

PUBLICATIONS

Books:

Red Deer: Behavior and Ecology of Two Sexes (with F.E. Guinness and S.D. Albon)
(Chicago, 1982).

Red Deer in the Highlands (with S.D. Albon) (Blackwells, 1989).

The Evolution of Parental Care (Princeton, 1991).

In addition, I have edited or helped to edit:

Primate Ecology (Academic Press, 1977).

Readings in Sociobiology (with P.H. Harvey) (Freeman, 1975).

Current Problems in Sociobiology (with members of the King's College Sociobiology
Group) (Cambridge University Press, 1982).

Reproductive Success: Studies of Individual Variation in Contrasting Breeding Systems
(University of Chicago Press, 1988).

Rhum, the Natural History of an Island (with M.E. Ball) (University of Edinburgh Press,
1987).

Population growth rate: determining factors and role in population regulation (with R.
Sibly and J. Hone) (Blackwell Scientific Publications, Oxford, 2002).

Wildlife Population Growth Rates (with R.M. Sibly and J. Hone) (The Royal Society/
Cambridge University Press, 2003).

Soay Sheep: Dynamics and Selection in an Island Population (with J.M. Pemberton)
(Cambridge University Press, 2004).

Meerkat Manor 'Flower of the Kalahari' (Weidenfeld and Nicolson 2007)

Papers:

1. Uys, J.M.C. and Clutton-Brock, T.H. 1966. The breeding of the rufous bellied heron (*Butorides rufiventris*) in Zambia. Puku 4: 171-180.

2. Clutton-Brock, T.H. 1972. Feeding and ranging behaviour of the red colobus monkey. Ph.D. thesis, University of Cambridge.

1973

3. Clutton-Brock, T.H. 1973. Feeding levels and feeding sites of red colobus (*Colobus badius tephrosceles*) in the Gombe National Park. Folia primatol. 19: 368-379.

1974

4. Clutton-Brock, T.H. 1974a. Why do animals live in groups? New Scientist, 11 July 1974: 72-74.

5. Clutton-Brock, T.H. 1974b. Primate social organisation and ecology. Nature 250: 539-542.

6. Clutton-Brock, T.H. 1974c. Activity patterns of red colobus (*Colobus badius tephrosceles*). Folia primatol. 21: 161-187.

1975

7. Clutton-Brock, T.H. 1975a. Feeding behaviour of red colobus and black and white colobus in East Africa. Folia primatol. 23: 165-207.

8. Clutton-Brock, T.H. 1975b. Ranging behaviour of red colobus (*Colobus badius tephrosceles*) in the Gombe National Park. Anim. Behav. 23: 706-722.

9. Clutton-Brock, T.H. and Guinness, F.E. 1975. Behaviour of red deer (*Cervus elaphus* L.) at calving time. Behaviour 55: 287-300.

10. Clutton-Brock, T.H. and Harvey, P.H. 1978a. *Readings in Sociobiology*. Freemans, Reading and New York.

1976

11. Clutton-Brock, T.H. and Harvey, P.H. 1976. Evolutionary rules and primate societies. In *Growing Points in Ethology* (Eds P. P. G. Bateson, R. A. Hinde) pp.195-237. Cambridge: University Press.

12. Clutton-Brock, T.H., Greenwood, P.H. and Powell, R.P. 1976. Ranks and relationships in Highland ponies and Highland cows. Zeitschrift für Tierpsychologie 41: 202-216.

1977

13. Clutton-Brock, T.H. (ed) 1977. *Primate Ecology: Studies of Feeding and Ranging Behaviour in Lemurs, Monkeys and Apes*. Academic Press, London.
14. Clutton-Brock, T.H. 1977. Some aspects of intraspecific variation in feeding and ranging behaviour in primates. pp. 539-556 in above.
15. Clutton-Brock, T.H. 1977. Appendix: Methodology and measurement. pp. 585-590 in above.
16. Clutton-Brock, T.H. and Harvey, P.H. 1977a. Species differences in feeding and ranging behaviour in primates. pp. 556-584 in above.
17. Clutton-Brock, T.H. and Harvey, P.H. 1977b. Primate ecology and social organisation. *J. Zool., Lond.* 183: 1-39.
18. Clutton-Brock, T.H., Harvey, P.H. and Rudder, B. 1977c. Sexual dimorphism, sociometric sex ratio and body weight in primates. *Nature* 269: 797-800.

1978

19. Clutton-Brock, T.H. and Harvey, P.H. 1978b. Species differences in feeding and ranging behaviour in primates: an abstract. In: *Recent Advances in Primatology* Vol. 1 *Behaviour* (ed. D.J. Chivers and J. Herbert), pp. 399-406. Academic Press, London.
20. Clutton-Brock, T.H. and Harvey, P.H. 1978c. Mammals, resources and reproductive strategies. *Nature* 273: 191-195.
21. Guinness, F.E., Gibson, R.M. and Clutton-Brock, T.H. 1978. Calving times of red deer (*Cervus elaphus* L.) on Rhum. *J. Zool.* 185: 105-114.
22. Guinness, F.E., Albon, S.D. and Clutton-Brock, T.H. 1978. Factors affecting reproduction in red deer (*Cervus elaphus*) hinds on Rhum. *J. Reprod. Fert.* 54: 325-334.
23. Guinness, F.E., Clutton-Brock, T.H. and Albon, S.D. 1978. Factors affecting calf mortality in red deer. *J. Anim. Ecol.* 47: 817-832.
24. Harvey, P.H., Kavanagh, M. and Clutton-Brock, T.H. 1978a. Sexual dimorphism in primate teeth. *J. Zool., Lond.* 186: 475-485.
25. Harvey, P.H., Kavanagh, M. and Clutton-Brock, T.H. 1978b. Canine tooth size in female primates. *Nature* 276: 817-818.

1979

26. Clutton-Brock, T.H. and Albon, S.D. 1979. The roaring of red deer and the evolution of honest advertisement. *Behaviour* 69: 145-170.
27. Clutton-Brock, T.H., Albon, S.D., Gibson, R.M. and Guinness, F.E. 1979. The logical stag: adaptive aspects of fighting in red deer (*Cervus elaphus* L.). *Anim. Behav.* 27: 211-225.
28. Clutton-Brock, T.H. and Gillet, J. 1979. A survey of forest composition in the Gombe National Park, Tanzania. *Afr. J. Ecol.* 18: 131-158.
29. Clutton-Brock, T.H. and Harvey, P.H. 1979. Home range size, population density and phylogeny in primates. In: *Primate Ecology and Human Origins* (eds. I. Bernstein and E.O. Smith), pp. 201-214. Garland, New York.
30. Clutton-Brock, T.H. and Harvey, P.H. 1979. Comparison and adaptation. *Proc. Roy. Soc. B.* 205: 547-565.
- 1980**
31. Clutton-Brock, T.H. and Harvey, P.H. 1980. Primates, brains and ecology. *J. Zool., Lond.* 190: 309-323.
32. Clutton-Brock, T.H., Albon, S.D. and Harvey, P.H. 1980. Antlers, body size and breeding group size in the Cervidae. *Nature* 285: 565-567.
33. Harvey, P.H., Clutton-Brock, T.H. and Mace, G.M. 1980. Brain size and ecology in small mammals and primates. *Proc. Natl. Acad. Sci.* 77: 4387-4389.
34. Mace, G.M., Harvey, P.H. and Clutton-Brock, T.H. 1980. Is brain size an ecological variable? *Trends in Neuro-Sciences*, August 1980: 193-196.
- 1981**
35. Clutton-Brock, T.H., Albon, S.D. and Guinness, F.E. 1981. Parental investment in male and female offspring in polygynous mammals. *Nature* 289: 487-489.
36. Mace, G.M., Harvey, P.H. and Clutton-Brock, T.H. 1981. Brain size and ecology in small mammals. *J. Zool., Lond.* 193: 333-354.
37. Harvey, P.H. and Clutton-Brock, T.H. 1981. Primate home-range size and metabolic needs. *Behav. Ecol. Sociobiol.* 8: 151-155.
- 1982**
38. Clutton-Brock, T.H. and Albon, S.D. 1982. Parental investment in male and female offspring in mammals. in: *Current Problems in Sociobiology* (ed. King's College Sociobiology Group), pp. 223-247. Cambridge University Press.

39. King's College Sociobiology Group. 1982. *Current Problems in Sociobiology*, joint editor. Cambridge University Press.
40. Clutton-Brock, T.H., Guinness, F.E. and Albon, S.D. 1982. *Red Deer: the Behavior and Ecology of Two Sexes*. University of Chicago Press.
41. Clutton-Brock, T.H. 1982. The functions of antlers. *Behaviour* 79: 108-125.
42. Clutton-Brock, T.H., Iason, G.R., Albon, S.D. and Guinness, F.E. 1982. Effects of lactation on feeding behaviour and habitat use in wild red deer hinds. *J. Zool., Lond.* 198: 227-236.
43. Clutton-Brock, T.H. and Albon, S.D. 1982. Winter mortality in red deer (*Cervus elaphus*). *J. Zool., Lond.* 198: 515-519.
44. Clutton-Brock, T.H., Albon, S.D. and Guinness, F.E. 1982. Competition between female relatives in a matrilineal mammal. *Nature* 300: 178-180.
45. Clutton-Brock, T.H. 1982. Sons and daughters. *Nature* 298: 11-13.
46. Clutton-Brock, T.H. 1982. The red deer of Rhum. *Natural History* 91: 42-48.

