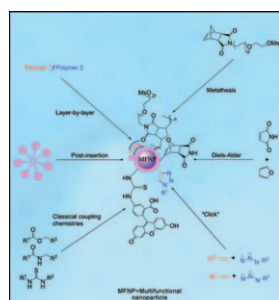
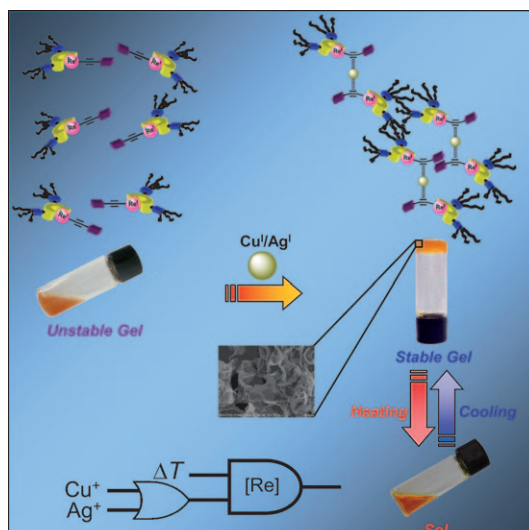


### Review

Methods for the Functionalisation of Nanoparticles:  
New Insights and Perspectives  
T. Perrier et al.

## Several ion-responsive...

... alkynylrhenium(I) tricarbonyl diimine metallogelators have been designed. The sol-gel transitions and luminescence turn-on switching are induced by silver(I) or copper(I) ion coordination. This luminescent supramolecular gel assembly process can also be considered as a molecular AND logic gate. For more details see the Full Paper by V. W.-W. Yam and S.-T. Lam on page 11588 ff.

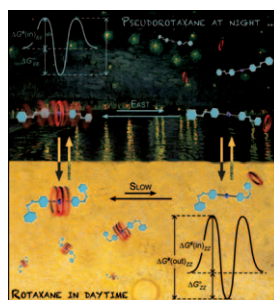


### Colloidal Systems

In their Review on page 11516 ff., T. Perrier et al. describe the developments in the field of multifunctional nanoparticles. A combination of techniques (formulation and post-modification) can create advanced colloidal systems with unique properties for use in a multitude of applications.

### Reversible Photoswitching

In their Full Paper on page 11580 ff., A. Credi et al. discuss a self-assembling system that reversibly interconverts between a thermodynamically stable pseudorotaxane form and a kinetically inert rotaxane form upon light irradiation.



### Energy Storage

In their Communication on page 11543 ff., X. Zhang et al. describe the preparation of carbon-SnO<sub>2</sub> core-sheath composite nanofibers in a controllable fashion through simple and convenient electrospinning and electrodeposition strategies. These special structures show excellent electrochemical performance, such as high Li storage capacity, long charge-discharge cycle life, and increased rate performance.

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