Review. Stress-induced variation in evolution: from behavioural plasticity to genetic assimilation 877
A. V. Badyaev

Evidence of a shift in the cyclicity of Antarctic seabird dynamics linked to climate 887
S. Jenouvrier, H. Weimerskirch, C. Barbraud, Y.-H. Park & B. Cazelles

The dynamics of visual adaptation to faces 897
D. A. Leopold, G. Rhodes, K.-M. Müller & L. Jeffery

A silicified bird from Quaternary hot spring deposits 905
A. Channing, M. H. Schweitzer, J. R. Horner & T. McInerney

Density-dependent dispersal and spatial population dynamics 913
R. A. Ims & H. P. Andreassen

Trustworthy but not lust-worthy: context-specific effects of facial resemblance 919
L. M. DeBruine

Climate change and seal survival: evidence for environmentally mediated changes in elephant seal, Mirounga Leonina, pup survival 923
C. R. McMahon & H. R. Burton

A theoretical investigation of the effect of predators on foraging behaviour and energy reserves 929
J. M. McNamara, Z. Barta, A. I. Houston & P. Race

The colour of fitness: plumage coloration and lifetime reproductive success in the tawny owl 935
J. E. Brommer, K. Ahola & T. Karstinen

Red deer stags use formants as assessment cues during intrasexual agonistic interactions 941

Sperm competition and the evolution of male reproductive anatomy in rodents 949
S. A. Ramm, G. A. Parker & P. Stockley

Scaling of mammalian ethmoid bones can predict olfactory organ size and performance 957
H. Pilikström, M. Fortelius, S. Hemila, R. Fornarelli & T. Neuler

The Late Triassic pseudosuchian Revueltosaurus calenderi and its implications for the diversity of early ornithischian dinosaurs 963

Pathogen adaptation to seasonal forcing and climate change 971
K. Koele, M. Pascual & M. Yunus