Review articles

- Determinants of cell-matrix crosstalk at the interface: towards engineering of cell instructive materials
  - M. Vertesy, F. Causà & P. A. Neto (2017)

Research articles

- Floquet stability analysis of the longitudinal dynamics of two hovering model insects
  - J. H. Wu & M. Sun (2013)

- Impartances of initial aortic properties on the evolving regional aortic anisotropy, stiffness and wall thickness of standard atherosclerotic aneurysms
  - J. S. Wilson, S. Bank & J. D. Humphrey (2017)

- Single and mixed poloxamine micelles as nanocarriers for solidification and sustained release of ethosuximide for topical glaucoma therapy

- Identification of intermittent control in man and machine

- Prediction of invasion from the early stage of an epidemic

- Balancing on tightropes and slacklines
  - F. Facetti & I. Marakani (2017)

- Acute inflammatory response to cobalt chromium orthopaedic wear debris in a rodent air-pouch model

- Assessing the impact of marine wind farms on birds through movement modelling

- Dynamics and processing in finite self-similar networks
  - S. Dolecek & D. C. Krakauer (2017)

- Apatite-forming ability of titanium in terms of pH of the exposed solution

- A methodology for global-sensitivity analysis of time-dependent outputs in systems biology modelling

- Multifractal signatures of infectious diseases

- Modelling deuterium labelling of lymphocytes in vivo with temporal and/or kinetic heterogeneity

- Label-free magnetic resonance imaging to locate live cells in three-dimensional porous scaffolds

- Structure and physical properties of alluvial loam coccoons

- Assessing the impact of adherence to anti-retroviral therapy on treatment failure and resistance evolution in HIV

- A photonic heterostructure produces diverse iridescent colours in duck wing patches

- Identifying individual DNA species in a complex mixture by precisely measuring the spacing between nicking restriction enzymes with atomic force microscope

- Brownian motion or Lévy walk? Stepping towards an extended statistical mechanics for animal locomotion

- Common structure in the heterogeneity of competition–colonization trade-off promotes coexistence of low-virulence viral strains

- The influence of altruism on influenza vaccination decisions
  - D. C. Forney & D. H. Rothman (2017)

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