Review articles

Vertically transmitted viral endosymbionts of insects: do sigma viruses walk alone?
B. Longdon & F. M. Jiggins

Research articles

Lethal effects of habitat degradation on fishes through changing competitive advantage
M. I. McCormick

Evolution of leaf form correlates with tropical–temperate transitions in Viburnum (Adoxaceae)

Extraordinarily rapid life-history divergence between Cryptasterina sea star species

Variability in solar radiation and temperature explains observed patterns and trends in tree growth rates across four tropical forests

High morphological variation of vestibular system accompanies slow and infrequent locomotion in three-toed sloths
C. Schwarz, N. Crumpton, T. Martin & I. Ruf

Plant-ants use symbiotic fungi as a food source: new insight into the nutritional ecology of ant–plant interactions
R. Blatrix, C. Djiéto-Lordon, L. Mondolot, P. La Fisca, H. Voglmayr & D. McKey

Coming out of the starting blocks: extended lag time narrows genetic diversity in introduced marine fishes of Hawai’i
M. K. Gathir, R. J. Toonen & B. W. Bowen

Abducting power for central: a precision timing strategy to modulate function of flight power muscles
S. Spoonberg & T. L. Daniel

Reassortant influenza A viruses in wild duck populations: effects on viral shedding and persistence in water

Explaining differences in the lifespan and replicative capacity of cells: a general model and comparative analysis of vertebrates
J. F. Gillooly, A. Hayward, C. Hou & J. G. Burleigh

Parental antagonism and parent-offspring co-adaptation interact to shape family life
J. Meunier & M. Kölliker

Individual contributions to territory defence in a cooperative breeder: weighing up the benefits and costs
R. Mares, A. J. Young & T. H. Clutton-Brock

Flying in the rain: hovering performance of Anna’s hummingbirds under varied precipitation
V. M. Ortega-Jimenez & R. Dudley

Adverse fertility and risky environments: a population-level perspective across the lifespan
C. D. Placek & R. J. Quinlan

Material effects in disease resistance: poor maternal environment increases offspring resistance to an insect virus
M. Boots & K. E. Roberts

Functional and evolutionary trade-offs co-occur between two consolidated memory phases in Drosophila melanogaster
I. Lagasse, C. Moreno, T. Preat & F. Mery

Reconstructing past species assemblages reveals the changing patterns and drivers of extinction through time
L. Brownman, R. Lamphere, P. Casey, C. Gilib & M. Cardillo

Plasmodium infection decreases fecundity and increases survival of mosquitoes
M. V. E. Ortica-Jimenez & R. Dudley

Social bonds affect anti-predator behaviour in a tolerant species of macaque, Macaca nigra
M. V. E. Ortica-Jimenez & R. Dudley

Mothers adjust offspring size to match the quality of the rearing environment
S. R. Pryce & A. L. Rolls

Thermal acclimation of interactions: differential responses to temperature change alter predator–prey relationship
V. S. Gregor, A. J. W. Ward & P. Seebacher

Life histories and the evolution of cooperative breeding in mammals
D. Lucas & T. Clutton-Brock

The island-mainland species turnover relationship
J. E. Stuart, J. R. Louis & A. C. Alger

Offspring fitness varies with parental extra-pair status in song sparrows, Melospiza melodia
R. J. Sardell, P. Arcese & J. M. Reid

Innovative problem solving by wild spotted hyenas
S. Benson-Amram & K. E. Holekamp