Review articles

Reelin and apolipoprotein E receptor 2 in the embryonic and mature brain: effects of an evolutionary change in the apoER2 gene
N. B. Myant

Research articles

Ecological constraints and benefits of philopatry promote group-living in a social but non-cooperatively breeding fish
M. Y. L. Wong

Vertical transmission as the key to the colonization of Madagascar by fungus-growing termites?
T. Neisen, P. Eggleton & D. K. Aanen

A look into the invisible: ultraviolet-B sensitivity in an insect (Calothrips phaseoli) revealed through a behavioural action spectrum
C. A. Mazza, M. M. Izaguirre, J. Curiale & C. L. Ballaré

Lower limits of ornithischian dinosaur body size inferred from a new Upper Jurassic heterodontosaurid from North America
R. J. Butler, P. M. Callen, L. B. Porto, L. M. Chiappe, D. M. Henderson & G. M. Erickson

Evidence for modular evolution in a long-tailed pterosaur with a pterodactyloid skull
J. Liu, D. M. Unwin, X. Jin, Y. Liu & Q. J.

Costly major histocompatibility complex signals produced only by reproductively active males, but not females, must be validated by a ‘maleness signal’ in three-spined sticklebacks
M. Nilsen, S. W. Grifflins, T. B. Haush & T. Bohm

Post-glacial redistribution and shifts in productivity of giant kelp forests
M. L. Graham, B. P. Kinlan & R. K. Grosberg

Sex-specific chemical cues from immatures facilitate the evolution of mate guarding in Heliconius butterflies
C. Estrada, S. Yildizhan, S. Schulz & L. E. Gilbert

Joint evolution of multiple social traits: a kin selection analysis
S. P. Brown & P. D. Taylor

Organic preservation of fossil musculature with ultracellular detail
M. McNamara, P. O. Ort, S. L. Kearns, L. Alcalá, P. Aradín & E. Penañero-Mollá

Words as alleles: connecting language evolution with Bayesian learners to models of genetic drift
F. Reali & T. L. Griffiths

Helping effort increases with relatedness in bell miners, but ‘unrelated’ helpers of both sexes still provide substantial care
J. Wight, P. G. McDonald, L. I. Harevde, A. J. N. Kazem & C. M. Bishop

Juvenile sparrows preferentially eavesdrop on adult song interactions
C. N. Templeton, Ç. Akçay, S. E. Campbell & M. D. Beecher

An inducible morphological defence is a passive by-product of behaviour in a marine snail
P. E. Bourdeau

Stochastic evolutionary dynamics of direct reciprocity
L. A. Imhof & M. A. Nowak

Urban noise and the cultural evolution of bird songs
D. Luther & L. Baptista

History-dependent properties of skeletal muscle myofibrils contracting along the ascending limb of the force–length relationship
C. Pun, A. Syed & D. E. Rassier

Conservative ecological and evolutionary patterns in liverwort-fungal symbioses
M. I. Bidartondo & J. G. Duckett

Evolution of box jellyfish (Crideria: Cubozoa), a group of highly toxic invertebrates