Review articles
Experimental genomics of fitness in yeast
G. Bell

Research articles
Moonlight avoidance in gerbils reveals a sophisticated interplay among time allocation, vigilance and state-dependent foraging
B. P. Kotler, J. Brown, S. Mukherjee, O. Berger-Tal & A. Bouskila

Induced niche shift as an anti-predator response for an endoparasitoid
F. R. Muratori, S. Borlee & R. H. Messing

Host sanctions and pollinator cheating in the fig tree–fig wasp mutualism
K. C. Jandér & E. A. Hee

Unparalleled rates of species diversification in Europe
I. M. Valente, V. Savolainen & P. Vargas

Molecular markers reveal spatially segregated cryptic species in a critically endangered fish, the common skate (Dipturus batis)

Stochastic atmospheric assistance and the use of emergency staging sites by migrants
J. Shamoun-Baranes, J. Leyrer, E. van Loon, P. Bocher, F. Robin, F. Meunier & T. Piersma

Muscle performance during frog jumping: influence of elasticity on muscle operating lengths
E. Azizi & T. J. Roberts

The twilight zone: ambient light levels trigger activity in primitive ants
A. Narendra, S. F. Reid & J. M. Hemmi

An exceptionally preserved myodocopid ostracod from the Silurian of Herefordshire, UK

Give us the tools and we will do the job: symbiotic bacteria affect olive fly fitness in a diet-dependent fashion
M. Ben-Yosef, Y. Aharon, E. Jurkevitch & B. Yuval

Ions first: Na+ uptake shifts from the skin to the gills before O2 uptake in developing rainbow trout, Oncorhynchus mykiss
C. Fu, J. M. Wilson, P. J. Rombough & C. J. Brauner

Linking species abundance distributions in numerical abundance and biomass through simple assumptions about community structure
P. A. Henderson & A. E. Magurran

Reproductive compensation in broad-nosed pipefish females
I. Braga Goncalves, K. B. Mobley, L. Ahnesjö, G. Sagebakken, A. G. Jones & C. Kvarnemo

Autosomal and X-linked single nucleotide polymorphisms reveal a steep Asian–Melanesian ancestrycline in eastern Indonesia and a sex bias in admixture rates
M. P. Cox, T. M. Karafet, J. S. Lansing, H. Sudoyo & M. F. Hammer

Many hexapod groups originated earlier and withstood extinction events better than previously realized: inferences from supertrees
R. B. Davis, S. L. Baldauf & P. J. Mayhew

Mate choice and mate competition by a tropical hummingbird at a floral resource
E. J. Temeles & W. J. Kress

Correction:
Evolutional trends and palaeobiogeography of the Ordovician trilobite Ovalocephalus Koroleva, 1959
Z. Zhiyi, Y. Wenwei & Z. Zhiqiang