Review articles
Suspension biomechanics of swimming microbes
T. Ishikawa

Research articles
Effect of the initial dose of foot-and-mouth disease virus on the early viral dynamics within pigs
R. Howey, M. Quan, N. J. Savill, L. Matthews, S. Alexandersen & M. Woolhouse

Modelling the effectiveness and risks of vaccination strategies to control classical swine fever epidemics
J. A. Backer, T. J. Hagenaa, H. J. W. van Roermund & M. C. M. de Jong

Maturation of high-density lipoproteins
A. Y. Steh, S. G. Sigset & K. Schulten

Hydroxyapatite coating of cellulose sponges attracts bone-marrow-derived stem cells in rat subcutaneous tissue
M. Tommila, A. Jokilammi, P. Terho, T. Wilson, R. Penttinen & E. Ekholm

PolarMapper: a computational tool for integrated visualization of protein interaction networks and mRNA expression data
J. P. Gonçalves, M. Graó & A. X. C. N. Valente

Sick and edgy: walk-counting as a metric of epidemic spreading on networks
D. C. Wyile & W. M. Getz

A finite dissipative theory of temporary interfibrillar bridges in the extracellular matrix of ligaments and tendons
P. Carletta & M. Ben Amar

Stochastic dynamics and non-equilibrium thermodynamics of a bistable chemical system: the Schlögl model revisited
M. Vellela & H. Qian

Modelling control of epidemics spreading by long-range interactions
B. Dybiec, A. Kleczkowski & C. A. Gilligan

Reports
Hygromorphs: from pine cones to biomimetic bilayers
E. Reyssat & L. Mahadevan