2008#open)>. Accessed online 16 Dec 2008.
- Treves, A. and Karanth, K. U. (2003) Human-carnivore conflict and perspectives on carnivore management worldwide. *Conservation Biology*, **17**, 1491–9.
- Treves, A. and Naughton-Treves, L. (1999) Risk and opportunity for humans coexisting with large carnivores. *Journal of Human Evolution*, **36**, 275–82.
- Treves, A., Wallace, R. B., Naughton-Treves, L., and Morales, A. (2006) Co-managing human-wildlife conflicts: a review. *Human Dimensions of Wildlife*, **11**, 383–96.
- Treves, A., Naughton-Treves, L., Harper, E. K., et al. (2004) Predicting human-carnivore conflict: a spatial model derived from 25 years of data on wolf predation on livestock. *Conservation Biology*, **18**, 114–25.
- Trigo, T. C., Freitas, T. R. O., Kunzler, G., et al. (2008) Interspecies hybridization among Neotropical cats of the genus, and evidence for an introgressive hybrid zone between and in southern Brazil. *Molecular Ecology*, **17**, 4317–33.
- Trivedi, P., Bhatnagar, Y. V., and Mishra, C. (2006) *Living with snow leopards: a conservation education strategy for the Himalayan high altitudes*. NCF Technical Report. Nature Conservation Foundation and International Snow Leopard Trust, Mysore, India.
- Trolle, M. and Kéry, M. (2005) Camera-trap study of ocelot and other secretive mammals in the northern Pantanal. *Mammalia*, **69**, 409–16.
- Trolle, M. and Kéry, M. (2003) Estimation of ocelot density in the Pantanal using capture-recapture analysis of camera-trapping data. *Journal of Mammalogy*, **84**, 607–14.
- Trovati, R. G. (2004) *Monitoramento radiotelemétrico de pequeno e médios carnívoros na área de influência da UHE Luiz Eduardo Magalhães/ Lajeado—TO*. MS dissertation, Universidade de São Paulo, São Paulo, Brazil.
- Troyer, J. L., Pecon-Slattery, J., Roelke, M. E., et al. (2005) Seroprevalence and genomic divergence of circulating strains of feline immunodeficiency virus among Felidae and Hyaenidae species. *Journal of Virology*, **79**, 8282–94.
- Troyer, J. L., Pecon-Slattery, J., Roelke, M. E., Black, L., Packer, C., and O'Brien, S. J. (2004) Patterns of feline immunodeficiency virus multiple infection and genome

- divergence in a free-ranging population of African lions. *Journal of Virology*, **78**, 3777–91.
- Tryjanowski, P., Antczak, M., Hromada, M., Kuczynski, L., and Skoracki, M. (2002) Winter feeding ecology of male and female European wildcats *Felis silvestris* in Slovakia. *Zeitschrift Fur Jagdwissenschaft*, **48**, 49–54.
- Tubbesing, U. H. (1997) An outbreak of anthrax amongst wild carnivore species held in captivity. In J. van Heerden (ed.), *Lions and Leopards as Game Ranch Animals*, pp. 163–7. Wildlife Group of the South African Veterinary Association, Onderstepoort, South Africa.
- Tuck, S. L. (2005) The origins of Roman imperial hunting imagery: Domitian and the redefinition of the *virtus* under the principate. *Greece and Rome*, **52**, 221–45.
- Turnbull-Kemp, P. (1967) *The Leopard*. Howard Timmins, Cape Town, South Africa.
- Turner, A. (1990) The evolution of the guild of larger terrestrial carnivores during the Plio-pleistocene in Africa. *Geobios*, **23**, 349–68.
- Turner, A. and Antón, M. (1997) *The Big Cats and Their Fossil Relatives*. Columbia University Press, New York.
- Turner, M. (1987) *My Serengeti Years*. W.W. Norton & Company, New York.
- Tuytens, F. A. M. and Macdonald, D. W. (2000) Consequences of social perturbation for wildlife management and conservation. In L. M. Gosling and W. J. Sutherland (eds.), *Behaviour and Conservation*, pp. 315–29. Cambridge University Press, Cambridge, UK.
- Tuytens, F. A. M., Delahay, R. J., Macdonald, D. W., Cheeseman, C. L., Long, B., and Donnelly, C. A. (2000) Spatial perturbation caused by a badger (*Meles meles*) culling operation: implications for the function of territoriality and the control of bovine tuberculosis (*Mycobacterium bovis*). *Journal of Animal Ecology*, **69**, 815–28.
- UN-Habitat (2006) *UN-HABITAT Annual Report*. United Nations, Nairobi, Kenya.
- UN (2007) World population prospects: the 2006 revision population database. <www.esa.un.org/unpp/>. Accessed online.
- UNEP-WCMC (2009) CITES trade database. United Nations Environment Program—World Conservation Monitoring Centre, Cambridge. <www.unep-wcmc.org/citestrade>. Accessed online 11 Nov 2009.
- UNEP-WCMC. (2008) CITES trade database. United Nations Environment Program-World Conservation Monitoring Centre, Cambridge. <www.unep-wcmc.org/citestrade/>. Accessed online 16 Sept 2008.
- Uphyrkina, O., Johnson, W. E., Quigley, H. B., et al. (2001) - Phylogenetics, genome diversity and origin of modern leopard, *Panthera pardus*. *Molecular Ecology*, **10**, 2617–33.
- Uryu, Y., Mott, C., Foad, N., et al. (2008) *Deforestation, Forest Degradation, Biodiversity Loss and CO<sub>2</sub> Emissions in Riau, Sumatra, Indonesia*. WWF Indonesia, Jakarta, Indonesia.
- US Census Bureau (2007) Cumulative estimates of population change for counties of Florida and county rankings: April 1, 200 to July 1, 2006. <www.census.gov/popest/counties/tables/CO-EST2006-02-12.xls>. Accessed online 11 Sept 2008.
- US Department of Agriculture National Agricultural Statistics Service (2008a) Montana data—sheep, lambs and goats. <www.nass.usda.gov/Data\_and\_Statistics/Quick\_Stats/#top>. Accessed online 1 Sept 2008.
- US Department of Agriculture National Agricultural Statistics Service (2008b) Montana data—cattle and calves. <www.nass.usda.gov/Data\_and\_Statistics/Quick\_Stats/#top>. Accessed online 1 Sept 2008.
- US Department of Agriculture National Agricultural Statistics Service (2008c) Sheep and lamb losses: total by predator cause and number of head, Montana, USA. <www.nass.usda.gov/Statistics\_by\_State/Montana/Publications/livestock/sh&llos3.htm#top>. Accessed online 1 Sept 2008.
- US Department of Agriculture National Agricultural Statistics Service (2001) Cattle predator loss. <www.usda.manlib.cornell.edu/usda/nass/CattPredLo//2000s/2001/CattPredLo-05-04-2001.pdf>. Accessed online 1 Sept 2008.
- US Federal Register (2005) *Endangered and Threatened Wildlife and Plants: Regulation for Nonessential Experimental Populations of the Western Distinct Population Segment of the Gray Wolf*. Department of the Interior—Fish and Wildlife Service, Washington DC.
- US Federal Register (2000) *Downlisting of Cheetahs in Namibia*. US Government, Washington DC.
