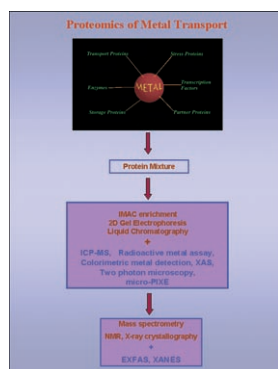
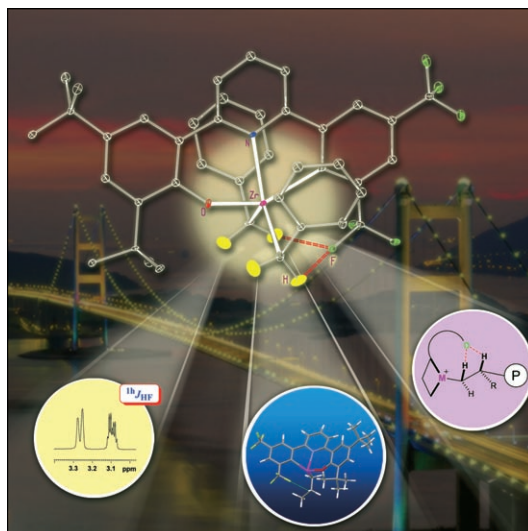


The Tsing Ma Bridge...

... in Hong Kong is the world's longest road-and-rail suspension bridge. The C–H...F–C interaction or 'hydrogen bridge' is one of the weakest and most controversial hydrogen bonds to be proposed. As described in their Full Paper on page 2607 ff., M. C. W. Chan, J. M. Cole et al. have investigated the C–H...F–C contacts in a post-metallocene catalyst by means of a neutron diffraction study, multinuclear NMR spectroscopy, and DFT calculations. Excellent activities and high co-monomer incorporations for olefin polymerization have been observed.

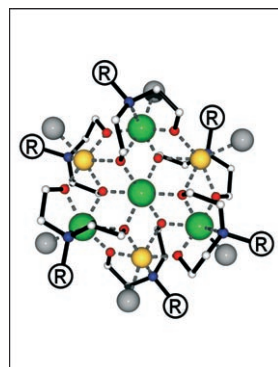
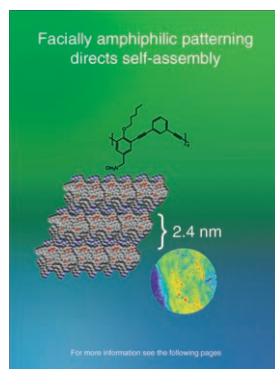


Essential for Life or Toxic?

In their Concept article on page 2410 ff., B. Sarkar et al. describe a proteomics strategy for the analysis of metal-transporting and metal-binding proteins. The approach has great potential to uncover how a large number of proteins function in normal or metal-associated diseases and to understand the intracellular metal metabolism.

Self-Assembly

By patterning *meta*-phenylene ethynylene backbones with polar and nonpolar groups at precise locations, directed self-assembly into bilayered lamellae was achieved, as described by G. N. Tew et al. in their Full Paper on page 2423 ff. This patterning facilitates the phase separation of the two disparate (polar and nonpolar) chemical functions, resulting in the organization of the molecules into bilayers that further assemble into stacked domains.



Metallic Wheels

In their Full Paper on page 2428 ff., R. W. Saalfrank, R. Prakash et al. describe the synthesis and characterization of three new heterometallic, heptanuclear, metal-centered, six-membered, mixed-valent anionic wheels $[PPh_4][Fe^{III}C[Fe^{III}_2Mn^{II}_4Cl_6(L^1)_6]]$ (**1**) and $[PPh_4]\{Mn^{II}C[Mn^{II}_3In^{III}_3Cl_6(L^1)_6]\}$ (**2**), and neutral wheel $\{Mn^{II}C[Mn^{II}_2In^{III}_4Cl_6(L^1)_6]\}$ (**3**). The structures of the complexes **1–3** were solved by the combination of FAB-mass spectrometry, single-crystal X-ray analysis, cyclic voltammetry, and Mössbauer spectroscopy.

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