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# Angewandte Chemie

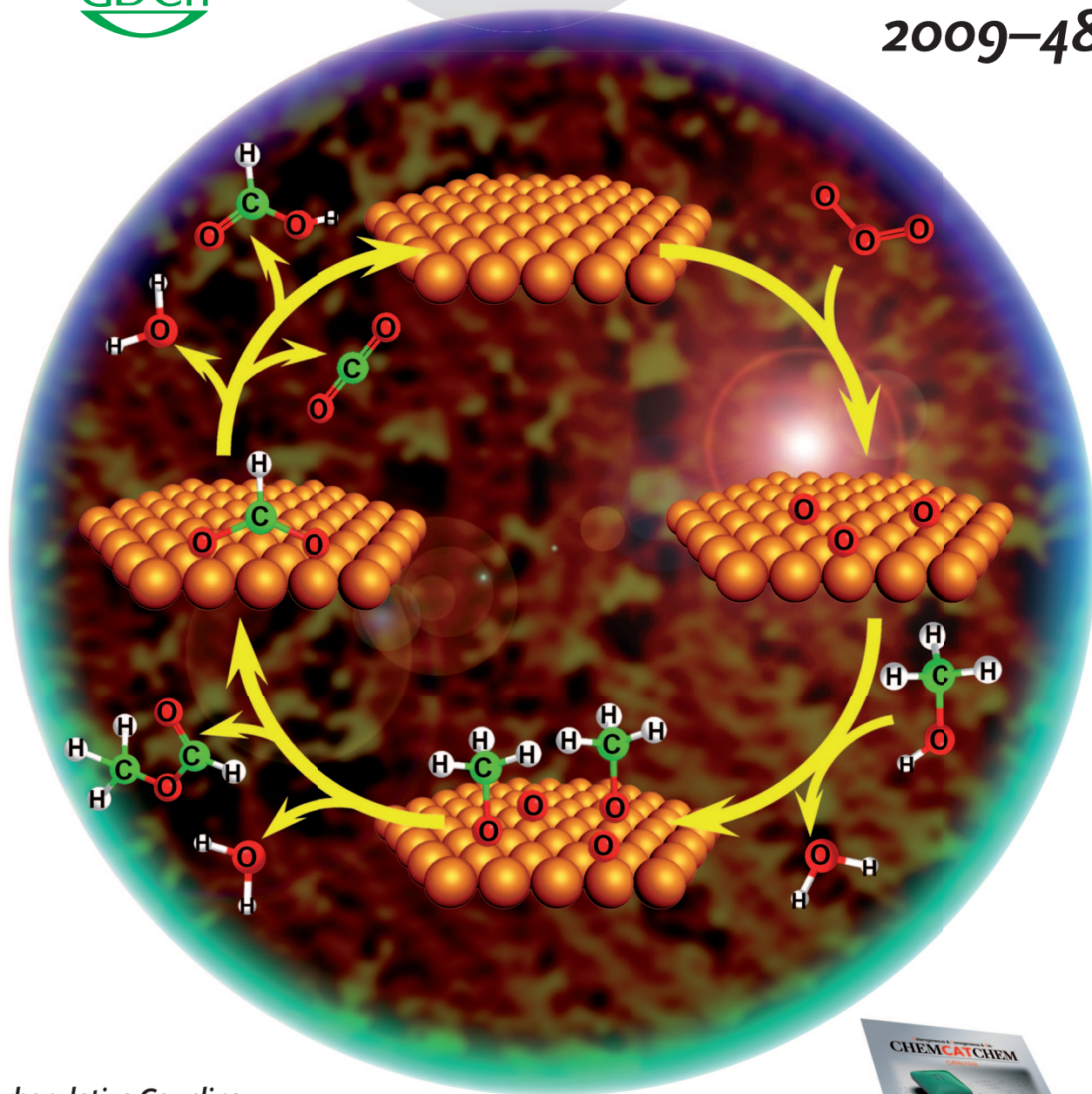
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**Carbonylative Coupling**

M. Beller and co-workers

**Hydrocarboxylation of Allenes**

M. North

**Exploding Nanoparticles**

L. Dähne

**Zinc Cluster or Zinc ligands?**

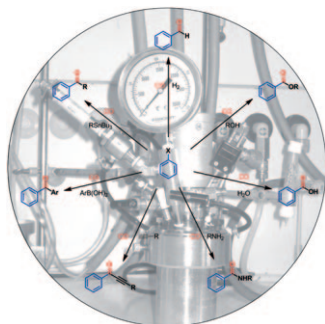
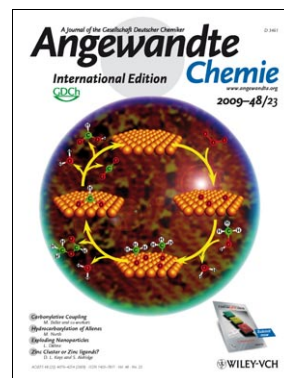
D. L. Kays and S. Aldridge



## Cover Picture

**Bingjun Xu, Xiaoying Liu, Jan Haubrich, Robert J. Madix, and Cynthia M. Friend\***

**Atomic oxygen adsorbed on metallic gold** promotes the low-temperature transformation of methanol to methyl formate, formaldehyde, and formic acid. The reactions occur with oxygen-containing gold nanoparticles (ca. 2 nm in diameter), which form when Au(111) is oxidized with ozone. The detailed reaction mechanism is discussed by C. M. Friend and co-workers in the Communication on page 4206 ff.

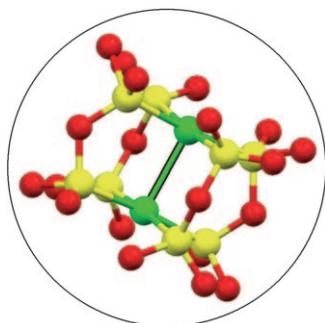
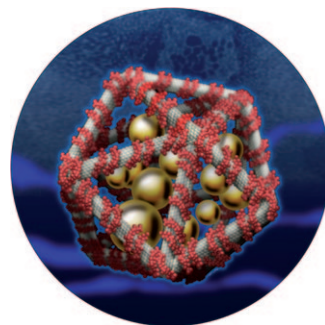


### **Carbonylative Coupling**

M. Beller and co-workers describe in their Review on page 4114 ff. the newest developments in the palladium-catalyzed carbonylation of aryl halides and related substrates. The substrate spectrum of this approach and a series of applications are introduced.

### **DNA Technology**

In their Communication on page 4137 ff., Y. Krishnan and co-workers show how gold nanoparticles can be encapsulated from solution by the amalgamation of DNA modules that form icosahedra.



### **Excited-State Structures**

The use of time-resolved X-ray scattering measurements to study bimolecular reactions occurring on very short time scales in solution is reported in the Communication by N. Harrit, M. M. Nielsen, and co-workers on page 4180 ff.