- US Federal Register (1996) Proposed policy and proposed rule on the treatment of intercrosses and intercross progeny (the issue of ‘hybridization’). *Federal Register*, **61**, 4709–13.
- US Federal Register (1967) *Native Fish and Wildlife: Endangered Species*. Department of the Interior—Fish and Wildlife Service, Washington DC.
- USAID (2005) *Namibia: Living in a Finite Environment (LIFE) Plus Project*. US Agency for International Development, Washington DC.
- USFWS (2008a) *Florida Panther Recovery Plan* (Puma concolor coryi). 3rd revision. United States Fish and Wildlife Service, Atlanta, GA.
- USFWS (2008b) *Revised Critical Habitat Proposed for Canada Lynx*. United States Fish and Wildlife Service, Washington DC.
- USFWS (2006) *Guidelines for Living with Florida Panthers and the Interagency Florida Panther Response Plan*. United States Fish and Wildlife Service and Florida Panther National Wildlife Refuge, Naples, FL.
- USFWS (1994) *Final Environmental Assessment: Genetic Restoration of the Florida Panther*. United States Fish and Wildlife Service, Atlanta, GA.



- Uzal, F. A., Houston, R. S., Riley, S. P. D., Poppenga, R., Odani, J., and Boyce, W. (2007) Notoedric mange in two free-ranging mountain lions (*Puma concolor*). *Journal of Wildlife Diseases*, **43**, 274–8.
- Valeix, M., Loveridge, A. J., Chamaille-Jammes, S., et al. (2009a) Behavioral adjustments of African herbivores to predation risk by lions: spatiotemporal variations influence habitat use. *Ecology*, **90**, 23–30.
- Valeix, M., Loveridge, A. J., Davidson, Z., Hunt, J. E., Murindagomo, E., and Macdonald, D. W. (2009b) Does the risk of encountering lions influence African herbivore behavior at waterholes? *Behavioral Ecology and Sociobiology*. DOI 10.1007/s00265-009-0760-3.
- Valicek, L., Smid, B., and Vahala, J. (1993) Demonstration of parvovirus in diarrhoeic African cheetahs (*Acinonyx jubatus jubatus* Schreber, 1775). *Veterinarni Medicina*, **38**, 245–9.
- Valiere, N., Fumagalli, L., Gielly, L., et al. (2003) Long-distance wolf recolonization of France and Switzerland inferred from non-invasive genetic sampling over a period of 10 years. *Animal Conservation*, **6**, 83–92.
- Valverde, J. A. (1957) Notes écologiques sur le lynx d'Espagne *Felis lynx pardina* Temminck. *Revue d'Ecologie—La Terre et la Vie*, **104**, 51–67.
- Van Bommel, L., Bij de Vaate, M. D., De Boer, W. F., and De Jongh, H. H. (2007) Factors affecting livestock predation by lions in Cameroon. *African Journal of Ecology*, **45**, 490–8.
- van den Brink, F. H. (1970) Distribution and speciation of some Carnivores Part I. *Mammal Review*, **1**, 67–78.
- Van Dorsser, F. J., Lasano, S., and Steinetz, B. G. (2007) Pregnancy diagnosis in cats using a rapid bench-top kit to detect relaxin in urine. *Reproduction in Domestic Animals*, **42**, 111–12.
- van Heezik, Y. M. and Seddon, P. J. (1998) Range size and habitat use of an adult male caracal in northern Saudi Arabia. *Journal of Arid Environments*, **40**, 109–12.
- van Orsdol, K. G. (1984) Foraging behavior and hunting success of lions in Queen Elizabeth National Park, Uganda. *African Journal of Ecology*, **22**, 79–99.
- van Orsdol, K. G. (1981) *Lion predation in Rwenzori National Park, Uganda*. PhD dissertation, Cambridge University, Cambridge, UK.
- van Orsdol, K. G., Hanby, J. P., and Bygott, J. D. (1985) Ecological correlates of lion social organization (*Panthera leo*). *Journal of Zoology*, **206**, 97–112.
- Van Rensburg, I. B., and Silkstone, M. A. (1984) Concomitant feline infectious peritonitis and toxoplasmosis in a cheetah (*Acinonyx jubatus*). *Journal of the South African Veterinary Association*, **55**, 205–7.
- van Rooyen, T. H. (1984) The soils of the Kalahari Gemsbok National Park. *Koedoe Supplement*, **1984**, 45–63.
- Van Valkenburgh, B. (2007) Déjà vu: The evolution of feeding morphologies in the Carnivora. *Integrative and Comparative Biology*, **47**, 147–63.
- Van Valkenburgh, B. (1996) Feeding behavior in free-ranging, large African carnivores. *Journal of Mammalogy*, **77**, 240–54.
- Van Valkenburgh, B. (1988) Incidence of tooth breakage among large predatory mammals. *American Naturalist*, **131**, 291–302.
- Van Valkenburgh, B. (1987) Skeletal indicators of locomotor behavior in living and extinct carnivores. *Journal of Vertebrate Paleontology*, **7**, 162–82.
- Van Valkenburgh, B. and Ruff, C. B. (1987) Canine tooth strength and killing behaviour in large carnivores. *Journal of Zoology*, **212**, 379–97.
- Van Valkenburgh, B. and Wayne, R. K. (1994) Shape divergence associated with size convergence in sympatric East African jackals. *Ecology*, **75**, 1567–81.
- Van Valkenburgh, B., Grady, F., and Kurten, B. (1990) The Plio-Pleistocene cheetah-like cat *Miracinonyx inexpectatus* of North America. *Journal of Vertebrate Paleontology*, **10**, 434–54.
- van Vuuren, M., Goosen, T., and Rogers, P. (1999) Feline herpesvirus infection in a group of semi-captive cheetahs. *Journal of the South African Veterinary Medical Association*, **70**, 132–4.
- van Vuuren, M., Stylianides, E., and du Rand, A. (1997) The prevalence of viral infections in lions and leopards in southern Africa. In *Proceedings of a Symposium on Lions and Leopards as Game Ranch Animals*, pp. 168–73. Onderstepoort, South Africa.
- Van Zyll de Jong, C. G. (1966) Food habits of the lynx in Alberta and the Mackenzie District, N.W.T. *Canadian Field-Naturalist*, **80**, 18–23.
- VanderWaal, K. L., Mosser, A., and Packer, C. (2009) Optimal group size, dispersal decisions and post-dispersal relationships in female African lions. *Animal Behaviour*, **77**, 949–54.
- Vargas, A. (2006) Overview of the various disciplines involved in the ex situ conservation program. In *Iberian Lynx Ex-Situ Conservation Seminar Series: Book of Proceedings*, pp. 5–11. Fundación Biodiversidad, Sevilla and Doñana, Spain.
- Vargas, A., Sánchez, I., Martínez, F. et al. (2009) Interdisciplinary methods in the Iberian lynx (*Lynx pardinus*) Conservation Breeding Programme. In A. Vargas, C. Breitenmoser, U. Breitenmoser (eds.), *Iberian Lynx Ex-situ Conservation: An Interdisciplinary Approach*, pp. 56–71. Fundación Biodiversidad, Madrid, Spain.
- Vargas, A., Gober, P., Lockhart, M., and Marinari, P. E. (2000) Black-footed ferrets: recovering an endangered species in an endangered habitat. In H. Griffin (ed.), *Mustelids in a Modern World: Conservation Aspects of Human-Carnivore Interaction*, pp. 97–106. Hull University Press, Hull, UK.
