Review articles
Temperature change as a probe of muscle crossbridge kinetics: a review and discussion
R. C. Woledge, C. J. Earnshaw & N. A. Curtin

Research articles
The spider Harpactea sadistica: co-evolution of traumatic insemination and complex female genital morphology in spiders
M. Režác
Bayesian phylogenetic analysis of Semitic languages identifies an Early Bronze Age origin of Semitic in the Near East
A. Kitchen, C. Ehret, S. Assefa & C. J. Mulligan
Insipid allochronic speciation by climatic disruption of the reproductive period
S. Yamamoto & T. Sota
Experimental evidence for group hunting via eavesdropping in echolocating bats
Are rates of species diversification correlated with rates of morphological evolution?
D. C. Adams, C. M. Berns, K. H. Kozak & J. J. Wiens
Flexible responses to visual and olfactory stimuli by foraging Manduca sexta: larval nutrition affects adult behaviour
J. Goyret, A. Kelber, M. Pfaff & R. A. Raguso
The cellular geometry of growth drives the amino acid economy of COMMONhABITATIS elegans
J. Suire, S. Fecho, J. C. Bundy & A. M. Leroi
Experimental study of the behavioural mechanisms underlying self-organization in human crowds
M. Moussaid, D. Helbing, S. Carriere, A. Johansson, M. Combe & C. Theraud
Tonically immobilized selfish prey can survive by sacrificing others
T. Miyatake, S. Nakayama, Y. Nishi & S. Nakajima
Great tits growing old: selective disappearance and the partitioning of senescence to stages within the breeding cycle
S. Boxhuber, B. C. Sheldon, S. Verhulst & A. Charmantier
Optimal level of inbreeding in the common lizard
M. Richard, S. Leconte, M. de Frapiot & J. Clébert
Prenatal environmental effects match offspring begging to parental provisioning
C. A. Hinde, K. L. Buchanan & R. M. Kilner
Dynamics of seasonal outbreaks of black band disease in an assemblage of Montipora species at Pelorus Island (Great Barrier Reef, Australia)
Y. Sato, D. G. Bourne & B. L. Willis
Wolbachia as populations within individual insects: causes and consequences of density variation in natural populations
R. L. Uncles, L. M. Besser, J. K. Herren & J. James
Fatal attraction: adaptations to prey on native frogs imperil snakes after invasion of toxic toads
M. Hayman, B. L. Phillips & R. Stone
Sea lice and salmon population dynamics: effects of exposure time for migratory fish
M. Krišek, A. Morton, J. P. Volpe & M. A. Lewis
‘Heritability’ of dispersal propensity in a patchy population
B. Doligez, L. Gustafsson & T. Pärt
Old fossils–young species: evolutionary history of an endemic gastropod assemblage in Lake Malawi
R. Schultheiss, B. Van Bocxlaer, T. Wilke & C. Albrecht
A chemical signal of offspring quality affects maternal care in a social insect
F. Mas, K. F. Haynes & M. Kölliker
Food-supplementing parents reduces their sons’ song repertoire size
L. Zanette, M. Clinchy & H.-C. Sung