1983

47. Clutton-Brock, T.H. and Harvey, P.H. 1983. The functional significance of variation in body size among mammals. In: *Advances in the Study of Mammalian Behavior* (eds. J.F. Eisenberg and D.G. Kleiman), pp. 632-663. Special Publication No. 7, The American Society of Mammalogists.
48. Clutton-Brock, T.H. and Albon, S.D. 1983. Climatic variation and body weight of red deer. *J. Wildl. Mgmt.* 47: 1197-1201.
49. Clutton-Brock, T.H., Guinness, F.E. and Albon, S.D. 1983. The costs of reproduction to red deer hinds. *J. Anim. Ecol.* 52: 367-383.
50. Mace, G.M., Harvey, P.H. and Clutton-Brock, T.H. 1983. Vertebrate home range size and energetic requirements. In: *The Ecology of Animal Movement* (eds. I.R. Swingland and P.J. Greenwood), pp. 32-53. Oxford University Press.
51. Albon, S.D., Guinness, F.E. and Clutton-Brock, T.H. 1983. The influence of climatic variation on the birth weights of red deer (*Cervus elaphus*). *J. Zool.* 200: 295-298.
52. Clutton-Brock, T.H. 1983. Selection in relation to sex. In: *Evolution from Molecules to Men* (ed. B.J. Bendall), pp. 457-481. Cambridge University Press.

53. Clutton-Brock, T.H. 1983. Red velvet and venison. *Nature* 303: 754.
54. Clutton-Brock, T.H. 1983. Why study large animals? *New Scientist* 120 October 1983: 193-196.
- 1984**
55. Clutton-Brock, T.H. 1984. Reproductive effort and terminal investment in iteroparous animals. *Am. Nat.* 123: 212-229.
56. Clutton-Brock, T.H., Albon, S.D. and Guinness, F.E. 1984. Maternal dominance, breeding success and birth sex ratios in red deer. *Nature* 308: 358-360.
57. Clutton-Brock, T.H., Guinness, F.E. and Albon, S.D. 1984. Individuals and populations: the effects of social behaviour on population dynamics in deer. *Proc. Roy. Soc. Edinburgh*, 83B: 275-290.
58. Clutton-Brock, T.H. and Harvey, P.H. 1984. Comparative approaches to investigating adaptation. In: *Behavioural Ecology* (eds. J.R. Krebs and N.B. Davies), 2nd Edition, pp. 7-29. Blackwell Scientific Publications, Oxford.
- 1985**
59. Clutton-Brock, T.H. 1985. Reproductive success in red deer. *Scientific American* 252: 86-92.
60. Clutton-Brock, T.H. 1985. Birth sex ratios and the reproductive success of sons and daughters. In *Evolution: Essays in Honour of John Maynard Smith* (eds. J.J. Greenwood and M. Slatkin), pp. 221-235. Cambridge University Press.
61. Clutton-Brock, T.H. and Albon, S.D. 1985. Competition and population regulation in social mammals. In: *Behavioural Ecology* (eds. R.M. Sibley and R.H. Smith), pp. 557-576. Blackwell Scientific Publications, Oxford.
62. Clutton-Brock, T.H., Albon, S.D. and Guinness, F.E. 1985. Parental investment and sex differences in juvenile mortality in birds and mammals. *Nature* 313: 131-133.
63. Clutton-Brock, T.H., Major, M. and Guinness, F.E. 1985. Population regulation in male and female red deer. *J. Animal Ecology* 54: 831-846.
64. Clutton-Brock, T.H. and Albon, S.D. 1985. Reproductive success in wild red deer. *Roy. Soc. New Zealand Bull.* 22: 205-212.
65. Clutton-Brock, T.H. 1985. Size, sexual dimorphism and polygyny in primates. In *Size and Scaling in Primate Biology* (ed. W.L. Jungers), pp. 51-59. Plenum Press, New York.

66. Harvey, P.H. and Clutton-Brock, T.H. 1985. Life history variation in primates. *Evolution* 39: 559-581.

1986

67. Clutton-Brock, T.H., Albon, S.D. and Guinness, F.E. 1986. Great expectations: dominance, breeding success and off-spring sex ratios in red deer. *Animal Behaviour* 34: 460-471.

68. Clutton-Brock, T.H. 1986. Sex ratio variation in birds. *Ibis* 128: 317-329.

69. Clutton-Brock, T.H. and Iason, G. 1986. Sex ratio variation in mammals. *Q. Rev. Biol.* 61: 339-374.

70. Iason, G., Duck, C. and Clutton-Brock, T.H. 1986. Grazing and reproductive success in red deer: the effect of local enrichment by gull colonies. *J. Anim. Ecol.* 55: 507-515.

1987

71. Clutton-Brock, T.H. and Ball, M.E. (eds.) 1987. *Rhum, the Natural History of an Island*. Edinburgh University Press.

72. Clutton-Brock, T.H. and Guinness, F.E. 1987. Red deer. In *Rhum, the Natural History of an Island* (eds. T.H. Clutton-Brock and M.E. Ball). Edinburgh University Press.

73. Clutton-Brock, T.H. 1987. Sexual selection in the Cervidae. In *Biology and Management of the Cervidae* (ed. C. Wemmer), pp. 110-122. Smithsonian Publication.

74. Clutton-Brock, T.H., Major, M., Albon, S.D. and Guinness, F.E. 1987. Early development and population dynamics in red deer. I. Density-dependent effects on juvenile survival. *J. Anim. Ecol.* 56: 53-67.

75. Albon, S.D., Clutton-Brock, T.H. and Guinness, F.E. 1987. Early development and population dynamics in red deer. II. Density-independent effects and cohort variation. *J. Anim. Ecol.* 56: 69-81.

76. Clutton-Brock, T.H., Iason, G.R. and Guinness, F.E. 1987. Sexual segregation and density related changes in habitat use in male and female red deer (*Cervus elaphus*). *J. Zool., Lond.* 211: 275-289.

77. Clutton-Brock, T.H., Albon, S.D. and Guinness, F.E. 1987. Interactions between population density and maternal characteristics affecting fecundity and juvenile survival in red deer. *J. Anim. Ecol.* 56: 857-871.

78. Harvey, P.H., Martin, R.D. and Clutton-Brock, T.H. (1987) Life histories in comparative perspective. In: *Primate Societies* (eds B. Smuts et al.) pp. 181-196. University of Chicago Press

1988

79. Clutton-Brock, T.H. (ed.) 1988. *Reproductive Success: Studies of Individual Variation in Contrasting Breeding Systems*. University of Chicago Press.
80. Clutton-Brock, T.H. 1988. Reproductive success. In *Reproductive Success* (ed. T.H. Clutton-Brock), pp. 472-486. University of Chicago Press.
81. Clutton-Brock, T.H., Albon, S.D. and Guinness, F.E. 1988. Reproductive success in male and female red deer. In *Reproductive Success* (ed. T.H. Clutton-Brock), pp. 325-343. University of Chicago Press.
82. Pemberton, J.M., Albon, S.D., Guinness, F.E., Clutton-Brock, T.H. and Berry, R.J. 1988. Genetic variation and juvenile survival in red deer. *Evolution* 42: 921-934.
83. Albon, S.D. and Clutton-Brock, T.H. 1988. Climate and the population dynamics of red deer in Scotland. In *Ecological Change in the Uplands* (ed. M.B. Usher and D.B.A. Thompson), pp. 93-107. Blackwell Scientific Publications, Oxford.
84. Clutton-Brock, T.H., Green, D., Hiraiwa-Hasegawa, M. and Albon, S.D. 1988. Passing the buck: resource defence, lek breeding and mate choice in fallow deer. *Behav. Ecol. Sociobiol.* 23: 281-296.

1989

85. Clutton-Brock, T.H. (1989) Female transfer and inbreeding avoidance in social mammals. *Nature* 337: 70-72.
86. Clutton-Brock, T.H., Albon, S.D. and Guinness, F.E. 1989. Fitness costs of gestation and lactation in wild mammals. *Nature* 337: 260-262.
87. Clutton-Brock, T.H. 1989. Mammalian mating systems. *Proc. Roy. Soc. B.* 236: 339-372.
88. Clutton-Brock, T.H., Hiraiwa-Hasegawa, M. and Robertson, A. 1989. Mate choice on fallow deer leks. *Nature* 340: 463-465.
89. Clutton-Brock, T.H. and Albon, S.D. 1989. *Red Deer in the Highlands*. Blackwell Scientific Publications, Oxford.

1990

90. Scott, D.K. and Clutton-Brock, T.H. 1990. Mating systems, parasites and plumage dimorphism in waterfowl. *Behav. Ecol. Sociobiol.* 26: 261-273.

91. Gomendio, M., Clutton-Brock, T.H., Albon, S.D., Guinness, F.E. and Simpson, M.J. 1990. Mammalian sex ratios and variation in costs of rearing sons and daughters. *Nature* 343: 261-263.

1991

92. Clutton-Brock, T.H. 1991. *The Evolution of Parental Care*. Princeton University Press.

93. Clutton-Brock, T.H. 1991. The evolution of sex differences and the consequences of polygyny in mammals. In *The Development and Integration of Behaviour: Essays in Honour of Robert Hinde* (ed. Patrick Bateson), pp. 229-253. Cambridge University Press.

94. Pemberton, J.M., Albon, S.D., Guinness, F.E. and Clutton-Brock, T.H. 1991. Countervailing selection in different fitness components in female red deer. *Evolution* 45: 93-103.

95. Clutton-Brock, T.H., Price, O.F., Albon, S.D. and Jewell, P.A. 1991. Persistent instability and population regulation in Soay sheep. *J. Anim. Ecol.* 60: 593-608.

96. Clutton-Brock, T.H. and Vincent, A.C.J. 1991. Sexual selection and the potential reproductive rates of males and females. *Nature* 351: 58-60.

97. Clutton-Brock, T.H. and Godfray, C. 1991. Parental investment. In *Behavioural Ecology* (eds. J.R. Krebs and N.B. Davies), Third Edition, pp. 234-262. Blackwell Scientific Publications, Oxford.

98. Albon, S.D., Clutton-Brock, T.H. and Langvatn, R. 1991. Cohort variation in reproduction and survival: implications for population demography. In *The Biology of Deer* (ed. R.D. Brown) pp. 15-21. 2nd Int. Symp., Mississippi, 1990. Springer-Verlag.

99. Clutton-Brock, T.H. 1991. Sport and wise use of ungulate populations. *Gibier Faune Sauvage* 8: 309-317.

100. Clutton-Brock, T.H. 1991. Lifetime data and the measurement of selection. *Evolution.* 45: 454-454.

1992

101. Albon, S.D., Staines, H.J., Guinness, F.E. and Clutton-Brock, T.H. 1992. Density-dependent changes in spacing behaviour of female kin in red deer. *J. Anim. Ecol.* 61: 131-137.