- Vargas, A., Martínez, F., Bergara, J., Klink, L. D., Rodríguez, J. M., and Rodríguez, D. (2005) Iberian lynx *ex situ* conservation update. *Cat News*, **43**, 21–2.
- Vargas, A., Sanchez, I., Martinez, F., et al. (2008) The Iberian lynx *Lynx pardinus* conservation breeding program. *International Zoo Yearbook*, **42**, 190–8.

- Vargas, A., Sánchez, I., Godoy, J., *et al.* (eds.) (2007) *Plan de Acción para la cría en cautividad del lince ibérico*. Ministerio de Medio Ambiente, Madrid, Spain.
- Venkataraman, A. B. and Johnsingh, A. J. T. (2004) Dholes. The behavioural ecology of dholes in India. In D. W. Macdonald and C. Sillero-Zubiri (eds.), *The Biology and Conservation of Wild Canids*, pp. 323–35. Oxford University Press, Oxford, UK.
- Vereshchagin, N. K. (1971) Cave lions of Holarctics. *Trudy Zoologicheskogo Instituta*, **49**, 123–99.
- Veterinary Specialist Group (2008) <www.iucn-vsg.org>. Accessed online 10 Sept 2008.
- Vézina, A. F. (1985) Empirical relationships between predator and prey size among terrestrial vertebrate predators. *Oecologia*, **67**, 555–65.
- Vial, F., Cleaveland, S., Rasmussen, G., and Haydon, D. T. (2006) Development of vaccination strategies for the management of rabies in African wild dogs. *Biological Conservation*, **131**, 180–92.
- Vicente, J., Hofle, U., Garrido, J. M., *et al.* (2007) Risk factors associated with the prevalence of tuberculosis-like lesions in fenced wild boar and red deer in south central Spain. *Veterinary Research*, **38**, 451–64.
- Vicente, J., Hofle, U., Garrido, J. M., *et al.* (2006) Wild boar and red deer display high prevalences of tuberculosis-like lesions in Spain. *Veterinary Research*, **37**, 107–19.
- Vidolin, G. P. (2004) *Aspectos bio-ecológicos de Puma concolor (Linnaeus, 1758) e Leopardus pardalis (Schreber, 1775) na Reserva Natural Salto Morato, Guaraqueçaba, Paraná, Brasil*. MS dissertation, Universidade Federal do Paraná, Curitiba, Brazil.
- Vigne, J. D. (1992) Zooarchaeology and the biographical history of the mammals of Corsica and Sardinia, since the last Ice Age. *Mammal Review*, **22**, 87–96.
- Villa Meza, A., de, Martinez Meyer, E., and Lopez Gonzalez, C. A. (2002) Ocelot (*Leopardus pardalis*) food habits in a tropical deciduous forest of Jalisco, Mexico. *American Midland Naturalist*, **148**, 146–54.
- Villafuerte, R., Calvete, C., Gortazar, C., and Moreno, S. (1994) First epizootic of rabbit hemorrhagic disease in free-living populations of *Oryctolagus cuniculus* at Donana National Park, Spain. *Journal of Wildlife Diseases*, **30**, 176–9.
- Villalba, M. L. (2002) Andean cat photographed in South-west Bolivia. *Cat News*, **36**, 19–20.
- Villalba, M. L., Bernal, N., Nowell, K. and Macdonald, D. W. (in press) The Andean cat (*Oreailurus jacobita*) and pampas cat (*Oncifelis colocolo*) in the Bolivian Andes. Preliminary geographical distribution and notes on traditional beliefs. *Endangered Species Research*.
- Villalba, M. L., Lucherini, M., Walker, S., *et al.* (2004) *The Andean Cat: Conservation Action Plan*. Andean Cat Alliance, La Paz, Bolivia.
- Viranta, S. and Werdelin, L. (2003) Carnivora. In M. Fortelius, J. Kappelman, S. Sen, and R. Bernor (eds.), *Geology and Paleontology of the Miocene Sinap Formation, Turkey*, pp. 178–93. Columbia University Press, New York.
- Viret, J. (1954) Le loess a bancs durcis de Saint-Vallier (Drôme) et sa faune de mammifères Villafranchiens. *Nouvelles Archives du Muséum d'Histoire Naturelle de Lyon*, **4**, 1–200.
- Viret, J. (1951) Catalogue critique de la faune des mammifères Miocènes de La Grive Saint-Alban (Isère). *Nouvelles Archives du Muséum d'Histoire Naturelle de Lyon*, **3**, 1–104.
- Viscarra, M. E. (2008) *Distribución, densidad y dieta de carnívoros en cuatro tipos de habitats en un área de la Provincia Sud Lípez, Potosí, Bolivia*. BSc dissertation, Universidad Mayor de San Andrés, La Paz, Bolivia.
- Voigt, C., Jewgenow, K., Martínez, F., Göritz, F., and Vargas, A. (2007) Monitoring reproductive status in *ex situ* breeding programs for mammals with a novel and gentle bleeding technique: use of blood-sucking bugs in the critically endangered Iberian lynx. In M. East and E. J. Hofer (eds.), *Contributions to the 6th International Wildlife Research Conference in Behaviour, Physiology and Genetics*, p. 239. Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany.
- Vollrath, F. and Douglas-Hamilton, I. (2002) African bees to control African elephants. *Naturwissenschaften*, **89**, 508–11.
- Voloshina, I. V. and Myslenkov, A. I. (1994) Morphological characteristics of Amur goral. In A. I. Myslenkov (ed.), *Amur Goral: Collected Scientific Work*, pp. 75–83. Central Scientific Publishing Laboratory of Wildlife Management and Zapovedniks, Moscow, Russia.
- von Arx, M., Breitenmoser-Würsten, C., Zimmermann, F., and Breitenmoser, U. (2004) *Status and Conservation of the Eurasian Lynx (Lynx lynx) in Europe in 2001*. KORA Bericht. KORA, Muri, Switzerland.
- Vos, J. (2000) Food habits and livestock depredation of two Iberian wolf packs (*Canis lupus signatus*) in the north of Portugal. *Journal of Zoology*, **251**, 457–62.
- Vyas, V. R., Lakhmapurkar, J. J., and Gavali, D. (2007) Sighting of rusty-spotted cat from new localities in central Gujarat. *Cat News*, **46**, 18.
- Vynne, C., Almeida, R., and Silveira, L. (2007) Landscape matrix composition affects distribution of puma and jaguar in a cerrado ecosystem. In *Felid Biology and Conservation Conference 17–20 September 2007: Programme and Abstracts*, p. 66. Wildlife Conservation Research Unit, Oxford, UK.
- Wack, R. (2003) Felidae. In M. E. Fowler and R. E. Miller (eds.), *Zoo and Wild Animal Medicine*, pp. 491–501. W.B. Saunders, St Louis, MO.
- Wade, D., Mwasaga, B. C., and Eagles, P. (2001) A history and market analysis of tourism in Tanzania. *Tourism Management*, **22**, 93–101.
- Wagner, K. K., Schmidt, R. H., and Conover, M. R. (1997) Compensation programs for wildlife damage in North America. *Wildlife Society Bulletin*, **25**, 312–19.
