## 2010 Anniversary Series

Macromolecular crystallography at synchrotron radiation sources: current status and future developments

E. M. H. Duke & L. N. Johnson

### Research articles

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- Reconstruction of potential energy profiles from multiple rupture time distributions
  
  P.-W. Fok & T. Chou

- Impingement of liquid jets at atmospheric and elevated pressures: an observational study using paired water jets or water and methylcyclohexane jets
  
  N. Yasuda, R. Yamamura & Y. H. Mori

- Natural catalytic activity in a marine shale for generating natural gas
  
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- Infinite-dimensional numerical linear algebra: theory and applications
  
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- Suppression of curvature in nematic elastica
  
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- Time-domain approach to the forward scattering sum rule
  
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- Asymptotic formulae for implied volatility in the Heston model
  
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- The square root depth wave equations
  

- Predicting the onset of high-frequency self-excited oscillations in elastic-walled tubes
  
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- On certain sums over the non-trivial zeta zeroes
  
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