102. Pemberton, J.M., Albon, S.D., Guinness, F.E., Clutton-Brock, T.H. and Dover, G.A. 1992. Behavioural estimates of male mating success tested by DNA fingerprinting in a polygynous mammal. *Behav. Ecol.* 3: 66-75.
103. Grenfell, B.T., Price, O.F., Albon, S.D. and Clutton-Brock, T.H. 1992. Overcompensation and population cycles in an ungulate. *Nature* 355: 823-826.
104. Robertson, A., Hiraiwa-Hasegawa, M., Albon, S.D. and Clutton-Brock, T.H. 1992. Early development of Soay sheep in a fluctuating population. *J. Zool., Lond.* 227: 661-671.
105. Clutton-Brock, T.H., Price, O.F., Albon, S.D. and Jewell, P.A. 1992. Early development and population fluctuations in Soay sheep. *J. Anim. Ecol.* 61: 381-396
106. Clutton-Brock, T.H., Price, O. and MacColl, A. 1992. Mate retention, harassment and the evolution of ungulate leks. *Behav. Ecol.* 3: 234-242.
107. Clutton-Brock, T.H. and Albon, S.D. 1992. Trial and error in the Highlands. *Nature* 358: 11-12.
108. Ayres, J.M. and Clutton-Brock, T.H. 1992. River boundaries and species range size in Amazonian Primates. *Am. Nat.* 140: 531-537.
109. Clutton-Brock, T.H. and Parker, G.A. 1992. Potential reproductive rates and the operation of sexual selection. *Q. Rev. Biol.* 67: 437-456.
- 1993**
110. Stillman, R.A., Clutton-Brock, T.H. and Sutherland, W.J. 1993. Black holes, mate retention and the evolution of ungulate leks. *Behav. Ecol.* 4: 1-6.
111. Clutton-Brock, T.H. and McComb, K. 1993. Experimental tests of copying and mate choice in fallow deer (*Dama dama*). *Behav. Ecol.* 4: 191-193.
112. Clutton-Brock, T.H., Deutsch, J.C. and Nefdt, R.J.C. 1993. The evolution of ungulate leks. *Anim. Behav.* 46: 1121-1138.
113. Gulland, F.M.D., Albon, S.D., Pemberton, J.M., Moorcroft, P.R. and Clutton-Brock, T.H. 1993. Parasite-associated polymorphism in a cyclic ungulate population. *Proc. Roy. Soc. B.* 254: 7-13.
114. Balmford, A., Deutsch, J.C., Nefdt, R.J.C. and Clutton-Brock, T.H. 1993. Testing hotspot models of lek evolution: data from three species of ungulates. *Behav. Ecol. Sociobiol.* 33: 57-65.

115. Clutton-Brock, T.H. Primate Rules OK. Citation Classic In *Current Contents* No.26, 28 June, 1993. p.8.

116. Clutton-Brock, T.H. The Ecology of Two Sexes. Citation Classic In *Current Contents*_No.28, 12 July, 1993. p.8.

1994

117. McComb, K. and Clutton-Brock, T.H. 1994. Is mate choice copying or aggregation responsible for skewed distributions of females on leks? *Proc. Roy. Soc. Lond. B.* 255: 13-19.

118. Clutton-Brock, T.H. and Lonergan, M. 1994. Culling regimes and sex ratio biases in Highland red deer. *J. Appl. Ecol.* 31: 521-527.

119. Clutton-Brock, T.H. 1994. Counting Sheep. *Natural History.* 103: 29-35

120. Marks, A., Deutsch, J.C. and Clutton-Brock, T.H. 1994. Stochastic influences, female copying and the intensity of sexual selection on leks. *J.theor.Biol.* 170: 159-162.

121. Clutton-Brock, T.H. 1994. The costs of sex. In *The Differences Between the Sexes.* (eds. R.V.Short and E.Balaban) pp.347-362. Cambridge University Press.

1995

122. Clutton-Brock, T.H. and Parker, G.A. 1995a. Punishment in animal societies. *Nature* 373: 209-216.

123. Clutton-Brock, T.H. and Parker, G.A. 1995b. Sexual coercion, harassment and intimidation in animal societies. *Animal Behaviour* 49: 1345-1365.

124. Illius, A.W., Albon, S.D., Pemberton, J.M., Gordon, I.J. and Clutton-Brock, T.H. 1995. Selection for foraging efficiency during a population crash in Soay sheep. *Journal of Animal Ecology* 64: 481-492.

125. Benton, T.G., Grant, A. and Clutton-Brock, T.H. 1995. Does environmental stochasticity matter? Analysis of red deer life-histories on Rum. *Evolutionary Ecology* 9: 559-574.

126. Bancroft, D.R., Pemberton, J.M., Albon, S.D., Robertson, A., MacColl, A.D.C., Smith, J.A., Stevenson, I.R. and Clutton-Brock, T.H. 1995. Molecular genetic variation and individual survival during population crashes of an unmanaged ungulate population. *Philosophical Transactions of the Royal Society. B* 347: 263-273.

1996

127. Moorcroft, P.R., Albon, S.D., Pemberton, J.M., Stevenson, I.R. and Clutton-Brock. 1996. Density-dependent selection in a fluctuating ungulate population. *Proceedings of the Royal Society of London, B* 263: 31-38.
128. Marrow, P., McNamara, J.M., Houston, A.I., Stevenson, I.R. and Clutton-Brock, T.H. 1996. State-dependent life history evolution in Soay sheep: dynamic modelling of reproductive scheduling. *Philosophical Transactions of the Royal Society. Series B* 351: 17-32.
129. Langvatn, R., Albon, S.D., Burkey, T. and Clutton-Brock, T.H. 1996. Climate, plant phenology and variation in age of first reproduction in a temperate herbivore. *Journal of Animal Ecology* 65: 653-670.
130. Clutton-Brock, T.H., Stevenson, I.R., Marrow, P., MacColl, A.D., Houston, A.I. and McNamara, J.M. 1996. Population fluctuations and life-history tactics in Soay sheep. *Journal of Animal Ecology* 65: 675-689.
131. Pemberton, J.M., Smith, J.A., Coulson, T.N., Marshall, T.C., Slate, J., Paterson, S., Albon, S.D. and Clutton-Brock, T.H. 1996. The maintenance of genetic polymorphism in small island populations: large mammals in the Hebrides. *Philosophical Transactions of the Royal Society. Series B* 351: 745-752.
132. Stillman, R.A., Deutsch, J.C., Clutton-Brock, T.H. and Sutherland, W.J. 1996. Black hole models of ungulate lek size and distribution. *Animal Behaviour* 52: 891-902.
133. Clutton-Brock, T.H., McComb, K.E. and Deutsch, J.C. 1996. Multiple factors affect the distribution of females in lek-breeding ungulates: a rejoinder to Carbone and Taborsky. *Behavioral Ecology* 7: 373-378.

1997

134. Clutton-Brock, T.H., Illius, A., Wilson, K., Grenfell, B.T., MacColl, A. and Albon, S.D. 1997. Stability and instability in ungulate populations: an empirical analysis. *American Naturalist* 149: 195-219.
135. Clutton-Brock, T.H., Wilson, K. and Stevenson, I.R. 1997. Density-dependent selection on horn phenotype in Soay sheep. *Philosophical Transactions of the Royal Society. Series B* 352: 839-850.
136. Clutton-Brock, T.H. and Langley P.A. 1997. Persistent courtship reduces male and female longevity in captive tsetse flies *Glossina morsitans morsitans* Westwood (Diptera: Glossinidae). *Behavioral Ecology* 8:392-395.

137. Coulson, T., Albon, S.D., Guinness, F., Pemberton, J. and Clutton-Brock, T.H. 1997. Population substructure, local density and calf winter survival in red deer (*Cervus elaphus*). *Ecology* 78: 852-863.
138. Clutton-Brock, T.H., Rose, K.E. and Guinness, F.E. 1997. Density-related changes in sexual selection in red deer. *Proceedings of the Royal Society of London, B.* 264: 1509-1516.
139. Albon, S.D., Coulson, T.N. and Clutton-Brock, T.H. 1997. Demographic constraints in red deer: can the past predict the future? *In Recent Developments in Deer Biology* (ed. J.A. Milne) *Proceedings of the Third International Congress on the Biology of Deer.*

1998

140. Clutton-Brock, T.H., Gaynor, D., Kansky, R., MacColl, A.D.C., McIlrath, G., Chadwick, P., Brotherton, P.N.M., O'Riain, J.M., Manser, M. and Skinner, J.D. 1998a. Costs of cooperative behaviour in suricates (*Suricata suricatta*). *Proceedings of the Royal Society of London, B.* 265: 185-190.
141. Coulson, T.N., Pemberton, J.M., Albon, S.D., Beaumont, M.A., Marshall, T.C., Slate, J., Guinness, F.E. and Clutton-Brock, T.H. 1998. Microsatellites reveal heterosis in red deer. *Proceedings of the Royal Society of London, B.* 265: 489-495.
142. Clutton-Brock, T.H. 1998. Reproductive skew, concessions and limited control. *Trends in Ecology and Evolution* 13: 288-292.
143. Clutton-Brock, T.H. 1998. Reproductive skew: disentangling concessions from control: a reply to Emlen and Reeve. *Trends in Ecology and Evolution* 13: 459
144. Grenfell, B.T., Wilson, K., Finkenstadt, B.F., Coulson, T.N., Murray, S., Albon, S.D., Pemberton, J.M., Clutton-Brock, T.H. and Crawley, M. 1998. Noise and determinism in synchronised sheep dynamics. *Nature* 394: 674-677.
145. Krebs, J.R., Anderson, R.M., Clutton-Brock, T.H., Donnelly, C.A., Frost, S., Morrison, W.I., Woodroffe, R. and Young, D. 1998. Badgers and bovine TB: conflicts between conservation and health. *Science* 279: 817-818.
146. Coulson, T.N., Albon, S.D., Pemberton, J.M., Slate, J., Guinness, F.E. and Clutton-Brock, T.H. 1998. Genotype by environment interactions in winter survival in red deer. *Journal of Animal Ecology* 67: 434-445
147. Clutton-Brock, T.H., Brotherton, P.N.M., Smith, R., McIlrath, G.M., Kansky, R., Gaynor, D., O'Riain, J.M. and Skinner, J.D. 1998b. Infanticide and

expulsion of females in a cooperative mammal. *Proceedings of the Royal Society of London, B.* 265: 2291-2295.