- Waits, L., Taberlet, P., Swenson, J. E., Sandegren, E., and Franzen, R. (2000) Nuclear DNA microsatellite analysis

- of genetic diversity and gene flow in the Scandinavian brown bear (*Ursus arctos*). *Molecular Ecology*, **9**, 421–31.
- Waits, L. P. (2004) Using noninvasive genetic sampling to detect and estimate abundance of rare wildlife species. In W. L. Thompson (ed.), *Sampling Rare or Elusive Species: Concepts, Designs and Techniques for Estimating Population Parameters*, pp. 211–28. Island Press, Washington DC.
- Waits, L. P., Buckley-Beason, V. A., Johnson, W. E., Onorato, D., and McCarthy, T. (2007) A select panel of polymorphic microsatellite loci for individual identification of snow leopards (*Panthera uncia*): primer note. *Molecular Ecology Notes*, **7**, 311–14.
- Walker, R. S. and Craighead, L. (1997) Least-cost-path corridor analysis: analyzing wildlife movement corridors in Montana using GIS. In *Proceedings of the ESRI European User Conference on Analyzing Wildlife Movement Corridors in Montana Using GIS, Copenhagen*, pp. 1–18. ESRI, Redlands, CA.
- Walker, R. S., Novaro, A. J., Perovic, P., et al. (2007) Diets of three species of Andean carnivores in high-altitude deserts of Argentina. *Journal of Mammalogy*, **88**, 519–25.
- Walker, R. S., Novaro, A. J., and Branch, L. C. (2003) The effects of patch attributes, barriers, and distance between patches on the distribution of a rock-dwelling rodent (*Lagidium viscacia*). *Landscape Ecology*, **18**, 185–92.
- Walker, R. S., Pancotto, V., Schachter-Broide, J., Ackermann, G., and Novaro, A. J. (2000) Evaluation of a fecal pellet index of abundance for mountain vicachas (*Lagidium viscacia*) in Patagonia. *Mastozoologia Neotropical*, **7**, 89–94.
- Wallace, R. B., Gomez, H., Ayala, G., and Espinoza, F. (2003) Camera trapping capture frequencies for jaguar (*Panthera onca*) in the Tuichi Valley, Bolivia. *Mastozoologia Neotropical*, **10**, 133–9.
- Walls, G. L. (1942) *The Vertebrate Eye and Its Adaptive Radiation*. Harper, New York.
- Walpole, M. and Thouless, C. R. (2005) Increasing the value of wildlife through non-consumptive use? Deconstructing the myths of ecotourism and community based tourism in the tropics. In R. Woodroffe, S. Thirgood, and A. Rabinowitz (eds.), *People and Wildlife: Conflict or Coexistence?*, pp. 122–39. Cambridge University Press, Cambridge, UK.
- Wang, E. (2002) Diets of ocelots (*Leopardus pardalis*), margays (*L. wiedii*), and oncillas (*L. tigrinus*) in the Atlantic Rainforest in southeast Brazil. *Studies on Neotropical Fauna and Environment*, **37**, 207–12.
- Wang, S. W. (2008) *Understanding ecological interactions among carnivores, ungulates and farmers in Bhutan's Jigme Singye Wangchuck National Park*. PhD dissertation, Cornell University, Ithaca, NY.
- Wang, S. W. (2007) A rare morph of the Asiatic golden cat in Bhutan's Jigme Singye Wangchuck National Park. *Cat News*, **47**, 27–8.
- Wang, S. W. and Macdonald, D. W. (2009a) The use of camera traps for estimating tiger and leopard populations in the high altitude mountains of Bhutan. *Biological Conservation*, **142**, 606–13.
- Wang, S. W. and Macdonald, D. W. (2009b) Feeding habits and niche partitioning in a predator guild composed of tigers, leopards and dholes in a temperate ecosystem in central Bhutan. *Journal of Zoology*, **277**, 275–83.
- Wang, S. W. and Macdonald, D. W. (2006) Livestock predation by carnivores in Jigme Singye Wangchuck National Park, Bhutan. *Biological Conservation*, **129**, 558–65.
- Wang, X., Ye, J., Meng, J., Wu, W., Liu, L., and Bi, S. (1998) Carnivora from middle Miocene of northern Junggar Basin, Xinjiang Autonomous Region, China. *Vertebrata Palasiatica*, **36**, 218–43.
- Ward, R. M. P. and Krebs, C. J. (1985) Behavioural responses of lynx to declining snowshoe hare abundance. *Canadian Journal of Zoology*, **63**, 2817–24.
- Wassner, D. A., Guenther, D. D., and Layne, J. N. (1988) Ecology of the bobcat in south-central Florida USA. *Bulletin of the Florida State Museum Biological Sciences*, **33**, 159–228.
- Wayne, R. K. and Ostrander, E. A. (1999) Origin, genetic diversity, and genome structure of the domestic dog. *Bioessays*, **21**, 247–57.
- WCED (1987) *World Commission on Environment and Development (WCED), 'Our Common Future'*. Oxford University Press, New York.
- WCMC-CITES (2009) CITES Trade Database. <[www.unep-wcmc.org/citestrade/trade.cfm](http://www.unep-wcmc.org/citestrade/trade.cfm)>. Accessed online 10 May 2009.
- WCS (2008) All about jaguars: threats. Wildlife Conservation Society. <[www.savethejaguar.com/jag-index/jag-allabout/jag-aboutthreats](http://www.savethejaguar.com/jag-index/jag-allabout/jag-aboutthreats)>. Accessed online 4 Sept 2008.
- Weaver, J. L. (1993) Refining the equation for interpreting prey occurrence in gray wolf scats. *Journal of Wildlife Management*, **57**, 534–8.
- Weaver, J. L., Paquet, P. C., and Ruggiero, L. F. (1996) Resilience and conservation of large carnivores in the Rocky Mountains. *Conservation Biology*, **10**, 964–76.
- Weber, W. and Rabinowitz, A. R. (1996) A global perspective on large carnivore conservation. *Conservation Biology*, **10**, 1046–54.
- Webster, D. B. (1962) A function of the enlarged middle-ear cavities of the kangaroo rat, *Dipodomys*. *Physiological Zoology*, **35**, 248–55.
- Weckel, M., Giuliano, W., and Silver, S. (2006a) Cockscomb revisited: Jaguar diet in the Cockscomb Basin Wildlife Sanctuary, Belize. *Biotropica*, **38**, 667–90.
- Weckel, M., Giuliano, W., and Silver, S. (2006b) Jaguar (*Panthera onca*) feeding ecology: distribution of predator and prey through time and space. *Journal of Zoology*, **270**, 25–30.
- Wegge, P., Pokheral, C. P., and Jnawali, S. R. (2004) Effects of trapping effort and trap shyness on estimates of tiger abundance from camera trap studies. *Animal Conservation*, **7**, 251–6.

- Wegner, G. and Pascual, U. (2008) *Ecosystem services for human well-being—revisited*. Environment and Economy and Policy Discussion Paper, No. 2008.37. Department of Land Economy, University of Cambridge, Cambridge, UK.
- Weigel, I. (1961) Das Fellmuster der wildlebenden Katzenarten und der Hauskatze in vergleichender und stammesgeschichtlicher Hinsicht. *Saugetierkundliche Mitteilungen*, **9**, 1–120.
