Review articles
Medical ultrasound: imaging of soft tissue strain and elasticity  
P. N. T. Wells & H.-D. Liang  
Multi-scale computational models of familial hypertrophic cardiomyopathy: genotype to phenotype  
S. G. Campbell & A. D. McCulloch

Research articles
The effect of individual variation on the structure and function of interaction networks in harvester ants  
N. Pinter-Wollman, R. Wollman, A. Guetz, S. Holmes & D. M. Gordon  
Effect of skin hydration on the dynamics of fingertip gripping contact  
T. André, V. Lévesque, V. Hayward, P. Lefèvre & J.-L. Thonnard  
Influence of birth rates and transmission rates on the global seasonality of rotavirus incidence  
Effect of reverse flow on the pattern of wall shear stress near arterial branches  
A. Kazakidou, A. M. Plato, S. J. Sherwin & P. D. Weinberg  
Evolution of social learning when high expected payoffs are associated with high risk of failure  
M. Arbilly, U. Motro, M. W. Feldman & A. Lotem  
Exploring the possibility of early cataract diagnostics based on tryptophan fluorescence  
D. M. Gakamsky, B. Dhillon, J. Babraj, M. Shelton & S. D. Smith  
Novel use of biodegradable casein conduits for guided peripheral nerve regeneration  
S.-W. Huang, C.-C. Tai, F.-S. Tsai, T.-Y. Ho, C.-H. Yao & Y.-S. Chen  
Intracellular pH distribution as a cell health indicator in Saccharomyces cerevisiae  
T. Aabo, J. Glückstad, H. Siegumfeldt & N. Arneborg  
Quantifying selection and diversity in viruses by entropy methods, with application to the haemagglutinin of H3N2 influenza  
K. Pan & M. W. Deem  
Alternative mechanisms of increased eggshell hardness of avian brood parasites relative to host species  
Ambush frequency should increase over time during optimal predator search for prey  
S. Alpern, R. Fokkink, M. Timmer & J. Casas