148. Rose, K.E, Clutton-Brock, T.H. and Guinness, F.E. 1998. Cohort variation in male survival and life-time mating success in red deer. *Journal of Animal Ecology* 67: 979-986.
149. Clutton-Brock, T.H. 1998. Introduction: studying reproductive costs. *Oikos* 83: 421-423.
150. Langley, P.A. and Clutton-Brock, T.H. 1998. Does reproductive investment change with age in tsetse flies, *Glossina morsitans morsitans* Westwood (Diptera: Glossinidae)? *Journal of Functional Ecology.* 12: 866-870.

1999

151. Clutton-Brock, T.H., MacColl, A.D.C., Chadwick, P., Gaynor, D., Kansky, R., and Skinner, J.D. 1999a Reproduction and survival of suricates (*Suricata suricatta*) in the southern Kalahari. *African Journal of Ecology* 77: 69-80.
152. Clutton-Brock, T.H., O’Riain, M.J., Brotherton, P.N.M., Gaynor, D., Kansky, R., Griffin, A.S. and Manser, M. 1999b Selfish sentinels in cooperative mammals. *Science* 284:1640-1644.
153. Clutton-Brock, T.H., Gaynor, D., McIlrath, G.M., MacColl, A.D.C., Kansky, R., Chadwick, P., Manser, M., Brotherton, P.N.M. and Skinner, J.D. 1999c Predation, group size and mortality in a cooperative mongoose, *Suricata suricatta*. *Journal of Animal Ecology.* 68: 672-683.
154. Courchamp, F., Grenfell, B. and Clutton-Brock, T.H. 1999a. Population dynamics of obligate cooperators. *Proceedings of the Royal Society of London, B.* 266: 557-563.
155. Milner, J. M., Albon, S.D., Illius, A.W., Pemberton, J.M. and Clutton-Brock, T.H. 1999. Repeated selection of morphometric traits in the Soay sheep on St Kilda. *Journal of Animal Ecology.* 68: 472-488.
156. Coltman, D.W., Bancroft, D.R., Robertson, A., Smith, J.A., Clutton-Brock, T.H. and Pemberton, J.M. 1999. Male reproductive success in a promiscuous mammal: behavioural estimates compared with genetic paternity. *Molecular Ecology* 8: 1199-1209.
157. Coltman, D.W., Smith, J.A., Bancroft, D.R., Pilkington, J.G., Clutton-Brock, T.H. and Pemberton, J.M. 1999. Density-dependent variation in lifetime breeding success, natural and sexual selection in Soay rams. *American Naturalist* 154: 730-746.

158. Kruuk, L.E.B., Clutton-Brock, T.H., Albon, S.D., Pemberton, J.M. and Guinness, F.E. 1999a. Population density affects sex ratio variation in red deer. *Nature* 399: 459-461.
159. Coulson, T.N., Albon, S.D., Pilkington, G. and Clutton-Brock, T.H. 1999. Small-scale spatial dynamics in a fluctuating ungulate population. *Journal of Animal Ecology* 68: 658-671.
160. Jensen, S. P., Siefert, L., Okori, J.J.L. and Clutton-Brock, T.H. 1999. Age-related participation in allosuckling by nursing warthogs (*Phacochoerus africanus*). *Journal of Zoology* 248: 443-449.
161. Conradt, L., Clutton-Brock, T.H. and Thomson, D. 1999. Habitat segregation in ungulates: are males forced into suboptimal foraging habitats through indirect competition by females? *Oecologia* 119: 367-377.
162. Conradt, L., Clutton-Brock, T. H. and Guinness, F. E., 1999. Lifetime reproductive success in relation to habitat use in female red deer. *Oecologia* 120: 218-224.
163. Clutton-Brock, T.H. 1999. Variation in red deer density in the Highlands. SNH Advisory Note N°: 100.
164. Clutton-Brock, T.H. 1999. Management of red deer on Rum. SNH Advisory Note N°: 101.
165. Courchamp, F., Clutton-Brock, T H. and Grenfell, B. 1999b. Inverse density dependence and the Allee effect. *Trends in Ecology and Evolution* 14: 375-415.
166. Kruuk, L.E.B., Clutton-Brock, T.H., Rose, K.E. and Guinness, F.E. 1999b. Early determinants of lifetime reproductive success differ between the sexes in red deer. *Proceedings of the Royal Society B*. 266: 1655-1661.

2 0 0 0

167. Clutton-Brock, T.H., Brotherton, P.N.M., O’Riain, M.J., Griffin, A.S., Gaynor, D., Sharpe, L., Kinsky, R., Manser, M. and McIlrath, G.M. 2000. Individual contributions to babysitting in a cooperative mongoose, *Suricata suricatta*. *Proceedings of the Royal Society B*. 267: 301-305.
168. Milner-Gulland, E.J., Coulson, T.N. and Clutton-Brock, T.H. 2000. On harvesting a structured ungulate population. *Oikos* 88: 592-602.
169. Kruuk, L.E.B., Clutton-Brock, T.H., Slate, J., Pemberton, J.M., Brotherstone, S. and Guinness, F.E. 2000. Heritability of fitness in a wild mammal population. *PNAS* 97: 698-703.

170. Slate, J., Kruuk, L.E.B., Marshall, T.C., Pemberton, P.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 B*. 267: 1657-1662.
171. Conradt, L., Clutton-Brock, T. H. and Guinness, F. E., 2000. Sex differences in weather sensitivity can cause habitat segregation: red deer as an example. *Animal Behaviour* 59: 1049-1060.
172. Coulson, T., Milner-Gulland, E.J., and Clutton-Brock, T.H. 2000. The relative roles of density and climatic variation on population dynamics and fecundity rates in three contrasting ungulate species. *Proceedings of the Royal Society, B*. 267: 1771-1779.
173. Albon, S.D., Coulson, T.N., Brown, D., Guinness, F.E., Pemberton, J.M. and Clutton-Brock, T.H. 2000. Temporal changes in key factors and key age groups influencing the population dynamics of female red deer. *Journal of Animal Ecology* 69: 1099-1110.
174. M.J. O'Riain, N.C. Bennett, P.N.M. Brotherton, G. McIlrath, T.H. Clutton-Brock. 2000. Reproductive suppression and inbreeding avoidance in wild populations of cooperatively breeding meerkats (*Suricata suricatta*). *Behavioural Ecology and Sociobiology*. 48: 471-477.
175. Courchamp, F., Grenfell, B.T. and Clutton-Brock, T H. 2000. Impact of natural enemies on obligately cooperative breeders. *Oikos* 91:311-322.
176. Courchamp, F., Clutton-Brock, T.H. and Grenfell, B.T. 2000. Multipack dynamics and the Allee effect in the African wild dog, *Lycaon pictus*. *Animal Conservation* 3: 277-285.
- 2 0 0 1**
177. Clutton-Brock, T.H., Brotherton, P.N.M., O'Riain, M.J., Griffin, A.S., Gaynor, D., Kansky, R., Sharpe, L. and McIlrath, G.M. 2001a. Contributions to cooperative rearing in meerkats, *Suricata suricatta*. *Animal Behaviour* 61: 705-710.
178. Clutton-Brock, T.H., Brotherton, P.N.M., Russell, A.F., O'Riain, M.J., Gaynor, D., Kansky, R., Griffin, A., Manser, M., Sharpe, L., McIlrath, G.M., Small, T., Moss, A. and Monfort, S. 2001b. Cooperation, conflict and concession in meerkat groups. *Science* 291: 478-481.
179. Kokko, H., Johnstone, R.A. and Clutton-Brock, T.H. 2001. The evolution of cooperative breeding through group augmentation. *Proceedings of the Royal Society B*. 268: 187-196.

180. Coulson, T.N., Catchpole, E.A., Albon, S.D., Morgan, B.J.T., Grenfell, B.T. and Clutton-Brock, T.H. 2001. Age, sex, density, winter weather and population crashes in Soay sheep. *Science* 292: 1528-1531.
181. Forchhammer, M.C., Clutton-Brock, T.H., Lindström, J. and Albon, S.D. 2001. Climate and population density induce long-term cohort variation in a northern ungulate. *Journal of Animal Ecology* 70: 721-729.
182. Conratt, L., Gordon, I.J., Clutton-Brock, T.H., Thomson, D. and Guinness, F. E., 2001. Could the indirect competition hypothesis explain inter-sexual site segregation in red deer (*Cervus elaphus* L.)? *Journal of Zoology* 254: 185-193.
183. Chapman, A.P., Brook, B.W., Clutton-Brock, T.H., Grenfell, B. and Frankham, R. 2001. Population viability analyses on a cycling population: a cautionary tale. *Biological Conservation* 97: 61-69.
184. Clutton-Brock, T.H. 2001. Sociality and population dynamics. *In Ecology: Achievement and Challenge* (Eds M C Press, N J Huntly, S Levin). pp. 47-66. Oxford: Blackwell Science.
185. Brotherton, P.N.M., Clutton-Brock, T.H., O’Riain, M.J., Gaynor, D., Sharpe, L., Kansky, R. and McIlrath, G.M. 2001. Offspring food allocation by parents and helpers in a cooperative mammal. *Behavioural Ecology* 12: 590-599.
186. Clutton-Brock, T.H., Russell, A.F., Brotherton, P.N.M., Sharpe, L., McIlrath, G.M., White, S. and Cameron, E.Z. 2001c. Effects of helpers on juvenile development and survival in meerkats. *Science* 293: 2446-2449.
187. Moss, A.M., Clutton-Brock, T.H. and Monfort, S.L. 2001. Longitudinal and gonadal steroid excretion in free-living male and female meerkats (*Suricata suricatta*). *General and Comparative Endocrinology* 122: 158-171.
- 2002**
188. Clutton-Brock, T.H., Coulson, T.N., Milner-Gulland, E.J., Thomson, D. and Armstrong, H. 2002. Sex differences in emigration and mortality affect optimal management of deer populations. *Nature* 415: 633-637.
189. Clutton-Brock, T.H. 2002. Breeding together: kin selection and mutualism in cooperative societies. *Science* 296: 69-72.
190. Clutton-Brock, T.H., Russell, A.F., Sharpe, L.L., Young, A.J., Balmforth, Z. and McIlrath, G.M. 2002. Evolution and development of sex differences in cooperative behavior in meerkats. *Science* 297: 253-256.

