Review articles
The function of the aerenchyma in arborescent lycopsids: evidence of an unfamiliar metabolic strategy
W. A. Green

Comments and invited replies
Are participation rates sufficient to explain gender differences in chess performance?
M. Knapp

Research articles
Projected impacts of climate change on regional capacities for global plant species richness
J. M. Sommer, H. Kreft, G. Kier, W. Jetz, J. Mutke & W. Barthlott

A common perceptual temporal limit of binding synchronous inputs across different sensory attributes and modalities
W. Fujisaki & S. Nishida

Recovery of mechano-electrical transduction in rat cochlear hair bundles after postnatal destruction of the stereociliary cross-links
J. Ebert, S. Fink, A. Koitschev, P. Walther, M. G. Langer & F. Lehmann-Horn

Nanostructure and mechanics of mammified type I collagen from the 5300-year-old Tyrolean Iceman
M. Janko, A. Zink, A. M. Gigler, W. M. Heckl & R. W. Stark

Plant green-island phenotype induced by leaf-miners is mediated by bacterial symbionts
W. Kaiser, E. Huguet, J. Casas, C. Commin & D. Giron

A rift between implicit and explicit conditioned valence in human pain relief learning
M. Andreatta, A. Mühlberger, A. Yarali, B. Gerber & P. Pauli