- Weisbein, Y. and Mendelssohn, H. (1989) The biology and ecology of the caracal (*Felis caracal*) in the Aravah Valley of Israel. *Cat News*, **12**, 20–2.
- Weissengruber, G. E., Forstenpointner, G., Peters, G., Kübber-Heiss, A., and Fitch, W. T. (2002) Hyoid apparatus and pharynx in the lion (*Panthera leo*), jaguar (*Panthera onca*), tiger (*Panthera tigris*), cheetah (*Acinonyx jubatus*) and domestic cat (*Felis silvestris f. catus*). *Journal of Anatomy*, **201**, 195–209.
- Welburn, S. C., Picozzi, K., Coleman, P. G., and Packer, C. (2008) Patterns in age sero-prevalence consistent with acquired immunity against *Trypanosoma brucei* in Serengeti lions. *PLoS Neglected Tropical Diseases*, **2**, e347.
- Welburn, S. C., Fevre, E. M., Coleman, P. G., Odiit, M., and Maudlin, I. (2001) Sleeping sickness: a tale of two disease. *Trends in Parasitology*, **17**, 19–24.
- Wells, A., Terio, K. A., Ziccardi, M. H., and Munson, L. (2004) The stress response to environmental change in captive cheetahs (*Acinonyx jubatus*). *Journal of Zoo and Wildlife Medicine*, **35**, 8–14.
- Wells, M. and McShane, T. O. (2004) Integrating protected area management with local needs and aspirations. *Ambio*, **33**, 513–19.
- Wemmer, C. and Scow, J. (1977) Communication in the Felidae with emphasis on scent marking and contact patterns. In T. Seboek (ed.), *How Animals Communicate*, pp. 749–66. Indiana University Press, Bloomington, IN.
- Wentzel, J., Stephens, J. C., Johnson, W., et al. (1999) Molecular genetic ascertainment of subspecies affiliation in tigers. In J. Seidensticker, S. Christie, and P. Jackson (eds.), *Riding the Tiger; Meeting the Needs of People and Wildlife in Asia*, pp. 40–9. Cambridge University Press, Cambridge, UK.
- Werdelin, L. (2003a) Carnivores from the Kanapoi hominid site, Turkana Basin, northern Kenya. *Contributions in Science*, **498**, 115–32.
- Werdelin, L. (2003b) Mio-Pliocene Carnivora from Lothagam, Kenya. In M. G. Leakey and J. M. Harris (eds.), *Lothagam: Dawn of Humanity in Eastern Africa*, pp. 261–328. Columbia University Press, New York.
- Werdelin, L. (1989) The radiation of felids in South America: when and where did it occur? In *5th International Theriological Congress, Rome, Abstracts of Papers and Posters*, pp. 290–1. Rome, Italy.
- Werdelin, L. (1985) Small Pleistocene felines of North America. *Journal of Vertebrate Paleontology*, **5**, 194–210.
- Werdelin, L. (1983) Morphological patterns in the skulls of cats. *Biological Journal of the Linnean Society*, **19**, 375–91.
- Werdelin, L. (1981) The evolution of lynxes. *Annales Zoologici Fennici*, **18**, 37–71.
- Werdelin, L. and Dehghani, R. (in press) Carnivora. In T. Harrison (ed.), *Paleontology and Ecology of Laetoli, Tanzania: Human Evolution in Context*. Springer, New York.
- Werdelin, L. and Lewis, M. E. (2005) Plio-Pleistocene Carnivora of eastern Africa: species richness and turnover patterns. *Zoological Journal of the Linnean Society*, **144**, 121–44.
- Werdelin, L. and Lewis, M. E. (2001) A revision of the genus *Dinofelis* (Mammalia, Felidae). *Zoological Journal of the Linnean Society*, **132**, 147–258.
- Werdelin, L. and Olsson, L. (1997) How the leopard got its spots: a phylogenetic view of the evolution of feline coat patterns. *Biological Journal of the Linnean Society*, **62**, 383–400.
- Werdelin, L. and Sardella, R. (2006) The 'Homotherium' from Langebaanweg, South Africa and the origin of *Homotherium*. *Paleontographica, Abteilung A: Paläozoologie—Stratigraphie*, **277**, 123–30.
- West, H. (2001) Sorcery of construction and socialist modernisation: ways of understanding power in postcolonial Mozambique. *American Ethnologist*, **28**, 119–50.
- West, P. M. and Packer, C. (in press) African lion *Panthera leo*. In J. S. Kingdon and M. Hoffmann (eds.), *The Mammals of Africa 5: Carnivora, Pholidota, Perissodactyla*. Academic Press, Amsterdam, The Netherlands.
- Westemeier, R. L., Brawn, J. D., Simpson, S. A., et al. (1998) Tracking the long-term decline and recovery of an isolated population. *Science*, **282**, 1695–8.
- Western, D. and Henry, W. (1979) Economics and conservation in third world national parks. *BioScience*, **29**, 414–18.
- Western, D., Wright, D. H., and Strum, S. (1994) *Natural connections: perspectives in community-based conservation*. Island Press, Washington DC.
- Wheeler, Q. D. and Platnick, N. J. (2000) A critique from the Wheeler and Platnick phylogenetic species concept perspective: problems with alternative concepts of species. In Q. D. Wheeler and R. Meier (eds.), *Species Concepts and Phylogenetic Theory: A Debate*, pp. 133–45. Columbia University Press, New York.
- White, G. C. and Garrott, R. A. (1990) *Analysis of Wildlife Radio-Tracking Data*. Academic Press, San Diego, CA.
- White, M. (2009) Path of the jaguar. *National Geographic*, **March 2009**, 122–33.
- Whitman, K., Starfield, A. M., Quadling, H. S., and Packer, C. (2004) Sustainable trophy hunting of African lions. *Nature*, **428**, 175–8.
- Whitman, K. L., Starfield, A. M., Quadling, H., and Packer, C. (2007) Modeling the effects of trophy selection and environmental disturbance on a simulated population of African lions. *Conservation Biology*, **21**, 591–601.
- Wielebnowski, N. C., Fletchall, N., Carlstead, K., Busso, J. M., and Brown, J. L. (2002a) Non-invasive assessment of

- adrenal activity associated with husbandry and behavioral factors in the North American clouded leopard population. *Zoo Biology*, **21**, 77–98.
- Wielebnowski, N. C., Ziegler, K., Wildt, D. E., Lukas, J., and Brown, J. L. (2002b) Impact of social management on reproductive, adrenal and behavioural activity in the cheetah (*Acinonyx jubatus*). *Animal Conservation*, **5**, 291–301.
- Wielgus, R. B. and Bunnell, F. L. (2000) Possible negative effects of adult male mortality on female grizzly bear reproduction. *Biological Conservation*, **93**, 145–54.
- Wikramanayake, E. D., Manandhar, A., and Nepal, S. (2010) The Terai Arc Landscape: a tiger conservation success story in a human dominated landscape. In R. Tilson and P. Nyhus (eds.), *Tigers of the World: The Science, Politics and Conservation of Panther tigris*. Academic Press, New York.
- Wikramanayake, E. D., McKnight, M., Dinerstein, E., Joshi, A. R., Gurung, B., and Smith, D. (2004) Designing a conservation landscape for tigers in human-dominated environments. *Conservation Biology*, **18**, 839–44.
