Review articles
Biomimicry in textiles: past, present and potential. An overview
L. Eadie & T. K. Ghosh

Research articles
Disease transmission in territorial populations: the small-world network of Serengeti lions
M. E. Craft, E. Volz, C. Packer & L. A. Meyers

The importance of structured noise in the generation of self-organizing tissue patterns through contact-mediated cell-cell signalling
M. Cohen, B. Baum & M. Miodownik

Indoor residual spray and insecticide-treated bednets for malaria control: theoretical synergisms and antagonisms
L. Yakob, R. Dunning & G. Yan

Time-resolved vortex wake of a common swift flying over a range of flight speeds
P. Herringsson, F. T. Mejias & A. Hedstrom

Strong seasonality produces spatial asynchrony in the outbreak of infectious diseases
S. M. Duke-Sylvester, L. Bolzoni & L. A. Real

Dual-resolution molecular dynamics simulation of antimicrobials in biomembranes
M. Orsi, M. G. Noro & J. W. Essex

Nonlinear speech analysis algorithms mapped to a standard metric achieve clinically useful quantification of average Parkinson’s disease symptom severity
A. Tsanas, M. A. Little, P. E. McSharry & L. O. Ramig

Modelling the initial phase of an epidemic using incidence and infection network data: 2009 H1N1 pandemic in Israel as a case study

Barnacles resist removal by crack trapping
C.-Y. Hui, R. Long, K. J. Wahl & R. K. Everett

A probabilistic approach to identify putative drug targets in biochemical networks
E. Murabito, K. Smallbone, J. Swinton, H. V. Westerhoff & R. Steuer

Synthesis and functionalization of superparamagnetic poly-ε-caprolactone microparticles for the selective isolation of subpopulations of human adipose-derived stem cells

Reports
Modelling behavioural contagion
T. House