191. Russell, A.F., Clutton-Brock, T.H., Brotherton, P.N.M., Sharpe, L.L., McIlrath, G.M., Dalerum, F.D., Cameron, E.Z. and Barnard, J.A. 2002. Factors affecting pup growth and survival in cooperatively breeding meerkats *Suricata suricatta*. *Journal of Animal Ecology* 71: 700-709.
192. Marshall, T.C., Coltman, D.W., Pemberton, J.M., Slate, J., Spalton, J.A., Guinness, F.E., Smith, J.A., Pilkington, J.G. and Clutton-Brock, T.H. 2002. Estimating the prevalence of inbreeding from incomplete pedigrees. *Proceedings of the Royal Society* 269: 1533-1539.
193. Sibly, R., Hone, J. and Clutton-Brock, T.H. (Eds) 2002. *Population growth rate: determining factors and role in population regulation*. Oxford: Blackwell's.
194. Sharpe, L.L., Clutton-Brock, T.H., Brotherton, P.N.M., Cameron, E.Z. and Cherry, M.I. 2002. Experimental provisioning increases play in free-ranging meerkats. *Animal Behaviour* 64: 113-121.
195. Scantlebury, M., Russell, A.F., McIlrath, G.M., Speakman, J.R. and Clutton-Brock, T.H. 2002. The energetics of lactation in cooperatively breeding meerkats *Suricata suricatta*. *Proceedings of the Royal Society B*. 269: 2147-2153.
196. Kruuk, L.E.B., Slate, J., Pemberton, J.M., Brotherstone, S., Guinness, F.E. and Clutton-Brock, T.H. 2002. Antler size in red deer: heritability and selection but no evolution. *Evolution* 56: 1683-1695.
197. Clutton-Brock, T.H. and Coulson, T.N. 2002. Comparative ungulate dynamics: the devil is in the detail. *Philosophical Transactions of the Royal Society* 357: 1285-1298.
198. Lummaa, V. and Clutton-Brock, T.H. 2002. Early Development, survival and reproduction in humans. *Trends in Ecology and Evolution* 17: 141-147.
199. Lindström, J., Coulson, T.C., Kruuk, L., Forchhammer, M. C., Coltman, D. and Clutton-Brock, T.H. (2002) Sex-ratio variation in Soay sheep. *Behavioral Ecology and Sociobiology* 53: 25-30.
200. Lummaa, V. and Clutton-Brock, T.H. 2002. Early development and determinants of reproductive success in humans. *American Journal of Human Biology* 14: 122-122.
- 2003**
201. Kruuk, L.E.B., Slate, J., Pemberton, J.M. and Clutton-Brock, T.H. (2003) Fluctuating asymmetry in a secondary sexual trait: No associations with

individual fitness, environmental stress or inbreeding, and no heritability. *Journal of Evolutionary Biology* 16: 101-113.

202. Russell, A.F., Brotherton, P.N.M., McIlrath, G.M., Sharpe, L.L. and Clutton-Brock, T.H. (2003) Breeding success in cooperative meerkats: effects of helper number and maternal state. *Behavioural Ecology* 14: 486-492.
203. Griffin, A.S., Pemberton, J.M., Brotherton, P.N.M., McIlrath, G.M., Gaynor, D., Kansky, R. and Clutton-Brock, T.H. (2003) A genetic analysis of breeding success in the cooperative meerkat (*Suricata suricatta*). *Behavioral Ecology* 14: 472-480.
204. Clutton-Brock, T.H. and Coulson, T. (2003) Comparative ungulate dynamics: the devil is in the detail. *In Wildlife Population Growth Rates* (Eds R M Sibly, J Jones, T H Clutton-Brock) pp.249-268. Cambridge: University Press.
205. Clutton-Brock, T.H., Russell, A.F. and Sharpe, L.L. 2003. Meerkat helpers do not specialize in particular activities. *Animal Behaviour* 66: 531-540.
206. Coulson, T.N., Kruuk, L.E.B., Tavecchia, G., Pemberton, J.M. and Clutton-Brock, T.H. 2003. Estimating selection on neonatal traits in red deer using elasticity path analysis. *Evolution* 57: 2879-2892.
207. Russell, A.F., Sharpe, L.L., Brotherton, P.N.M. and Clutton-Brock, T.H. 2003. Cost minimization by helpers in cooperative vertebrates. *PNAS* 100: 3333-3338.
208. McElreath, R., Clutton-Brock, T.H., Fehr, E., Fessler, D.M.T., Hagen, E.H., Hammerstein, P., Kosfeld, M., Milinski, M., Silk, J.B. and Wilson, M.I. 2003. Group report: The role of cognition and emotion in cooperation. *Dahlem Workshop Reports: Environmental Sciences Research Report* pp.125-152.

2004

209. Milner-Gulland, E.J., Coulson, T.N. and Clutton-Brock, T.H. 2004. Sex differences and data quality as determinants of income from hunting red deer. *Wildlife Biology* 10: 187-201.
210. Clutton-Brock, T.H., Russell, A.F. and Sharpe, L.L. 2004. Behavioural tactics of breeders in cooperative meerkats. *Animal Behaviour* 68: 1029-1040.
211. Carlson, A.A., Young, A.J., Russell, A.F., Bennett, N.C., McNeilly, A.S. and Clutton-Brock, T.H. 2004. Hormonal correlates of dominance in meerkats (*Suricata suricatta*). *Hormones and Behavior* 46: 141-150.

212. Clutton-Brock, T.H., Coulson, T. and Milner, J.M. 2004. Red deer stocks in the Highlands of Scotland. *Nature* 429: 261-262.
213. Coulson, T., Guinness, F.E., Pemberton, J.M. and Clutton-Brock, T.H. 2004. The demographic consequences of releasing a population of red deer from culling. *Ecology* 85: 411-422
214. Stenseth, N.C., Chan, K.S., Tavecchia, G., Coulson, T., Mysterud, A., Clutton-Brock, T.H. and Grenfell, B.T. 2004. Modelling non-additive and non-linear signals from climatic noise in ecological time series: Soay sheep as an example. *Proceedings of the Royal Society B* 271: 1985-1993.
215. Russell, A.F., Carlson, A.A., McIlrath, G.M., Jordan, N.R. and Clutton-Brock, T.H. 2004. Adaptive size modification by dominant female meerkats. *Evolution* 58: 1600-1607.
216. Clutton-Brock, T. H. 2004. What is sexual selection? *In* *Sexual Selection in Primates: new and comparative perspectives* (Eds P M Kappeler and C P van Schaik) pp.24-36. Cambridge University Press.
217. Clutton-Brock, T.H. and Pemberton, J.M. 2004. Individuals and populations. *In* *Soay Sheep: dynamics and selection in an island population.* pp.1-16. Cambridge University Press.
218. Clutton-Brock, T.H., Pemberton, J.M., Coulson, T., Stevenson, I.R. and MacColl, A.D.C. 2004. The sheep of St Kilda. *In* *Soay Sheep: dynamics and selection in an island population.* pp.17-51. Cambridge University Press.
219. Clutton-Brock, T.H., Grenfell, B.T., Coulson, T., MacColl, A.D.C., Illius, A.W., Forchhammer, M.C., Wilson, K., Lindström, J., Crawley, M.J. and Albon, S.D. 2004. Population dynamics in Soay sheep. *In* *Soay Sheep: dynamics and selection in an island population.* pp.52-88. Cambridge University Press.
220. Clutton-Brock, T.H. 2004. The causes and consequences of instability. *In* *Soay Sheep: dynamics and selection in an island population.* pp.276-310. Cambridge University Press.
221. Hallett, T.B., Coulson, T., Pilkington, J.G., Clutton-Brock, T.H., Pemberton, J.M. and Grenfell, B. 2004. Why large-scale climate indices seem to predict ecological processes better than local weather. *Nature* 430: 71-74.
222. Bateson, P., Barker, D., Clutton-Brock, T., Deb, D., D'Uldine, B., Foley, R., Gluckman, P., Godfray, K., Kirkwood, T., Lahr, M.M., McNamara, J., Metcalfe, N.B., Monaghan, P., Spencer, H G. and Sultan, S. 2004. Developmental plasticity and human health. *Nature* 430: 419-421.

223. Catchpole, E.A., Fan, Y., Morgan, B.J.T., Clutton-Brock, T.H. and Coulson, T. 2004. Sexual dimorphism, survival and dispersal in red deer. *Journal of Agricultural Biological and Environmental Statistics* 9: 1-26.

