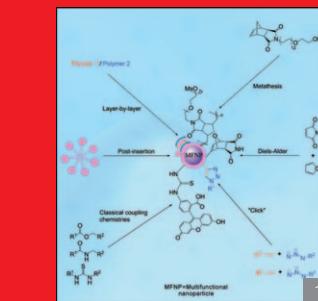


REVIEWS

Metathesis

T. Perrier,* P. Saulnier, J.-P. Benoît

Methods for the Functionalisation of Nanoparticles: New Insights and Perspectives



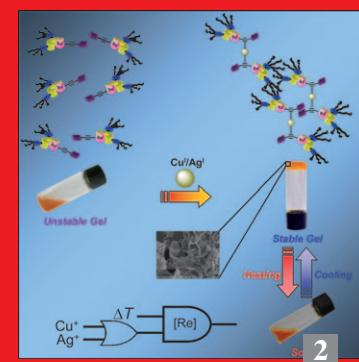
1

COMMUNICATIONS

Molecular Dynamics Simulations

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

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



2

Energy Storage

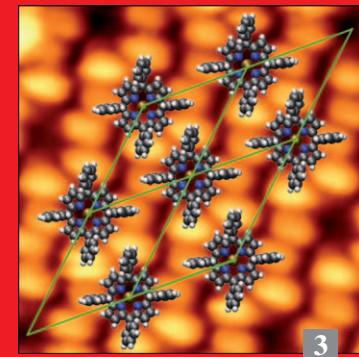
L. Ji, Z. Lin, B. Guo, A. J. Medford,
X. Zhang*

Assembly of Carbon-SnO₂ Core-Sheath Composite Nanofibers for Superior Lithium Storage

Fluorescent Probes

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

Insulator Base Pairs for Lighting-up Perylenediimide in a DNA Duplex



3

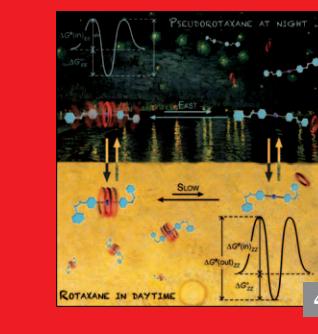
FULL PAPERS

Organogels

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)

Unexpected Deformations Induced by Surface Interaction and Chiral Self-Assembly of Co^{II}-Tetraphenylporphyrin (Co-TPP) Adsorbed on Cu(110): A Combined STM and Periodic DFT Study



4

Photochemistry

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

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 C₆₀