Review articles
Ecological consequences of Late Quaternary extinctions of megafauna
C. N. Johnson
The role of natural environments in the evolution of resistance traits in pathogenic bacteria
I. L. Martinez

Research articles
Growing with siblings: a common ground for cooperation or for fiercer competition among plants?
Immunological serotype interactions and their effect on the epidemiological pattern of dengue
M. Recker, K. B. Blyax, C. P. Simmons, T. T. Hien, E. Mills, J. Farrar & S. Gupta
A new basal hadrosaurid dinosaur from the Late Cretaceous of Uzbekistan and the early radiation of duck-billed dinosaurs
H.-D. Sues & A. Averianov
A single origin of Batesian mimicry among hybridizing populations of admiral butterflies (Linanini arthemis) rejects an evolutionary reversion to the ancestral phenotype
W. K. Savage & S. P. Mullen
Arthropod visual predators in the early pelagic ecosystem: evidence from the Burgess Shale and Chengjiang biotas
J. Vanier, D. C. Garcia-Bellido, S.-X. Hu & A.-L. Chen
Evidence from the domestication of apple for the maintenance of autumn colours by coevolution
M. Archetti
Negative density-dependent emigration of males in an increasing red deer population
L. E. Loe, A. Mysterud, V. Veiberg & R. Langvatn
Strength determines coalitional strategies in humans
Reward quality influences the development of learned olfactory biases in honeybees
C. A. Wright, A. F. Choudhary & M. A. Bentley
Signatures of nitrogen limitation in the elemental composition of the proteins involved in the metabolic apparatus
Dietary-dependent trans-generational immune priming in an insect herbivore
D. Freitak, D. G. Heckel & H. Vogel
Many ways to be small: different environmental regulators of size generate distinct scaling relationships in Drosophila melanogaster
A. W. Shingleton, C. M. Estep, E. M. Driscoll & I. Dworkin
Do ants make direct comparisons?
E. J. H. Robinson, F. D. Smith, K. M. E. Sullivan & N. J. Frank
Tensioning the helix: a mechanism for force generation in twining plants
S. Isard, A. R. Cobb, N. M. Holbrook, M. Zwiebaicki & J. Dumas
Social implications of the battle of the sexes: sexual harassment disrupts female sociality and social recognition
S. K. Darden, R. James, I. W. Rammarine & D. P. Croft
The scramble for Africa: pan-temperate elements on the African high mountains
B. Gehrke & H. P. Linder
Dinosaur diversity and the rock record
P. M. Barrett, A. J. McCowan & V. Page
Group differences in the heritability of items and test scores
J. M. Wicherts & W. Johnson