2005

224. Clutton-Brock, T.H., Russell, A.F., Sharpe, L.L. and Jordan, N.R. 2005. 'False-feeding' and aggression in meerkat societies. *Animal Behaviour* 69: 1273-1284.
225. Young, A.J., Carlson, A.A. and Clutton-Brock, T.H. 2005. Trade-offs between extraterritorial prospecting and helping in a cooperative mammal. *Animal Behaviour* 70:829-837.
226. Nussey, D.H., Clutton-Brock, T.H., Albon, S.D., Pemberton, J. and Kruuk, L.E.B. 2005. Constraints on plastic responses to climate variation in red deer. *Biology Letters* 1: 457-460.
227. Stephens, P.A., Russell, A.F., Young, A.J., Sutherland, W.J. and Clutton-Brock, T.H. (2005) Dispersal, eviction and conflict in meerkats (*Suricata suricatta*): An evolutionarily stable strategy model. *American Naturalist* 165: 120-135.
228. Nussey, D.H., Clutton-Brock, T.H., Elston, D.A., Albon, S.D. and Kruuk, L.E.B. (2005) Phenotypic plasticity in a maternal trait in red deer. *Journal of Animal Ecology* 74:387-396.
229. Nussey, D.H., Coltman, D.W., Coulson, T., Kruuk, L.E.B., Donald, A., Morris, S.J., Clutton-Brock, T.H. and Pemberton, J. (2005) Rapidly declining fine-scale spatial genetic structure in female red deer. *Molecular Ecology* 14: 3395-3405.
230. Reby, D., McComb, K., Cargnelutti, B., Darwin, C., Fitch, W.T. and Clutton-Brock, T.H. 2005. Red deer stags use formants as assessment cues during intrasexual agonistic interactions. *Proceedings of the Royal Society B – Biological Sciences* 272: 941-947.
231. Tavecchia, G., Coulson, T., Morgan, B.J.T., Pemberton, J.M., Pilkington, J.C., Gulland, F.M.D. and Clutton-Brock, T.H. 2005. Predictors of reproductive cost in female Soay sheep. *Journal of Animal Ecology* 74: 201-213.

2006

232. Young, A.J. and Clutton-Brock, T. 2006. Infanticide by subordinates influences reproductive sharing in cooperatively breeding meerkats. *Biology Letters* 2: 385-387.

233. Clutton-Brock, T.H. and Isvaran, K. 2006. Paternity loss in contrasting mammalian societies. *Biology Letters* 2: 513-516.
234. Moyes, K., Coulson, T., Morgan, B.J.T., Donald, A., Morris, S.J. and Clutton-Brock, T.H. 2006. Cumulative reproduction and survival costs in female red deer. *Oikos* 115: 241-252.
235. Nussey, D.H., Kruuk, L.E.B., Donald, A., Fowlie, M. and Clutton-Brock, T.H. 2006. The rate of senescence in maternal performance increases with early-life fecundity in red deer. *Ecology Letters*: 9: 1342-1350.
236. Clutton-Brock, T.H., Hodge, S.J., Spong, G., Russell, A.F., Jordan, N.R., Bennett, N.C. and Manser, M.B. 2006. Intrasexual competition and sexual selection in cooperative mammals. *Nature* 444:1065-1068.
237. McLoughlin, P.D., Boyce, M.S., Coulson, T. and Clutton-Brock, T. 2006. Lifetime reproductive success and density-dependent, multi-variable resource selection. *Proceedings of the Royal Society B* 273:1449-1454.
238. Clutton-Brock, T.H. 2006. Cooperative breeding in mammals. *In Cooperation in Primates and Humans* (Eds P M Kappeler and C P van Schaik) pp.173-190. Berlin: Springer Verlag.
239. Kutsukake, N. and Clutton-Brock, T.H. 2006. Social function of allo-grooming in cooperatively breeding meerkats *Suricata suricatta*. *Animal Behaviour* 72: 1059-1068.
240. Wilson, A.J., J.M. Pemberton, J.G. Pilkington, D.W. Coltman, D.V. Mifsud, T.H. Clutton-Brock, and L.E.B. Kruuk, 2006. Environmental coupling of selection and heritability limits evolution. *PLoS Biology*. 4: 1270-1275.
241. Carlson, A.A., Manser, M.B., Young, A.J., Russell, A.F., Jordan, N.R., McNeilly, A.S. and Clutton-Brock, T.H. 2006. Cortisol levels are positively associated with pup-feeding rates in male meerkats. *Proceedings of the Royal Society B* 273: 571-577.
242. Kutsukake, N. and Clutton-Brock, T.H. 2006. Aggression and submission reflect reproductive conflict between females in cooperatively breeding meerkats *Suricata suricatta*. *Behavioral Ecology and Sociobiology* 59: 541-548.
243. Carlson, A.A., Russell, A.F., Young, A.J., Jordan, N.R., McNeilly, A.S., Parlow, A.F. and Clutton-Brock, T.H. 2006. Elevated prolactin levels immediately precede decisions to babysit by male meerkat helpers. *Hormones and Behavior* 50:94-100.

244. Young, A.J., Carlson, A.A., Monfort, S.L., Russell, A.F., Bennett, N.C. and Clutton-Brock, T.H. 2006. Stress and the suppression of subordinate reproduction in cooperatively breeding meerkats. *Proceedings of the National Academy of Sciences (USA)* 103:12005-12010.
245. Csilléry, K., Johnson, T., Beraldi, D., Clutton-Brock, T., Coltman, D., Hansson, B., Spong, G. and Pemberton, J.M. 2006. Performance of marker-based relatedness estimators in natural populations of outbred vertebrates. *Genetics* 173: 2091-2101.
246. Robinson, M.R., Pilkington, J.G., Clutton-Brock, T.H., Pemberton, J.M. and Kruuk, L.E.B. 2006. Live fast, die young: trade-offs between fitness components and sexually antagonistic selection on weaponry in Soay sheep. *Evolution* 60: 2168-2181.
247. Pizzari, T., Birkhead, T.R., Blows, M.W., Brooks, R., Buchanan, K.L., Clutton-Brock, T.H., Harvey, P.H., Hosken D.J., Jennions M.D., Kokko H., Kotiaho J.S., Lessells C.M., Macias-Garcia C., Moore A.J., Parker G.A., Partridge L., Pitnick S., Radwan J., Ritchie M., Sheldon B.C., Simmons L.W., Snook R.R., Stockley P. and Zuk M. 2006. Debating sexual selection and mating strategies. *Science* 312: 690-690.
248. Ruckstuhl, K.E., Manica, A., MacColl, A.D.C., Pilkington, J.G. and Clutton-Brock, T.H. The effects of castration, sex ratio and population density on social segregation and habitat use in Soay sheep. *Behavioral Ecology and Sociobiology* 59: 694-703.
- 2007**
249. Hodge, S.J., Flower, T.P. and Clutton-Brock, T.H. 2007. Offspring competition and helper associations in cooperative meerkats. *Animal Behaviour* 74: 957-964.
250. Nussey, D.H., Kruuk, L.E.B., Morris, A. and Clutton-Brock T.H. 2007. Environmental conditions in early life influence ageing rates in a wild population of red deer. *Current Biology* 17: 2136-2142.
251. Nussey, D.H., Metherell, B., Moyes, K., Donald, A., Guinness, F.E. and Clutton-Brock, T.H. 2007. The relationship between tooth wear, habitat quality and late-life reproduction in a wild red deer population. *Journal of Animal Ecology* 76: 402-412.
252. Wilson, A.J., Pemberton, J.M., Pilkington, J.G., Clutton-Brock, T.H., Coltman, D.W. and Kruuk, L.E.B. 2007. Quantitative genetics of growth and cryptic evolution of body size in an island population. *Evolutionary Ecology* 21: 337-356.

253. Foerster, K., Coulson, T., Sheldon, B.C., Pemberton, J.M., Clutton-Brock, T.H. and Kruuk, L.E.B. 2007. Sexually antagonistic genetic variation for fitness in red deer. *Nature* 447: 1107-1110.
254. Russell, A.F., Young, A.J., Spong, G, Jordan, N.R. and Clutton-Brock, T. H. (2007). Helpers increase the reproductive potential of offspring in cooperative meerkats. *Proceedings of the Royal Society B* 217, 513-524.
255. Young, A.J., Spong, A.J., and Clutton-Brock, T.H. (2007) Subordinate males prospect for extra-group paternity: alternative reproductive tactics in a cooperative mammal. *Proceedings of the Royal Society B* 274, 1603-1609.
256. Hone, J. and Clutton-Brock, T.H. 2007. Climate, food, density and wildlife population growth rate. *Journal of Animal Ecology* 76: 361-367.
257. Dalerum, F., Bennett, N.C. and Clutton-Brock, T.H. 2007. Longitudinal differences in ^{15}N between mothers and offspring during and after weaning in a small cooperative mammal, the meerkat (*Suricata suricatta*). *Rapid Communications in Mass Spectrometry* 21: 1889-1892.
258. Clutton-Brock, T.H. and Isvaran, K. (2007) Sex differences in ageing in natural populations of vertebrates. *Proceedings of the Royal Society B* 274: 3097-3104.
259. Wilson, A.J., Nussey, D.H., Pemberton, J.M., Pilkington, J.G., Morris, A., Pelletier, F., Clutton-Brock, T.H. and Kruuk, L.E.B. 2007. Evidence for a genetic basis of aging in two wild vertebrate populations. *Current Biology* 17: 2136-2142.
260. Clutton-Brock, T.H. 2007. Sexual selection in males and females. *Science* 318: 1882-1885.
261. Pelletier, F., Clutton-Brock, T.H., Pemberton, J.M., Tuljapurkar, S. and Coulson, T. 2007. The evolutionary demography of ecological change: linking trait variation and population growth. *Science* 315: 1571-1574.
262. Isvaran, K. and Clutton-Brock, T.H. 2007. Ecological correlates of extra-group paternity in mammals. *Proceedings of the Royal Society B* 274: 219-224.
- 2008**
263. Hodge, S.J., Manica, A., Flower, T.P. and Clutton-Brock, T.H. 2008. Determinants of reproductive success in dominant female meerkats. *Journal of Animal Ecology* 77: 92-102.

