Review articles

Refugia revisited: individualistic responses of species in space and time J. R. Stewart, A. M. Lister, I. Barnes & L. Dalén

Comments and invited replies

Assortment, Hamilton’s rule and multilevel selection P. Bijma & D. K. Aanen

Assortment is a more fundamental explanation for the evolution of altruism than inclusive fitness or multilevel selection: reply to Bijma and Aanen J. A. Fletcher & M. Doebeli

Research articles


Multiple speciation events in an arthropod with divergent evolution in sexual morphology T. Isaa & T. Yamasato


Scaling of swim speed and stroke frequency in geometrically similar penguins: they swim optimally to minimize cost of transport R. van Woesik


Local extinction synchronizes population dynamics in spatial networks S. F. Matter & J. Roland

Ineffective crypsis in a crab spider: a prey community perspective R. Brechbühl, J. Cane & S. Bacher

Inhospitable sweetness: nectar filtering of pollinator-borne inocula leads to impoverished, phylogenetically clustered yeast communities C. M. Herrera, A. Cano, M. I. Pozo & P. Bazaga

Colony fusion and worker reproduction after queen loss in army ants D. J. C. Kronauer, C. Schöning, P. d’Ettorre & J. J. Boomsma

A single wind-mediated mechanism explains high-altitude ‘non-goal oriented’ headings and layering of nocturnally migrating insects A. M. Reynolds, D. R. Reynolds, A. D. Smith & J. W. Chapman

A new transitional sauropodomorph dinosaur from the Early Jurassic of South Africa and the evolution of sauropod feeding and quadrupedalism A. M. Yates, M. F. Bonnan, J. Neveling, A. Chinsamy & M. G. Blackbeard

Damped trophic cascades driven by fishing in model marine ecosystems K. H. Andersen & M. Pedersen

The highly efficient holding function of the mollusc ‘catch’ muscle is not based on decelerated myosin head cross-bridge cycles G. Theisfeld, J. Chastain, M. J. Morell, J. W. McCauley & D. T. Haydon

The relationship between mutation frequency and replication strategy in positive-sense single-stranded RNA viruses S. Galler, J. Litzlbauer, M. Kröss & H. Grassberger