

## REVIEWS

### Metathesis

1

T. Perrier,\* P. Saulnier, J.-P. Benoit

**Methods for the Functionalisation of Nanoparticles: New Insights and Perspectives**

## COMMUNICATIONS

### Molecular Dynamics Simulations

E. Kuprusevicius, R. Edge, H. Gopee, A. N. Cammidge, E. J. L. McInnes, M. R. Wilson, V. S. Oganessian\*

**Prediction of EPR Spectra of Liquid Crystals with Doped Spin Probes from Fully Atomistic Molecular Dynamics Simulations: Exploring Molecular Order and Dynamics at the Phase Transition**

### Energy Storage

L. Ji, Z. Lin, B. Guo, A. J. Medford, X. Zhang\*

**Assembly of Carbon-SnO<sub>2</sub> Core-Sheath Composite Nanofibers for Superior Lithium Storage**

### Fluorescent Probes

H. Kashida, K. Sekiguchi, H. Asanuma\*

**Insulator Base Pairs for Lighting-up Perylene-3,4,9,10-tetracarboxylic diimide in a DNA Duplex**

## FULL PAPERS

### Organogels

2

S.-T. Lam, V. W.-W. Yam\*

**Synthesis, Characterisation and Photo-physical Study of Alkynylrhodium(I) Tricarbonyl Diimine Complexes and Their Metal-Ion Coordination-Assisted Metallogelation Properties (Cover picture)**

### Chiral Assembly

3

P. Donovan, A. Robin, M. S. Dyer, M. Persson,\* R. Raval\*

**Unexpected Deformations Induced by Surface Interaction and Chiral Self-Assembly of Co<sup>II</sup>-Tetraphenylporphyrin (Co-TPP) Adsorbed on Cu(110): A Combined STM and Periodic DFT Study**

### Photochemistry

4

M. Baroncini, S. Silvi, M. Venturi, A. Credi\*

**Reversible Photoswitching of Rotaxane Character and Interplay of Thermodynamic Stability and Kinetic Lability in a Self-Assembling Ring-Axle Molecular System**

### Inclusion Complexes

H. Nobukuni, Y. Shimazaki, H. Uno, Y. Naruta, K. Ohkubo, T. Kojima, S. Fukuzumi, S. Seki, H. Sakai, T. Hasobe, F. Tani\*

**Supramolecular Structures and Photo-electronic Properties of the Inclusion Complex of a Cyclic Free-Base Porphyrin Dimer and C<sub>60</sub>**

