Research articles

Epileptogenesis due to glia-mediated synaptic scaling
C. Savin, J. Triesch & M. Meyer-Hermann

Application of Fourier transform infrared spectroscopic imaging to the study of effects of age and dietary L-arginine on aortic lesion composition in cholesterol-fed rabbits
F. Palombo, S. G. Cremers, P. D. Weinberg & S. G. Kazarian

Surface force spectroscopic point load measurements and viscoelastic modelling of the micromechanical properties of air flow sensitive hairs of a spider (Cupiennius salei)
M. E. McConney, C. F. Schaber, M. D. Julian, W. C. Eberhardt, J. A. C. Humphrey, F. G. Barth & V. V. Tsukruk

Estimating antiviral effectiveness against pandemic influenza using household data
K. Glass & N. G. Becker

Nonlinear dynamic and pattern bifurcations in a model for spatial patterns in young mussel beds
R.-H. Wang, Q.-X. Liu, G.-Q. Sun, Z. Jin & J. van de Koppel

Nanoscale adhesion, friction and wear studies of biomolecules on silane polymer-coated silica and alumina-based surfaces
B. Bhushan, K. J. Knick, S. Gupta & S. C. Lee