Review articles

The validity and value of inclusive fitness theory
A. F. G. Bourke

Transitional forms between the three domains of life and evolutionary implications
E. C. Reynolds & D. P. Devos

Research articles

Extremely long-distance seed dispersal by an overfished Amazonian frugivore

Genomic sweep and potential genetic rescue during limiting environmental conditions in an isolated wolf population

Frugivore loss limits recruitment of large-seeded trees
D. M. Wolton & D. Kelly

Hibernation is associated with increased survival and the evolution of slow life histories among mammals
C. Turbill, C. Bieber & T. Ruf

Invasive predatory crayfish do not trigger inducible defences in tadpoles
I. Gomez-Mestre & C. Diaz-Paniagua

Sea urchin tube feet are photosensory organs that express a rhabdomeric-like opsin and PAX6
M. P. Leiser, K. L. Carleton, S. A. Böttger, T. M. Barry & C. W. Walker

Migration by soaring or flapping: numerical atmospheric simulations reveal that turbulence kinetic energy dictates bee-eater flight mode
N. Sapir, N. Honvit, M. Willeck, R. Avisar, Y. Maharr & R. Nathan

Parasitoid diversity reduces the variability in pest control services across time on farms
S. Macfadyen, P. G. Craze, A. Polaszek, K. van Achterberg & J. Memmott

Comparison of cytotoxic T lymphocyte efficacy in acute and persistent lymphocytic choriomeningitis virus infection
F. Saw, K. Richter, A. Overnu & R. R. Regoes

Bell miner provisioning calls are more similar among relatives and are used by helpers at the nest to bias their effort towards kin
P. C. McDonald & J. Wright

Temporal variation in temperature determines disease spread and maintenance in Paramocimicusc pentlandicae populations
A. B. Duncan, S. Fellows & O. Katz

Natural ‘poor start’ does not increase mortality over the lifetime
H. Dunn, C. Rodríguez & D. Oro

Costly punishment prevails in intergroup conflict
L. Salskjen, T. Manger & M. Pounte

Rainfall-induced changes in food availability modify the spring departure programme of a migratory bird
C. E. Studds & P. P. Marra

Expansion of mass-flowering crops leads to transient pollinator dilution and reduced wild plant pollination
A. Holzschuh, C. F. Darmann, T. Tschamnke & S. Stoffan-Denwenter

Familiarity affects the assessment of female facial signals of fertility by free-ranging male rhesus macaques
J. P. Higham, K. D. Hughes, L. J. N. Brent, C. Dubuc, A. Engelhard, M. Heistermann, D. Munch, L. R. Santos & M. Stevens

A late-surviving basal theropod dinosaur from the latest Triassic of North America
H.-D. Sues, S. J. Nadott, D. S. Beman & A. C. Hennig