- Wikramanayake, E. D., Dinerstein, E., and Loucks, C. J. (eds.) (2002) *Terrestrial Ecoregions of the Indo-Pacific, a Conservation Assessment*. Island Press, Washington DC.
- Wikramanayake, E. D., Dinerstein, E., Robinson, J. G., et al. (1998) An ecology-based method for defining priorities for large mammal conservation: the tiger as case study. *Conservation Biology*, **12**, 865–78.
- Wilcox, R. W. (1999) The law of the least effort—cattle ranching and the environment in the savanna of Mato Grosso, Brazil 1900–1980. *Environmental History*, **4**, 338–68.
- Wild-Eck, S. and Zimmermann, W. (2001) Raubtierakzeptanz in der Schweiz: Erkenntnisse aus einer Meinungsumfrage zu Wald und Natur. *Forestry Snow and Landscape Research*, **76**, 285–300.
- Wild, M. A., Shenk, T. M., and Spraker, T. R. (2006) Plague as a mortality factor in Canada Lynx (*Lynx canadensis*) reintroduced to Colorado. *Journal of Wildlife Diseases*, **42**, 646–50.
- Wildt, D. E., Ellis, S., and Howard, J. G. (2001) Linkage of reproductive sciences: from ‘quick fix’ to ‘integrated’ conservation. In P. W. Concannon, G. C. W. England, W. Farstad, C. Linde-Forsberg, J. P. Versteegen, and C. Doberska (eds.), *Advances in Reproduction in Dogs, Cats and Exotic Carnivores*, pp. 295–307. Journals of Reproduction and Fertility, Ltd., Colchester, UK.
- Wildt, D. E., Brown, J. L., and Swanson, W. F. (1998) Reproduction in cats. In E. Knobil and J. Neill (eds.), *Encyclopedia of Reproduction*, pp. 497–510. Academic Press, New York.
- Wildt, D. E., Rall, W. F., Critser, J. K., Monfort, S. L., and Seal, U. S. (1997) Genome resource banks: ‘Living collections’ for biodiversity conservation. *BioScience*, **47**, 689–98.
- Wildt, D. E., Brown, J. L., Bush, M. E., et al. (1993) Reproductive status of cheetahs (*Acinonyx jubatus*) in North American zoos: the benefits of physiological surveys for strategic planning. *Zoo Biology*, **12**, 45–80.
- Wildt, D. E., Phillips, L. G., Simmons, L. G., et al. (1988) A comparative analysis of ejaculate and hormonal characteristics of the captive male cheetah, tiger, leopard, and puma. *Biology of Reproduction*, **38**, 245–55.
- Wildt, D. E., Bush, M. E., Goodrowe, K. L., et al. (1987a) Reproductive and genetic consequences of founding isolated lion populations. *Nature*, **329**, 328–31.
- Wildt, D. E., O’Brien, S. J., Howard, J. G., et al. (1987b) Similarity in ejaculate-endocrine characteristics in captive versus free-ranging cheetahs of two subspecies. *Biology of Reproduction*, **36**, 351–60.
- Wildt, D. E., Bush, M. E., Howard, J. G., et al. (1983) Unique seminal quality in the South African cheetah and a comparative evaluation in the domestic cat. *Biology of Reproduction*, **29**, 1019–25.
- Wilkie, D., Shaw, E., Rotberg, F., Morelli, G., and Auzel, P. (2000) Roads, development and conservation in the Congo Basin. *Conservation Biology*, **14**, 1614–22.
- Wilkins, L., Arias-Reveron, J. M., Stith, B. M., Roelke, M. E., and Belden, R. C. (1997) The Florida panther *Puma concolor coryi*: a morphological investigation of the subspecies with a comparison to other North and South American cougars. *Bulletin of the Florida Museum of Natural History*, **40**, 221–69.
- Willi, B., Filoni, C., Catao-Dias, J. L., et al. (2007) Worldwide occurrence of feline hemoplasma infections in wild felid species. *Journal of Clinical Microbiology*, **45**, 1159–66.
- Williams, B. K., Nichols, J. D., and Conroy, M. J. (2002a) *Analysis and Management of Animal Populations*. Academic Press, San Diego, CA.
- Williams, C. K., Ericsson, G., and Heberlein, T. A. (2002b) A quantitative summary of attitudes toward wolves and their reintroduction. *Wildlife Society Bulletin*, **30**, 575–84.
- Williams, E. S. (2001) Canine distemper. In E. S. Williams and I. K. Barker (eds.), *Infectious Diseases of Wild Mammals*, pp. 50–9. Iowa State University Press, Ames, IA.
- Williams, E. S., Thorne, E. T., Appel, M. J., and Belitsky, D. W. (1988) Canine distemper in black-footed ferrets (*Mustela nigripes*) from Wyoming. *Journal of Wildlife Diseases*, **24**, 385–98.
- Williams, G. A., Ott, T. L., Michal, J. J., et al. (2007) Development of a model for mapping cryptorchidism in sheep and initial evidence for association of INSL3 with the defect. *Animal Genetics*, **38**, 189–91.
- Williams, J. S. (1992) *Ecology of mountain lions in the Sun River area of northern Montana*. MS dissertation, Montana State University, Bozeman, MT.
- Williams, L. E. (1976) Florida panther. In J. N. Layne (ed.), *Rare and Endangered Biota of Florida. Volume 1: Mammals*, pp. 13–15. University of Florida Press, Gainesville, FL.
- Williams, R. W., Cavada, C., and Reinoso-Suárez, F. (1993) Rapid evolution of the visual system: a cellular assay of the retina and dorsal lateral geniculate nucleus of the

- Spanish wildcat and the domestic cat. *Journal of Neuroscience*, **13**, 208–28.
- Wilson, D. E. and Reeder, D. M. (1993) *Mammal Species of the World: A Taxonomic and Geographic Reference*. Smithsonian Institution Press, Washington DC.
- Wilson, D. E., Cole, F. R., Nichols, J. D., Rudran, R. and Foster, M. S. (eds.) (1996) *Measuring and Monitoring Biological Diversity: Standard Methods for Mammals*. Smithsonian Institution Press, Washington DC.
- Wilson, E. O. (2001) *The Diversity of Life*, 2nd edn. Penguin Books, London, UK.
- Wilson, K. R. and Anderson, D. R. (1985) Evaluation of two density estimators of small mammal population size. *Journal of Mammalogy*, **66**, 13–21.
- Wilting, A., Buckley-Beason, V. A., Feldhaar, H., Gadau, J., O'Brien, S. J., and Linsenmair, K. E. (2007a) Clouded leopard phylogeny revisited: Support for species recognition and population division between Borneo and Sumatra. *Frontiers in Zoology*, **4**, 1–10.
- Wilting, A., Feldhaar, H., Buckley-Beason, V. A., Linsenmair, K. E., and O'Brien, S. J. (2007b) Two modern species of clouded leopards: a molecular perspective. *Cat News*, **47**, 10–11.
- Wilting, A., Fischer, F., Abu Bakar, S., and Linsenmair, K. L. (2006) Clouded leopards, the secretive top-carnivore of South-East Asian rainforests: their distribution, status and conservation needs in Sabah, Malaysia. *BMC Ecology*, **6**, 1–13.
