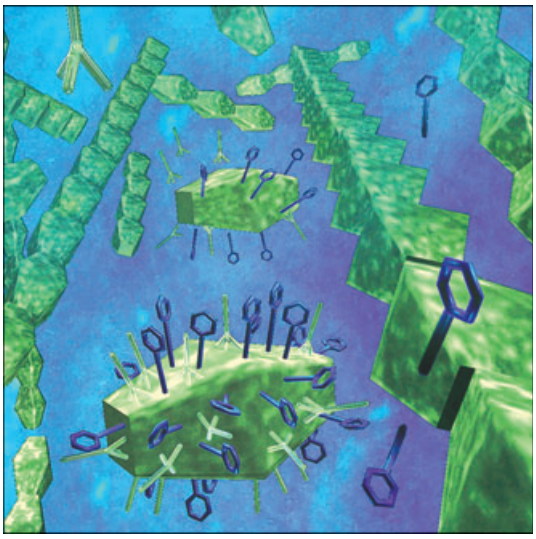
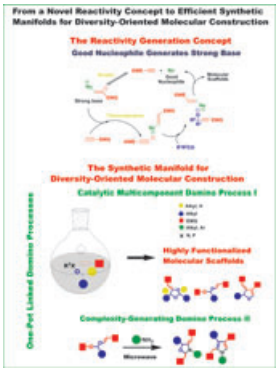
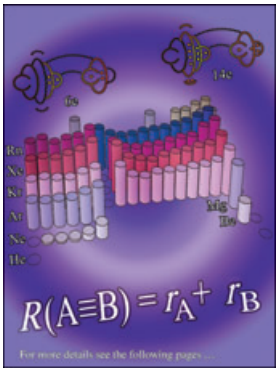
… of titania nanocrystals, represented by surface-functionalized octahedra in the cover picture, are found to spontaneously assemble into highly anisotropic nanostructures by means of oriented attachment in the [001] direction.
M. Niederberger et al. describe the assembly behavior of preformed titania nanopowders in terms of the type of organic "assembler" molecule bound to the crystal surface in their article on page 3541 ff.

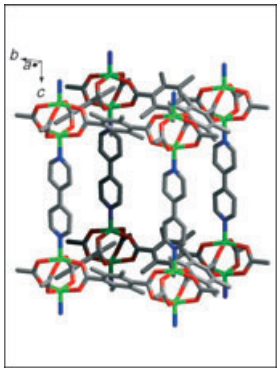




Domino Reactions
The organocatalytic generation of a strong base by the action of a good nucleophile is used as the basis for the in situ catalytic generation of conjugated acetylides in the presence of aldehydes or activated ketones. F. García-Tellado et al. describe the application of this method in a multicomponent, domino format in their Concept article on page 3502 ff.

When is a Bond a Triple Bond?
In their Full Paper on page 3511 ff, P. Pyykkö et al. try to push the concept of a triple bond to its reasonable limits. A data set (ranging from Be to eka-Hg) of additive covalent radii for $\sigma^2\pi^4$ triple bonds, $R(A{\equiv}B)$, is proposed. These radii have a potential predictive value when assessing homo- or heteronuclear triple bonds, many still unknown.





Microporous Materials
The Full Paper by K. Kim et al. on page 3521 ff describes the synthesis and characterization of a series of three-dimensional metal-organic frameworks in which dinuclear paddle-wheel units are connected by linear linkers and diamine pillars.

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