

A Journal of the Gesellschaft Deutscher Chemiker

# Angewandte Chemie

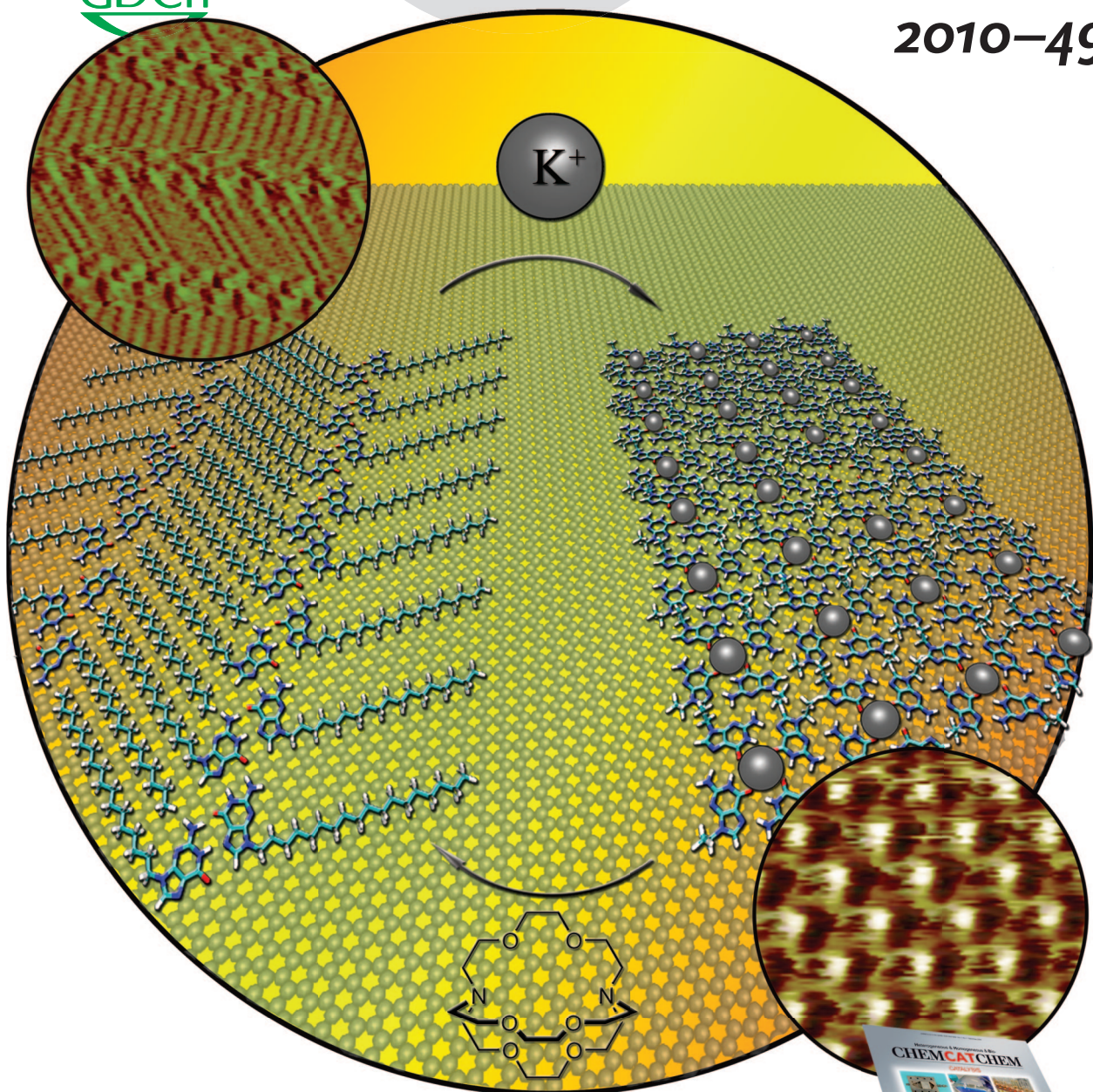
International Edition

D 3461

GDCh

[www.angewandte.org](http://www.angewandte.org)

2010–49/11



**Inorganic Nanostructures**

N. L. Rosi and C.-L. Chen

**Supramolecular Catalysis**

J. Lacour and D. Rix

**Multiferroic Materials**

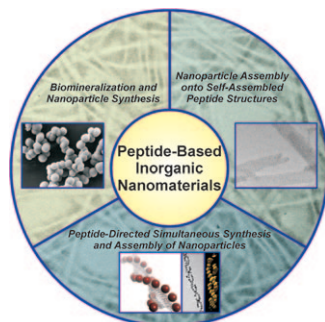
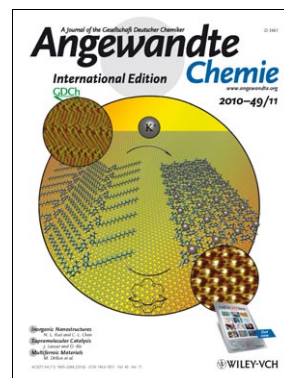
M. Drillon et al.



## Cover Picture

Artur Ciesielski, Stefano Lena, Stefano Masiero, Gian Piero Spada,\*  
and Paolo Samorì\*

**Dynamers in action** can be observed with responsive supramolecular architectures on surfaces. In their Communication on page 1963 ff., G. P. Spada, P. Samorì, and co-workers report how scanning tunneling microscopy was used to achieve submolecular-scale visualization of the metal-templated reversible assembly/reassembly process of *N*<sup>9</sup>-alkylguanine monolayers. Changes in pH switch the resulting structures from highly ordered quartets to ribbons.

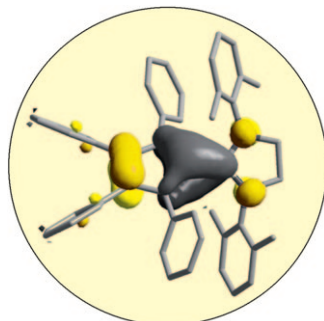
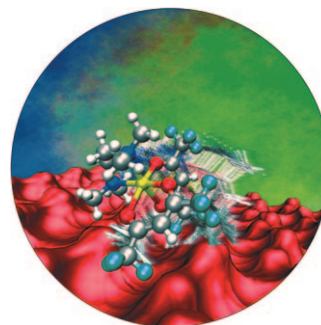


### Peptides in Nanostructure Synthesis

Peptides are ideal agents to direct the formation and aggregation of inorganic nanostructures because of their molecular recognition and self-assembly capabilities. The current status of the research is summarized by N. L. Rosi and C.-L. Chen in their Review on page 1924 ff.

### Surface Chemistry

The theoretical modeling of the first activation stages of a Cu complex on top of a heated surface is reported by G. Tabacchi and co-workers in their Communication on page 1944 ff. Both slow diffusion and a fast motion were shown to occur during the activation.



### NHC-Stabilized Borole Anions

A  $\pi$ -nucleophilic boron atom, which is a rare example in the chemistry of boryl anions, is a characteristic feature of the boracycles described by H. Braunschweig et al. in their Communication on page 2041 ff.<sup>^</sup>