

A Journal of the Gesellschaft Deutscher Chemiker

# Angewandte Chemie

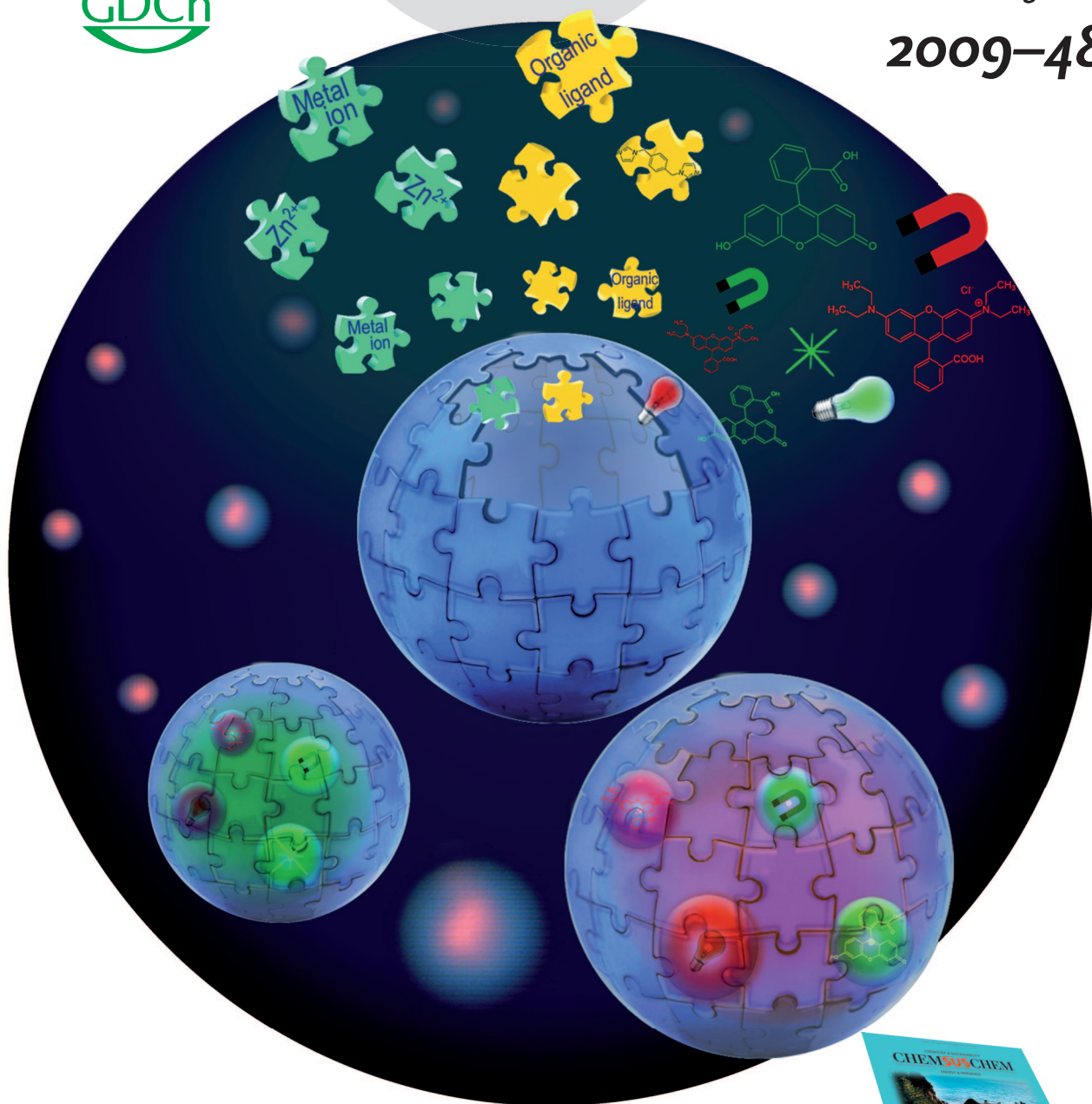
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**Covalent Capture**

P. Scrimin and L. J. Prins

**Liebeskind–Srogl Coupling**

C. O. Kappe and H. Prokopcová

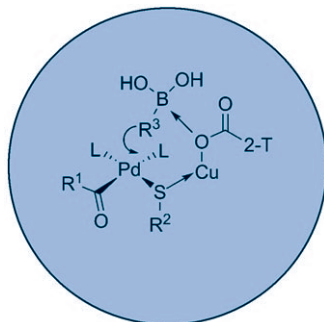
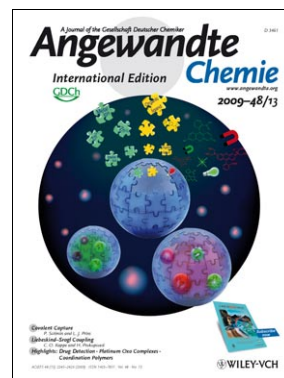
**Highlights: Drug Detection • Platinum Oxo Complexes • Coordination Polymers**



## Cover Picture

**Inhar Imaz, Jordi Hernando, Daniel Ruiz-Molina, and Daniel Maspoch\***

**The infinite coordination polymerization** of metal ions and multitopic organic ligands is explored to fabricate metal–organic micro- and nanospheres that can be used as functional matrices. In their Communication on page 2325 ff., D. Maspoch and co-workers show how this simple process affords spheres that encapsulate active substances, such as magnetic nanoparticles, organic dyes, and quantum dots, to result in multifunctional spheres. Marianne Verdoux is thanked for the cover graphic design.

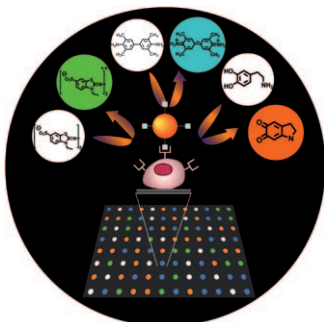


### **C–C Coupling**

C. O. Kappe and H. Prokopcová examine developments in the Liebeskind–Srogl coupling of organosulfur with organometallic reagents in their Minireview on page 2276 ff., and show how this Pd<sup>0</sup>/Cu<sup>I</sup>-mediated reaction complements traditional cross-coupling methods.

### **Supramolecular Chemistry**

When a supramolecular interaction leads to the formation of a covalent bond, it is known as covalent capture. In their Review on page 2288 ff., L. J. Prins and P. Scrimin show how this principle is applicable to numerous areas.



### **Cerium Oxide Nanoparticles**

At slightly acidic pH values, ceria nanoparticles oxidize organic substrates without needing oxidizing agents such as H<sub>2</sub>O<sub>2</sub>. Potential applications of the nanoparticles are described by J. M. Perez and co-workers in their Communication on page 2308 ff.