264. Kutsukake, N. and Clutton-Brock, T.H. 2008. The number of subordinates moderates intrasexual competition among males in cooperatively breeding meerkats. *Proceedings of the Royal Society B* 275: 209-216.
265. Golabek, K.A., Jordan, N.R. and Clutton-Brock, T.H. 2008. Radiocollars do not affect the survival of foraging behaviour of wild meerkats. *Journal of Zoology* 274: 248-253.
266. Coulson, T., Ezard, T.H.G., Pelletier, F., Tavecchia, G., Stenseth, N.C., Childs, D.Z., Pilkington, J.G., Pemberton, J.M., Kruuk, L.E.B., Clutton-Brock, T.H. and Crawley, M.J. 2008. Estimating the functional form for the density dependence from life history data. *Ecology* 89: 1661-1674.
267. Hollén, L.I., Clutton-Brock, T. and Manser, M.B. 2008. Ontogenetic changes in alarm-call production and usage in meerkats (*Suricata suricatta*): adaptations or constraints? *Behavioral Ecology and Sociobiology* 62: 821-829.
268. Clutton-Brock, T.H., Hodge, S.J. and Flower, T.P. 2008. Group size and subordinate reproduction in Kalahari meerkats. *Animal Behaviour* 76: 689-700.
269. McLoughlin, P.D., Coulson, T. and Clutton-Brock, T. 2008. Cross-generational effects of habitat and density on life history in red deer. *Ecology* 89: 3317-3326.
270. Spong, G.F., Hodge, S.J., Young, A.J. and Clutton-Brock, T.H. 2008. Factors affecting reproductive success of dominant male meerkats. *Molecular Ecology* 17: 2287-2299.
271. Manser, M.B., Madden, J.R., Kunc, H.P., English, S. and Clutton-Brock, T.H. 2008. Signals of need in a cooperatively breeding mammal with mobile offspring. *Animal Behaviour* 76: 1805-1813.
272. English, S., Kunc, H.P., Madden, J.R. and Clutton-Brock, T.H. 2008. Sex differences in responsiveness in a cooperative mammal. *Biology Letters* 4: 334-338.
273. Stopher, K.V., Pemberton, J.M., Clutton-Brock, T.H. and Coulson, T. 2008. Individual differences, density dependence and offspring birth traits in a population of red deer. *Proceedings of the Royal Society B* 275: 2137-2145.
274. Robinson, M.R., Pilkington, J.G., Clutton-Brock, T.H., Pemberton, J.M. and Kruuk, L.E.B. 2008. Environmental heterogeneity generates fluctuating selection on a secondary sexual trait. *Current Biology* 18: 751-757.

275. Jones, O.R., Gaillard, J-M., Tuljapurkar, S., Alho, J.S., Armitage, K.B., Becker, P.H., Bize, P., Brommer, J., Charmantier, A., Charpentier, M., Clutton-Brock, T.H., Dobson, F.S., Festa-Bianchet, M., Gustafsson, L., Jensen, H., Jones, C.G., Lillandt, B-G., McCleery, R., Merila, J., Neuhaus, P., Nicoll, M.A.C., Norris, K., Oli, M.K., Pemberton, J., Pietiainen, H., Ringsby, T.H., Roulin, A., Saether, B-E., Setchell, J.M., Sheldon, B.C., Thompson, P.M., Weimerskirch, H., Wickings, E.J. and Coulson, T. (2008) Senescence rates are determined by ranking on the fast slow life-history continuum. *Ecology Letters* 11: 664-673.
276. Jones, O.R., Clutton-Brock, T.H., Coulson, T. and Godfray, H.C.J. (2008) A web resource for the UK's long-term individual-based time-series (LITS) data. *Journal of Animal Ecology* 77: 612-615.
277. Nussey, D.H., Wilson, A.J., Morris, A., Pemberton, J., Clutton-Brock, T., and Kruuk, L.E.B. (2008) Testing for genetic trade-offs between early- and late-life reproduction in a wild red deer population. *Proceedings of the Royal Society B* 275: 745-750.

2009

278. Clutton-Brock, T.H. 2009. Sexual selection in females. *Animal Behaviour* 77: 3-11.
279. Clutton-Brock, T. and McAuliffe, K. (2009) Female mate choice in mammals. *The Quarterly Review of Biology* 84: 3-27.
280. Madden, J.R. and Clutton-Brock, T.H. (2009) Manipulating grooming by decreasing parasite load causes unpredicted changes in antagonism. *Proceedings of the Royal Society B* 276: 1263-1268.
281. Tavecchia, G., Besbeas, P., Coulson, T., Morgan, B.J.T. and Clutton-Brock, T.H. (2009) Estimating population size and hidden demographic parameters with state-space modeling. *American Naturalist* 173: 722-733.
282. Martínez-Jauregui, M., Miguel-Ayán, A.S., Mysterud, A., Rodríguez-Vigal, C., Clutton-Brock, T., Langvatn, R. and Coulson, T. (2009) Are local weather, NDVI and NAO consistent determinants of red deer weight across three contrasting European countries? *Global Change Biology* 15: 1727-1738.
283. Madden, J.R., Kunc, H-J., English, S., Manser, M. and Clutton-Brock, T.H. (2009) Do meerkat (*Suricata suricatta*) pups exhibit strategic begging behaviour and so exploit adults that feed at relatively high rates? *Behavioral Ecology and Sociobiology* 63: 1259-1268.

284. Madden, J.R., Kunc, H-J.P. Kunc., English, S. and Clutton-Brock, T.H. (2009) Why do meerkat pups stop begging? *Animals Behaviour*: 78: 85-89.
285. Nussey, D.H., Kruuk, L.E.B., Morris, A., Clements, M.N., Pemberton, J.M. and Clutton-Brock, T.H. (2009) Inter- and intra-sexual variation in ageing patterns across reproductive traits in a wild red deer population. *American Naturalist* 174: 342-357.
286. Madden, J.R., Drewe, J.A., Pearce, G.P. and Clutton-Brock, T.H. (2009) The social network structure of a wild meerkat population: 2. Intragroup interactions. *Behavioural Ecology and Sociobiology* 64:81-95.
287. Madden, J.R. and Clutton-Brock, T.H. (2009) Calling in the gap: competition or cooperation in littermates' begging behaviour. *Proceedings of the Royal Society B* 276: 1255-1262.
288. Clutton-Brock, T.H. (2009) Structure and function in mammalian societies. *Philosophical Transactions of the Royal Society B* 364: 3229-3242.
289. Clutton-Brock, T.H., West, S., Ratnieks and Foley, R. (2009) The evolution of society. *Philosophical Transactions of the Royal Society B* 364: 3127-3133.
290. Clutton-Brock, T.H. (2009) Cooperation between non-kin in animal societies. *Nature* 462: 51-57.
291. Korsten P, Clutton-Brock T, Pilkington J.G., Pemberton J.M., Kruuk L.E.B. (2009) Sexual conflict in twins: male co-twins reduce fitness of female Soay sheep. *Biology Letters* 5:663-666.
292. Hodge, S., Thornton, A., Flower, T. and Clutton-Brock, T. (2009) Food limitation increases aggression in juvenile meerkats. *Behavioral Ecology* doi:10.1093/beheco/arp071.
293. Moyes, K., Morgan, B.J.T., Morris, A., Morris, S.J., Clutton-Brock, T.H. and Coulson, T. (2009) Exploring individual quality in a wild population of red deer. *Journal of Animal Ecology* 78: 406-413.
294. Ozgul, A., Tuljapurkar, T., Benton, T.G., Pemberton J.M., Clutton-Brock, T.H. and Coulson, T. (2009) The dynamics of phenotypic change and the shrinking sheep of St Kilda. *Science* 325: 464-467.
295. Robinson, M.R., Wilson, A.J., Pilkington, J.G., Clutton-Brock, T.H., Pemberton, J.M. and Kruuk, L.E.B. (2009) The impact of environmental heterogeneity on genetic architecture in a wild population of Soay sheep. *Genetics* 181: 1639-1648.

296. Wilson, A.J., Pemberton, J.M., Pilkington, J.G., Clutton-Brock, T.H. and Kruuk, L.E.B. (2009) Trading offspring size for number in a changing environment: selection on reproductive investment in female Soay sheep. *Journal of Animal Ecology* 78: 354-364.
297. Sharp, S.P. and Clutton-Brock, T.H. (2009) Reproductive senescence in a cooperatively breeding mammal. *Journal of Animal Ecology* 79: 176-183.
298. Kutsukake, N. and Clutton-Brock T.H. (2009) Grooming and the value of social relationships in cooperatively breeding meerkats. *Animal Behaviour* 79:271-279.
- 2010**
299. Clutton-Brock, T.H. (2010) We do not need a Sexual Selection 2.0-nor a theory of Genial Selection. *Animal Behaviour* doi:10.1016/j.anbehav.2009.10.018
300. Thackeray, S.J., Sparks, T.H., Frederiksen, M., Burthes, S., Bacon, P.J., Bell, J.R., Botham, M.S., Brereton, T.M., Bright, P.W., Carvalhos, L., Clutton-rock, T.H., Dawson, A., Edwards, M., Elliott, J.M., Harrington, R., Johns, D., Jones, I.D., Jones, J.T., Leech, D.I., Roy, D.B., Scott, W.A., Smith, M., Smithers, R.J., Winfield, I.J. and Wanless, S. (2010) Trophic level asynchrony in rates of phenological change for marine, freshwater and terrestrial environments. *Global Change Biology* 16: 3304-3313.
301. Clutton-Brock, T.H. and Sheldon, B.C. (2010) The Seven Ages of *Pan*. *Science* 327: 1207-1208
302. Clutton-Brock, T.H. (2010) Individuals, societies and populations. In *Leaders in Animal Behaviour: the next generation* (eds L.C. Drickamer and D.A. Dewsbury) pp.109-142. Cambridge University Press
303. Raihani, N.J. and Clutton-Brock, T.H. (2010) Higher reproductive skew among birds than mammals in cooperatively breeding species. *Biology Letters* doi: 1098/rsbl.2010.0159
304. Thornton, A., Samson, J. and Clutton-Brock T. (2010) Multi-generational persistence of traditions in neighbouring meerkat groups. *Proceedings of the Royal Society B* 277: 3623-3629. doi: 10.1098/rspb.2010.0611
305. Madden, J.R. and Clutton-Brock, T.H. (2010) Experimental peripheral administration of oxytocin elevates a suite of cooperative behaviours in a wild social mammal. *Proceedings of the Royal Society B* doi: 10/1098/rspb.2010.1675

306. Clutton-Brock, T. and Sheldon, B.C. (2010) Individuals and populations: the role of long-term, individual-based studies in ecology and evolutionary biology. *Trends in Ecology and Evolution* 25: 562-573
307. Clutton-Brock, T.H., Hodge, S.J., Flower, T.P., Spong, G.F. and Young, A.J. (2010) Adaptive suppression of subordinate reproduction in cooperative mammals. *American Naturalist* 176: 664-673
308. Moyes, K., Nussey, D.H., Clements, M.N., Guinness, F.E., Morris, A., Morris, S., Pemberton, J.M., Kruuk, L.E.B. and Clutton-Brock, T.H. (2011) Advancing breeding phenology in response to environmental change in a wild red deer population. *Global Change Biology* doi: 10.1111/j.1365-2486.2010.02382.x.
- 308^A. Clements, M.N., Clutton-Brock, T.H., Albon, S.D., Pemberton, J.M. and Kruuk, L.E.B. (2010) Getting the timing right: antler growth phenology and sexual selection in a wild red deer population. *Oecologia* 164: 357-368.
309. English, S., Nakagawa, S. and Clutton-Brock, T. H. (2010). Consistent individual differences in cooperative behaviour in meerkats (*Suricata suricatta*). *Journal of Evolutionary Biology* 23: 1597-1604.
- 309^A. Clements, M.N., Clutton-Brock, T.H., Guinness, F.E., Pemberton, J.M. and Kruuk, L.E.B. (2010) Variances and covariances of phenological traits in a wild mammal population. *Evolution* 65: 788-801.

