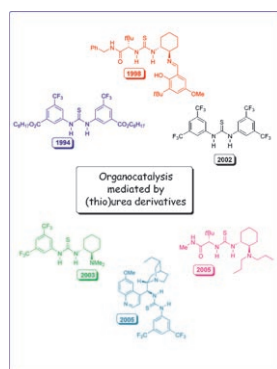
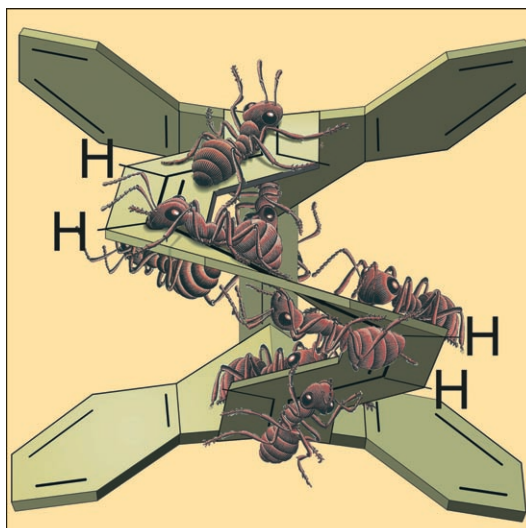


To stabilize the twist...

... a bianthraquinodimethane unit was introduced to cyclic conjugated molecules, resulting in the first Möbius type structures (shown). In their Full Paper on page 5434 ff., R. Herges et al. describe the synthesis and characterization of several annulene isomers and investigations into the energy, geometric, and magnetic parameters.

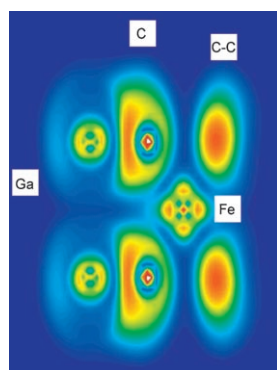
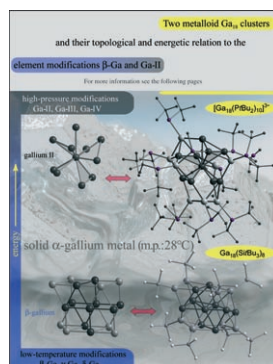


Asymmetric Catalysis

In his Concept article on page 5418 ff., S. J. Connon describes the development of urea and thiourea organocatalysts over the last decade. It has now been demonstrated that these materials can serve as conformationally rigid catalyst templates that are tunable from both steric and electronic standpoints to a considerable degree, and which, when suitably substituted, can efficiently transfer stereochemical information to the products of a diverse array of addition reactions.

Gallium Cluster Compounds

In their Full Paper on page 5429 ff., H. Schnöckel and J. Steiner report on the structural elucidation of the cluster anion $[Ga_{18}(P^tBu_2)_{10}]^{3-}$ and discuss its importance for the so-far unique structural systematics of metalloidal gallium cluster compounds. In particular, the parameters for the synthesis of such metalloidal clusters are instrumental in determining the reaction pathway that results in one of the seven different modifications of elemental gallium.



Gallium-Bridged Ferrocenophanes

From a synthetic point of view, the preparation of a molecule representing a “molecular-level carousel” is challenging. In their Full Paper on page 5471 ff., P. Jutzi et al. describe the synthesis, bonding, structure, and coordination chemistry of a new class of trinuclear gallium-bridged ferrocenophane compounds.

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