Review. Biomaterials for the central nervous system
Y. Zhong & R. V. Bellamkonda

Review. Formation of magnetite by bacteria and its application
A. Arakaki, H. Nakazawa, M. Nemoto, T. Mori & T. Matsunaga

Dynamic social networks and the implications for the spread of infectious disease
J. M. Read, K. T. D. Eames & W. J. Edmunds

Nanomechanical evaluation of nickel–titanium surface properties after alkali and electrochemical treatments
W. Chrzanowski, E. A. Abou Nefel, D. A. Armitage, K. Lee, W. Walke & J. C. Knowles

Cubic membranes: a structure-based design for DNA uptake
Z. Almsherqi, S. Hyde, M. Ramachandran & Y. Deng

Stochastic extinction and the selection of the transmission mode in microparasites
N. Bahi-Jaber, D. Fouchet & D. Pontier

Automatic identification of bird targets with radar via patterns produced by wing flapping
S. Zaugg, G. Saporta, E. van Loon, H. Schmaljohann & F. Liechti

Genomic expression of mesenchymal stem cells to altered nanoscale topographies
M. J. Dalby, A. Andar, A. Nag, S. Affrossman, R. Tate, S. McFatlane & R. O. C. Greffe

Oxygen mass transfer in a model three-dimensional artery
C. Coppola & C. Caro

Optimal foraging: Lévy pattern or process?
M. J. Park & A. James

Compliance of a microfibril subjected to shear and normal loads
J. Liu, C.-Y. Hui, L. Shen & A. Jagota

Analysis of the sensitivity properties of a model of vector-borne bubonic plague
M. Buzby, D. Neckels, M. F. Antolin & D. Estep

Long-term viability of coronary artery smooth muscle cells on poly(l-lactide-co-ε-caprolactone) nanofibrous scaffold indicates its potential for blood vessel tissue engineering
Y. Dong, T. Yong, S. Liao, C. K. Chan & S. Ramakrishna