Review articles
What causes intraspecific variation in resting metabolic rate and what are its ecological consequences? 3465
T. Burton, S. S. Killen, J. D. Armstrong & N. B. Metcalfe

Research articles
Longer in the tooth, shorter in the record? The evolutionary correlates of hypsodonty in Neogene ruminants 3474
P. Raia, F. Carotenuto, J. T. Eronen & M. Fortelius

Archaecotanical evidence for a massive loss of epiphyte species richness during industrialization in southern England 3482
C. J. Elms, R. Yahr & B. J. Coppins

High activity enables life on a high-sugar diet: blood glucose regulation in nectar-feeding bats 3490
D. H. Kelm, R. Simon, D. Kuhlow, C. C. Voigt & M. Ristow

Species differences in the winner effect disappear in response to post-victory testosterone manipulations 3497
M. J. Fuzesjager, J. L. Montgomery & C. A. Marler

Experiments with humans indicate that decision accuracy drives the evolution of niche width 3504
C. R. Tosh, G. D. Ruxton, J. Krause & D. W. Franks

Maternity-related plasticity in circadian rhythms of bumble-bee queens 3510
A. Eban-Rothschild, S. Bellucci & G. Bloch

Internal brooding favours pre-metamorphic chimerism in a non-colonial cnidarian, the sea anemone *Urticina felina* 3517
A. Mercier, Z. Sun & J.-F. Hamel

Female choice for male motor skills 3523
J. Barske, B. A. Schlinger, M. Wikelski & L. Fusani

Hammer-toothed ‘marsupial skinks’ from the Australian Cenozoic 3529
D. A. Arena, M. Archer, H. Godthelp, S. J. Hand & S. Hocknull

Warming will affect phytoplankton differently: evidence through a mechanistic approach 3534
I. E. Huertas, M. Rouco, V. López-Rodas & E. Costas

Using network properties to predict disease dynamics on human contact networks 3544

Digit ratio (2D:4D) predicts facial, but not voice or body odour, attractiveness in men 3551
C. Ferdenzi, J.-F. Lemaître, J. D. Leongómez & S. C. Roberts

Balancing sampling and specialization: an adaptationist model of incremental development 3558
W. E. Frankenhuis & K. Panchanathan

How to evade a coevolving brood parasite: egg discrimination versus egg variability as host defences 3566
C. N. Spottiswoode & M. Stevens

Exclusion rules, bottlenecks and the evolution of stochastic phenotype switching 3574
E. Luby & P. B. Rainey

Natural visual cues eliciting predator avoidance in fiddler crabs 3584
J. Smolka, J. Zeil & J. M. Hemmi

Why do leafcutter bees cut leaves? New insights into the early evolution of bees 3593
J. R. Litman, B. N. Danforth, C. D. Eardley & C. J. Prav

Post-glacial partitioning of mitochondrial genetic variation in the field vole 3601
J. S. Herman & J. R. Sears

The high fidelity of the cetacean stranding record: insights into measuring diversity by integrating taphonomy and macroecology 3608
N. D. Pyenson