2011

310. Bateman, A.W., Coulson, T. and Clutton-Brock, T.H. (2011) What do simple models reveal about the population dynamics of a cooperatively breeding species? *Oikos* 120: 787-794. doi: 10.1111/j.1600-0706.2010.18952.x
311. Abbot, P., Abe, J., Alcock, J., Alizon, S., Alpedrinha, J.A., Andersson, M., Andre, J.B., van Baalen, M., Balloux, F., Balshine, S., Barton, N., Beukeboom, L.W., Biernaskie, J.M., Bilde, T., Borgia, G., Breed, M., Brown, S., Bshary, R., Buckling, A., Burley, N.T., Burton-Chellew, M.N., Cant, M.A., Chapuisat, M., Charnov, E.L., Clutton-Brock, T., Cockburn, A., Cole, B.J., Colegrave, N., Cosmides, L., Couzin, I.D., Coyne, J.A., Creel, S., Crespi, B., Curry, R.L., Dall, S.R., Day, T., Dickinson, J.L., Dugatkin, L.A., El Mouden, C., Emlen, S.T., Evans, J., Ferriere, R., Field, J., Foitzik, S., Foster, K., Foster, W.A., Fox, C.W., Gadau, J., Gandon, S., Gardner, A., Gardner, M.G., Getty, T., Goodisman, M.A., Grafen, A., Grosberg, R., Grozinger, C.M., Gouyon, P.H., Gwynne, D., Harvey, P.H., Hatchwell, B.J., Heinze, J., Helanterä, H., Helms, K.R., Hill, K., Jiricny, N., Johnstone, R.A., Kacelnik, A., Kiers, E.T., Kokko, H., Komdeur, J., Korb, J., Kronauer, D., Kümmerli, R., Lehmann, L., Linksvayer, T.A., Lion, S., Lyon, B., Marshall,

- J.A., McElreath, R., Michalakis, Y., Michod, R.E., Mock, D., Monnin, T., Montgomerie, R., Moore, A.J., Mueller, U.G., Noë, R., Okasha, S., Pamilo, P., Parker, G.A., Pedersen, J.S., Pen, I., Pfennig, D., Queller, D.C., Rankin, D.J., Reece, S.E., Reeve, H.K., Reuter, M., Roberts, G., Robson, S.K., Roze, D., Rousset, F., Rueppell, O., Sachs, J.L., Santorelli, L., Schmid-Hempel, P., Schwarz, M.P., Scott-Phillips, T., Shellmann-Sherman, J., Sherman, P.W., Shuker, D.M., Smith, J., Spagna, J.C., Strassmann, B., Suarez, A.V., Sundström, L., Taborsky, M., Taylor, P., Thompson, G., Tooby, J., Tsutsui, N.D., Tsuji, K., Turillazzi, S., Ubeda, F., Vargo, E.L., Voelkl, B., Wenseleers, T., West, S.A., West-Eberhard, M.J., Westneat, D.F., Wiernasz, D.C., Wild, G., Wrangham, R., Young, A.J., Zeh, D.W., Zeh, J.A., Zink, A. (2011) Inclusive fitness theory and eusociality. *Nature* 471: E1-4. DOI 10.1038/nature09831.
312. Madden, J.R., Drewe, J.A., Pearce, G.P. and Clutton-Brock, T.H. (2011) The social network structure of a wild meerkat population: 3. Position of individuals within networks. *Behavioral Ecology and Sociobiology* 65: 1857-1871. DOI 10.1007/s00265-011-1194-2
313. Sharp, S.P. and Clutton-Brock, T.H. (2011) Competition, breeding success and ageing rates in female meerkats. *Journal of Evolutionary Biology* 24: 1756-1762 / doi 10.1111/j.1420-9101.2011.02304.x
314. Clutton-Brock, T.H. and Lukas, D (2011) The evolution of social philopatry and dispersal in female mammals. *Molecular Ecology* 21: 472-492. doi:10.1111/j.1365-294X.2011.05232.x
315. Pelletier, F., Moyes, K., Clutton-Brock, T.H. and Coulson, T. (2011) Decomposing variation in population growth into contributions from environment and phenotypes in an age-structured population. *Proceedings of the Royal Society B*. doi:10.1098/rspb.2011.0827
316. Sharp, S.P. and Clutton-Brock, T.H. (2011) Reluctant challengers: why do subordinate female meerkats rarely displace their dominant mothers? *Behavioral Ecology* 22: 1337-1343. doi:10.1093/beheco/arr138
317. Di Fonzo, M.M.I., Pelletier, F., Clutton-Brock, T.H., Pemberton, J.M. and Coulson, T. (2011) The population growth consequences of variation in individual heterozygosity. *PLoS* 6 doi:10.1371/journal.pone.0019667
318. Mares, R., Young, A.J., Levesque, D.L., Harrison, N. and Clutton-Brock, T.H. (2011) Responses to intruder scents in the cooperatively breeding meerkat: sex and social status differences and temporal variation. *Behavioral Ecology* 22: 594-600. doi 10.1093/beheco/arr021

319. Childs, D.Z., Coulson, T.N., Pemberton, J.M., Clutton-Brock, T.H. and Rees, M. (2011) Predicting trait values and measuring selection in complex life histories: reproductive allocation decisions in Soay sheep. *Ecology Letters* 14: 985-992. doi: 10.1111/j.1461-0248.2011.01657.x
320. Walling, C.A., Nussey, D.H., Morris, A., Clutton-Brock, T.H., Kruuk, L.E.B. and Pemberton, P.M. (2011) Inbreeding depression in red deer calves. *Evolutionary Biology* 11: 318-
321. Clements, M.N., Clutton-Brock, T.H., Albon, S.D., Pemberton, J.M. and Kruuk, L.E.B. (2011) Gestation length variation in a wild ungulate. *Functional Ecology* 25: 691-703.
322. Lukas, D. and Clutton-Brock, T.H. (2011) Group structure, kinship, inbreeding risk and habitual female dispersal in plural-breeding mammals. *Journal of Evolutionary Biology* 22: 1337-1343. doi:10.1111/j.1420-9101.2011.02385.x
323. English, S., Bateman, A.W. and Clutton-Brock, T.H. (2011) Lifetime growth in wild meerkats: incorporating life history and environmental factors into a standard growth model. *Oecologia* doi:10.1007/s00442-011-2192-9
324. Bateman, A.W., Ozgul, A., Coulson, T. and Clutton-Brock, T.H. (2011) Density dependence in group dynamics of a highly social mongoose, *Suricata suricatta*. *Journal of Animal Ecology* doi: 10.1111/j.1365-2656.2011.01934.x
325. Hayward, A.D., Wilson, A.J., Pilkington, J.G., Clutton-Brock, T.H., Pemberton, J.M. and Kruuk, L.E.B. (2011) Natural selection on a measure of parasite resistance varies across ages and environmental conditions in a wild mammal. *Journal of Evolutionary Biology* 24:1664-1676.
326. Wilson, A.J., Morrissey, M.B., Adams, M.J., Walling, C.A., Guinness, F.E., Pemberton, J.M., Clutton-Brock, T.H. and Kruuk, L.E.B. (2011) Indirect genetics effects and evolutionary constraint: an analysis of social dominance in red deer, *Vervus elaphus*. *Journal of Evolutionary Biology* 24: 772-783.
327. Stopher, K.V., Nussey, D.H., Clutton-Brock, T.H., Guinness, F.E., Morris, A. and Pemberton, J.M. (2011) The red deer rut revisited: female excursions but no evidence females move to mate with preferred males. *Behavioral Ecology* doi: 10.1093/beheco/arr052.

2012

328. Clutton-Brock, T.H. (2012) Long-term, individual-based field studies. In *Long-Term Field Studies of Primates* (eds P.M. Kappeler and D.P. Watts) Springer-Verlag Berlin Heidelberg. pp.437-449.

329. Santema, P. and Clutton-Brock, T.H. Dominant female meerkats do not use aggression to elevate work rates of helpers in response to increased brood demand. *Animal Behaviour* doi:10.1016/j.anbehav.2011.12.032
330. Barrette, M-F., Monfort, S.L., Festa-Bianchet, M., Clutton-Brock, T.H. and Russell, A.F. (2012) Reproductive rate, not dominance status, affects fecal glucocorticoid levels in breeding female meerkats. *Hormones and Behavior* doi: 10.1016/j.yhbeh.2011.12.005
331. Morrissey, M.B., Walling, C.A., Wilson, A.J., Pemberton, J.M., Clutton-Brock, T.H. and Kruuk, L.E. (2012) Genetic analysis of life-history constraint and evolution in a wild ungulate population. *American Naturalist* 179: E97-E114.
332. Gratten, J., Pilkington, J.G., Clutton-Brock, T.H., Pemberton, J.M. and Slate, J. (2012) Selection and microevolution of coat pattern are cryptic in a wild population of sheep. *Molecular Ecology* doi:10.1111/j.1365-294X.2012.05536.x

In press

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