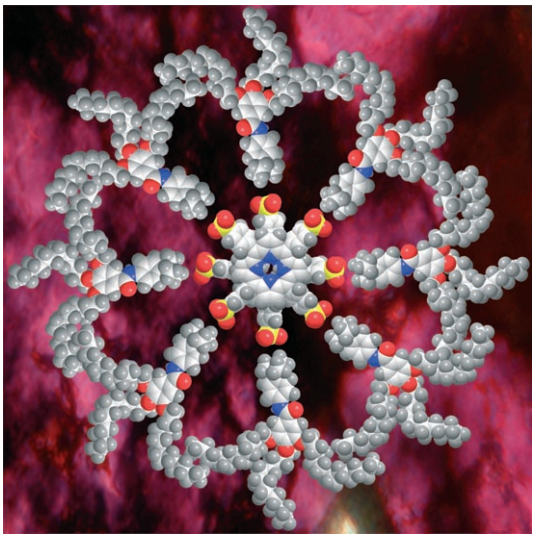
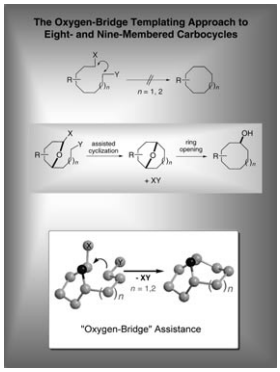
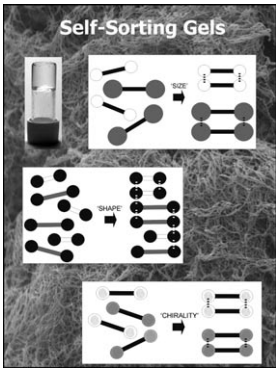
CHEMISTRY
A EUROPEAN JOURNAL

… has been used for the formation of well-defined columnar mesophases. In their Full Paper on page 2189 ff., F. Camerel, R. Ziessel et al. discuss a new electrostatic "LEGO" system from wedge-shaped ammonium amphiphiles and negatively charged functional molecules. The cover shows an assembly based upon a porphyrin derivative observed by means of optical microscopy between crossed polarizers.

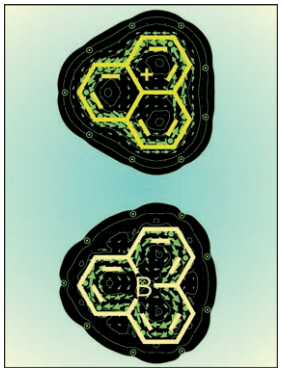




Cyclization
In their Concept article on page 2172 ff., J. L. Mascareñas and F. López describe how the combination of modern transition-metal-catalyzed reactions with oxygen-bridge templated carbocyclization processes has led to the development of several powerful and practical methods to construct eight- and nine-membered carbocycles.



Dendritic Peptides
In their Full Paper on page 2180 ff., D. K. Smith et al. describe the ability of dendritic peptides with subtle differences on the molecular scale to form nanoscale structures through self-assembly.



Aromaticity
In their Full Paper on page 2201 ff., P. W. Fowler, L. W. Jenneskens et al. describe the aromatic ring currents of a 13-carbon-phenalene molecule, in which three hexagonal rings are fused at a central vertex. They have found that isoelectronic replacement of the central atom by either boron or nitrogen leads to an antiaromatic current. They have used the ipsocentric approach to account for all of the aromaticity patterns generated.