- Wingard, J. R. and Zahler, P. (2006) *Silent steppe: the illegal wildlife trade crisis in Mongolia*. Mongolia Discussion Papers, East Asia and Pacific Environment and Social Development Department, World Bank, Washington DC.
- Wint, W. (2000) *Botswana Aerial Survey Information System (BASIS) Manual*. ERGO and Botswana DWNP, Oxford, UK.
- Wolanski, E. J. and Gereta, E. (2001) Water quantity and quality as the factors driving the Serengeti ecosystem, Tanzania. *Hydrobiologia*, **485**, 169–80.
- Wolff, J. O. (1980) The role of habitat patchiness in the population dynamics of snowshoe hares. *Ecological Monographs*, **50**, 111–30.
- Woodroffe, R. (2001) Strategies for carnivore conservation: lessons from contemporary extinctions. In J. L. Gittleman, S. M. Funk, D. W. MacDonald, and R. K. Wayne (eds.), *Carnivore Conservation*, pp. 61–92. Cambridge University Press, Cambridge, UK.
- Woodroffe, R. (2000) Predators and people: using human densities to interpret declines of large carnivores. *Animal Conservation*, **3**, 165–73.
- Woodroffe, R. and Frank, L. G. (2005) Lethal control of African lions (*Panthera leo*): local and regional population impacts. *Animal Conservation*, **8**, 91–8.
- Woodroffe, R. and Ginsberg, J. R. (2005) King of the beasts? Evidence for guild redundancy among large mammalian carnivores. In J. C. Ray, K. H. Redford, R. S. Steneck, and J. Berger (eds.), *Large Carnivores and the Conservation of Biodiversity*, pp. 154–75. Island Press, Washington DC.
- Woodroffe, R. and Ginsburg, J. R. (2000) Ranging behaviour and vulnerability to extinction in carnivores. In L. M. Gosling and W. J. Sutherland (eds.), *Behaviour and Conservation*, p. 438. Cambridge University Press, Cambridge, UK.
- Woodroffe, R. and Ginsberg, J. R. (1998) Edge effects and the extinction of populations inside protected areas. *Science*, **280**, 2126–8.
- Woodroffe, R., Davies-Mostert, H., Ginsberg, J., et al. (2007) Rates and causes of mortality in endangered African wild dogs *Lycaon pictus*: lessons for management and monitoring. *Oryx*, **41**, 215–23.
- Woodroffe, R., Donnelly, C. A., Cox, D. R., et al. (2006) Effects of culling on badger *Meles meles* spatial organisation: implications for the control of bovine tuberculosis. *Journal of Applied Ecology*, **43**, 1–10.
- Woodroffe, R., Thirgood, S., and Rabinowitz, A. (2005) *People and Wildlife: Conflict or Co-existence*. Cambridge University Press, Cambridge, UK.
- Worah, S. (1991) *The ecology and management of a fragmented forest in south Gujarat, India: the Dang*s. PhD thesis dissertation, University of Pune, Pune, India.
- World Association of Zoos and Aquariums (2008) <www.waza.org>. Accessed online 23 Oct 2008.
- World Bank (2007) Key development data and statistics. <www.devdata.worldbank.org>. Accessed online 15 Sept 2008.
- World Resources Institute (2005) *World Resources 2005: The Wealth of the Poor—Managing Ecosystems to Fight Poverty*. United Nations Development Programme, United Nations Environment Programme, The World Bank, World Resources Institute. <www.wri.org/publication/world-resources-2005-wealth-poor-managing-ecosystems-fight-poverty>. Accessed online 10 May 2009.
- World Zoo Organization (2008) <www.wzo.org>. Accessed online 15 Sept 2008.
- Wozencraft, C. (2005) Order Carnivora. In D. E. Wilson and D. M. Reeder (eds.) *Mammal Species of the World*. Smithsonian Institution Press, Washington DC.
- Wozencraft, W. C. (1989) The phylogeny of the recent Carnivora. In J. L. Gittleman (ed.), *Carnivore Behaviour, Ecology and Evolution*, pp. 494–535. Chapman and Hall, London, UK.
- Wright, B. S. (1959) *The Ghost of North America*. Vantage, New York.
- Wright, M. and Walters, S. (1980) *The Book of the Cat*. Summit Books, New York.
- Wright, S. (1943) Isolation by distance. *Genetics*, **28**, 114–38.
- Wright, S. (1931) Evolution in Mendelian populations. *Genetics*, **16**, 97–159.
- Wroe, S., McHenry, C., and Thomason, J. (2005) Bite club: comparative bite force in big biting mammals and the

- prediction of predatory behaviour in fossil taxa. *Proceedings of the Royal Society London Series B*, **272**, 619–25.
- WWF (2006) Valdivian temperate rainforests. *Global 200 Ecoregions*. World Wildlife Fund. <[www.worldwildlife.org/wildw/Torld/profiles/terrestrial/nt/nt0404\\_full.html](http://www.worldwildlife.org/wildw/Torld/profiles/terrestrial/nt/nt0404_full.html)>. Accessed online 5 May 2009.
- WWF (2002) *Conserving Tigers in the Wild: A WWF Framework and Strategy for Action 2002–2010*. Species Programme, WWF International. Publication place: Gland, Switzerland.
- Wydeven, A. P., Treves, A., Brost, B., and Wiedenhoeft, J. E. (2004) Characteristics of wolf packs in Wisconsin: identification of traits influencing depredation. In N. Fascione, A. Delach, and M. E. Smith (eds.), *People and Predators: From Conflict to Coexistence*, pp. 28–50. Island Press, Washington DC.
- Yalden, D. W. (1982) When did the mammal fauna of the British Isles arrive? *Mammal Review*, **12**, 1–57.
- Yamada, T., Nagai, Y., and Matsuda, M. (1991) Changes in serum immunoglobulin values in kittens after ingestion of colostrum. *American Journal of Veterinary Research*, **52**, 393–6.
- Yamaguchi, N. and Haddane, B. (2002) The North African Barbary lion and the Atlas Lion Project. *International Zoo News*, **49**, 465–81.
- Yamaguchi, N., Cooper, A., Mills, M.G. L., Barnett, R. and Macdonald, D.W. (in prep) Revisiting ‘naturalness’ in conservation biology.
- Yamaguchi, N., Cooper, A., Werdelin, L., and Macdonald, D. W. (2004a) Evolution of the mane and group-living in the lion (*Panthera leo*): a review. *Journal of Zoology*, **263**, 329–42.
- Yamaguchi, N., Driscoll, C. A., Kitchener, A. C., Ward, J. M., and Macdonald, D. W. (2004b) Craniological differentiation between European wildcats (*Felis silvestris silvestris*), African wildcats (*F. s. lybica*) and Asian wildcats (*F. s. ornata*): implications for their evolution and conservation. *Biological Journal of the Linnean Society*, **83**, 47–63.
- Yamaguchi, N., Kitchener, A. C., Ward, J. M., Driscoll, C. A., and Macdonald, D. W. (2004c) Craniological differentiation amongst wild living cats (*Felis silvestris*) in Britain and southern Africa; natural variation or the effects of hybridization? *Animal Conservation*, **7**, 339–51.
- Yamamoto, K., Chomel, B. B., Lowenstine, L. J., et al. (1998) *Bartonella henselae* antibody prevalence in free-ranging and captive wild felids from California. *Journal of Wildlife Diseases*, **34**, 56–63.
