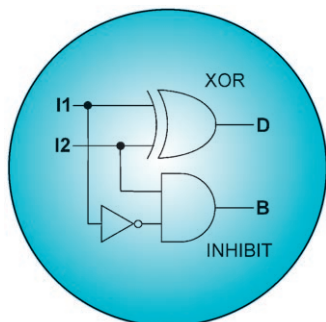
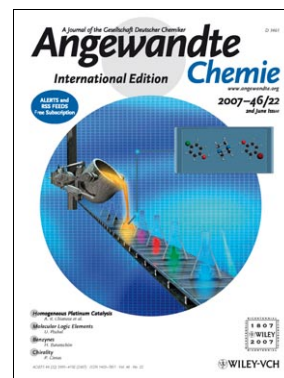


# Cover Picture

Marta Dabros, Paul R. Emery, and Venkat R. Thalladi\*

**Organic alloys** can be prepared by crystallizing 1,4-diazabicyclo[2.2.2]octane (DABCO) in the presence of up to three different 4-substituted phenols, as described by V. R. Thalladi et al. in their Communication on page 4132 ff. The repeat unit of these solids is a trimolecular assembly: a central DABCO molecule connected to two peripheral phenol molecules (see structure). Substitution of the different phenols with one another leads to ternary and quaternary solid solutions.

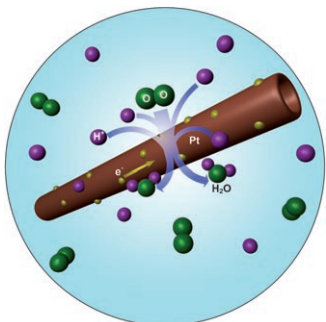
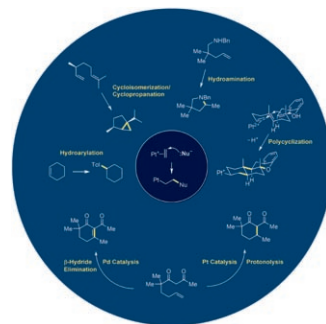


## Molecular Devices

All common logic operations can be mimicked with molecular devices. In his Minireview on page 4026 ff., U. Pischel describes adding and subtracting systems and provides an overview of the current status of the field of molecular logic.

## Homogeneous Platinum Catalysts

The electrophilic activation of alkenes by transition-metal catalysts is the fundamental step in a rapidly growing number of catalytic processes. A. R. Chianese et al. describe the particular reactivity profile of platinum catalysts, complementing the well-known palladium catalysts, in their Review on page 4042 ff.



## Oxygen Reduction

Electrocatalysts for oxygen reduction in proton exchange membrane fuel cells tend to have low durability. Y. S. Yan and co-workers describe in their Communication on page 4060 ff. how platinum nanotubes can be used to overcome this problem.