Review. Herbivory: effects on plant abundance, distribution and population growth
J. L. Maron & E. Crone

Evidence that female preferences have shaped male signal evolution in a clade of specialized plant-feeding insects
R. L. Rodríguez, K. Ramaswamy & R. B. Cocroft

Acetylcholinesterase genes within the Diptera: takeover and loss in true flies
E. Huchard, M. Martinez, H. Alout, E. J. P. Douzery, G. Lutfalla, A. Berthomieu, C. Berticat, M. Raymond & M. Well

Developmental response to cold stress in cranial morphology of Rattus: implications for the interpretation of climatic adaptation in fossil hominins
T. C. Rae, U. S. Vigarsdóttir, N. Jeffery & A. T. Steegmann Jr

Rapid adaptive divergence of life-history traits in response to abiotic stress within a natural population of a parthenogenetic nematode
A. Doroszuk, M. W. Wojnowska & J. E. Kammenga

Vitamin D supplementation increases the attractiveness of males’ scent for female Iberian rock lizards
J. Martín & P. López

Deep-sea food bonanzas: early Cenozoic whale-fall communities resemble wood-fall rather than seep communities
S. Kis & J. L. Giedert

Inbreeding and breeding in a social insect: effects of heterozygosity on immunocompetence in the termite Zootermopsis angusticollis

The relationship between migratory behaviour, memory and the hippocampus: an intraspecific comparison
V. V. Pravosudov, A. S. Kitaysky & A. Omanska

Evidence for an apartheid-like social structure in early Anglo-Saxon England
M. C. Thomas, M. P. H. Stumpf & H. Harke

Biotic homogenization and changes in species diversity across human-modified ecosystems
S. M. Smart, K. Thompson, R. H. Marx, M. G. Le Duc, L. C. Maskell & L. G. Firbank

Are algal communities driven toward maximum biomass?
S. I. Pasy & P. Legendre

Rates of nausea and vomiting in pregnancy and dietary characteristics across populations
G. V. Pepper & S. C. Roberts

Stochastic re-calibration: contextual effects on perceived tilt
J. A. Solomon & M. J. Morgan