- Yamamoto, J. K., Sparger, E., Ho, E. W., et al. (1988) Pathogenesis of experimentally induced feline immunodeficiency virus infection in cats. *American Journal of Veterinary Research*, **49**, 1246–58.
- Yamazaki, K. (1996) Social variation of lions in a male depopulated area in Zambia. *Journal of Wildlife Management*, **60**, 490–7.
- Yamazaki, K. and Bwalya, T. (1999) Fatal lion attacks on local people in the Luangwa Valley, Eastern Zambia. *South African Journal of Wildlife Research*, **29**, 19–21.
- Yañéz, J., Cardenas, J., Gezelle, P., and Jaksic, F. (1986) Food habits of the southernmost mountain lions (*Felis concolor*) in South America: natural versus livestocked range. *Journal of Mammalogy*, **67**, 604–6.
- Yasuda, M., Matsubayashi, H., Rustam, Numata, S., Sukor, J. R. A., and Abu Bakar, S. (2007) Recent records by camera traps in Peninsular Malaysia and Borneo. *Cat News*, **47**, 14–16.
- Yensen, E. and Seymour, K. L. (2000) *Oreailurus jacobita*. *Mammalian Species*, **644**, 1–6.
- Young, E. (1975) Some important parasitic and other diseases of lion *Panthera leo* in the Kruger National Park Kenya. *Journal of the South African Veterinary Association*, **46**, 181–3.
- Young, E., Zumpt, F., and Whyte, I. J. (1972a) *Notoedres cati* infestation of the cheetah: preliminary report. *Journal of the South African Veterinary Association*, **43**, 205.
- Young, E., Zumpt, F., and Whyte, I. J. (1972b) Sarcoptid mange in free-living lions. *Journal of South African Veterinary Medical Association*, **43**, 226.
- Young, S. P. (1978) *The Bobcat of North America*. University of Nebraska Press, Lincoln, NE.
- Young, S. P. and Goldman, E. A. (1946) *The Puma, Mysterious American Cat. Part I. History, Life Habits, Economic Status, and Control*. The American Wildlife Institute, Washington DC.
- Yu, J. P. and Dobson, F. S. (2000) Seven forms of rarity in mammals. *Journal of Biogeography*, **27**, 131–9.
- Yu, X. (2005) A survey of Amur tigers and Far Eastern leopards in eastern Heilongjiang Province, China 1999. In *Recovery of the Wild Amur tiger Population in China: Progress and Prospect: Proceedings of the 2000 International Workshop on Wild Amur Tiger Population Recovery Action Plan, Harbin, China and the 2002 National Workshop on Progress of Wild Amur Tiger Population Recovery Action, Hunchun, China.*, pp. 164–70. China Forestry Publishing House, Beijing, China.
- Yudakov, A. G. and Nikolaev, I. G. (1987) *Ecology of the Amur Tiger: Winter Long-Term Observations in the Western Part of the Middle Sikhote-Alin in 1970–1973*. Nauka, Moscow, Russia.
- Yudakov, A. G. and Nikolaev, I. G. (1977) Snow as an ecological factor in the life of the Amur tiger. In *Redkie vidy mlekopitaiuschikh i ikh okhrana. Materialy 2 vsesoiuznogo soveschania*, pp. 133–4. Nauka, Moscow, Russia.
- Yuhki, N. and O'Brien, S. J. (1997) Nature and origin of polymorphism in feline MHC Class II DRA and DRB genes. *Journal of Immunology*, **158**, 2822–33.
- Yuhki, N. and O'Brien, S. J. (1990a) DNA recombination and natural selection pressure sustain genetic sequence diversity of the feline MHC Class I genes. *Journal of Experimental Medicine*, **172**, 621–30.
- Yuhki, N. and O'Brien, S. J. (1990b) DNA variation of the mammalian major histocompatibility complex reflects genomic diversity and population history. *Proceedings of*

- the National Academy of Sciences of the United States of America*, **87**, 836–40.
- Yuhki, N. and O'Brien, S. J. (1988) Molecular characterization and genetic mapping of class I and class II MHC genes of the domestic cat. *Immunogenetics*, **27**, 414–25.
- Yuhki, N., Heidecker, G. F., O'Brien, S. J. (1989) Characterization of MHC cDNA clones in the domestic cat. Diversity and evolution of class I genes. *Journal of Immunology*, **142**, 3676–82.
- Zabel, A. and Holm-Müller, K. (2008) Conservation performance payments for carnivore conservation in Sweden. *Conservation Biology*, **22**, 247–51.
- Zapata, S. C., Travaini, A., Ferreras, P., and Delibes, M. (2007) Analysis of trophic structure of two carnivore assemblages by means of guild identification. *European Journal of Wildlife Research*, **53**, 276–86.
- Zar, J. H. (1999) *Biostatistical Analysis*, 4th edn. Prentice Hall, Upper Saddle River, NJ.
- Zaumyslova, O. Y. (2000) Long-term population dynamics of ungulates in Sikhote-Alin Zapovednik based on winter route surveys. In A. A. Astafiev (ed.), *Analysis of Long-Term Observations of Natural Components of Far East Zapovedniks*, pp. 70–9. DalNauka, Vladivostok, Russia.
- Zdansky, O. (1924) Jungtertiäre Carnivoren Chinas. *Palaentologia Sinica Series C*, **2**, 1–149.
- Zeller, K. (2007) *Jaguars in the New Millennium Data Set Update: The State of the Jaguar in 2006*. Wildlife Conservation Society, New York.
- Zeuner, F. E. (1963) *A History of Domesticated Animals*. Hutchinson, London, UK.
- Zezulak, D. S. (1981) Northeastern California bobcat study. *Federal Aid for Wildlife Restoration Project. W-54-R-12, Job IV-3*. California Department of Fish and Game, Sacramento, CA.
- Zimmermann, A. and Macdonald, D. W. (in prep) An expert-based analysis of human-jaguar conflicts across the species' range.
- Zimmermann, A. and Wilson, S. (in prep) A spatial model of human-jaguar conflicts in Latin America.
- Zimmermann, A., Baker, N., Linnell, J. D. C., *et al.* (in press) Contemporary views of human-carnivore conflicts on wild rangelands. In J. G. Du Toit, R. Kock, and J. Deutsch (eds.), *Can Rangelands be Wildlands? Wildlife and Livestock in Semi-Arid Ecosystems*. Blackwells, Oxford, UK.
- Zimmermann, A., Walpole, M. J., and Leader-Williams, N. (2005a) Cattle ranchers' attitude to conflicts with jaguar (*Panthera onca*) in the Pantanal of Brazil. *Oryx*, **39**, 406–12.
- Zimmermann, F., Breitenmoser-Würsten, C., and Breitenmoser, U. (2005b) Natal dispersal of Eurasian lynx (*Lynx lynx*) in Switzerland. *Journal of Zoology*, **267**, 381–95.
- Zimmermann, F., Weber, J.-M., Molinari-Jobin, A., *et al.* (2005c) Monitoring Bericht Raubtiere Schweiz 2004. *KORA Bericht*, **29**, 1–58.
- Zumpt, F. and Ledger, J. A. (1973) Present epidemiological problems of a sarcoptic mange in wild and domestic animals. *Journal of the Southern African Wildlife Management Association*, **3**, 119–20.