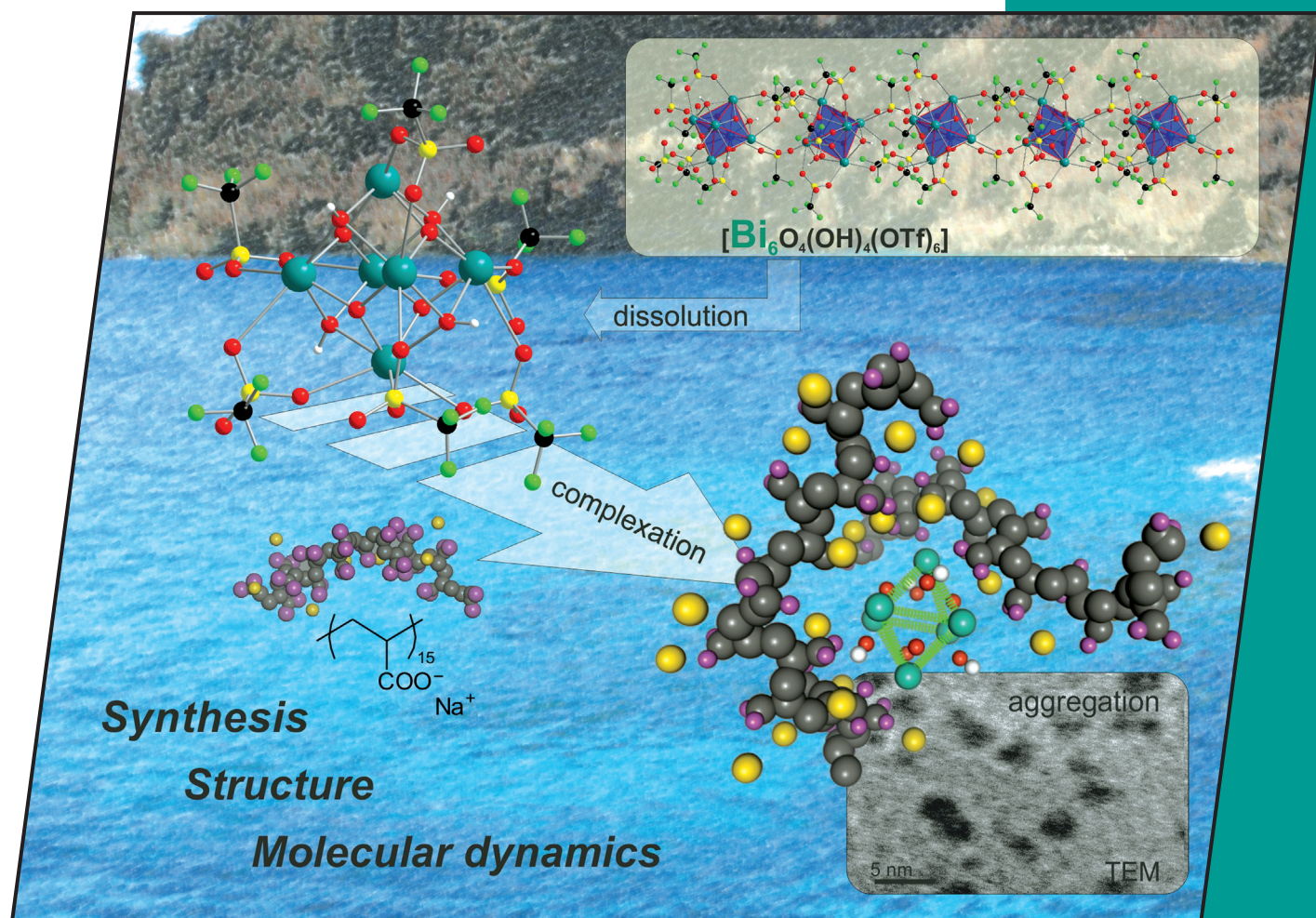


30/2010  
3rd October Issue

**EurJIC**  
European Journal of  
Inorganic Chemistry



**Cover Picture**

Dirk Zahn, Michael Mehring et al.

A Novel Water-Soluble Hexanuclear Bismuth Oxido Cluster

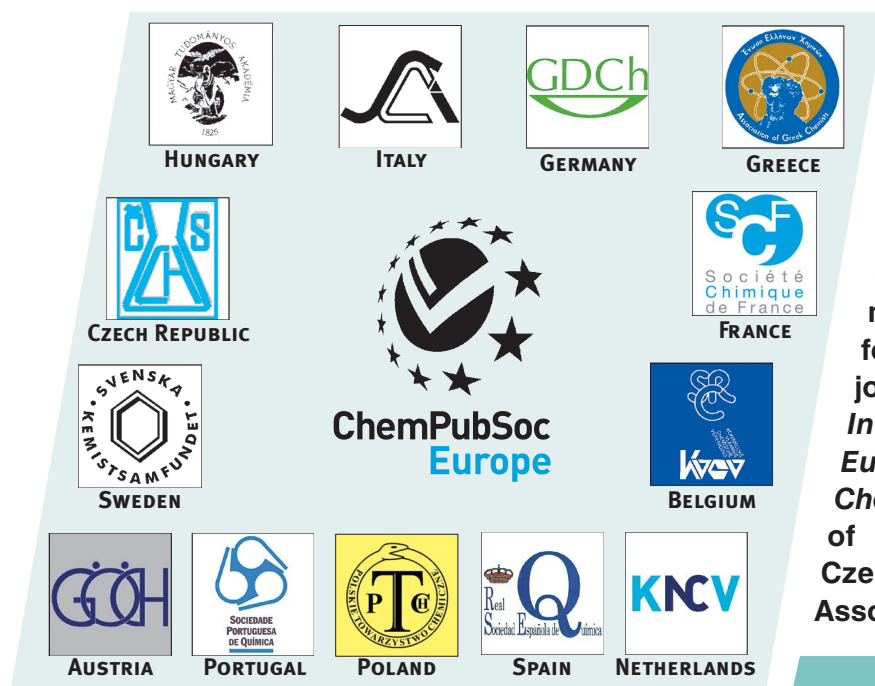
A Journal of



**ChemPubSoc**  
Europe

**WILEY-VCH**

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



EurJIC is co-owned by 11 societies of ChemPubSoc Europe, a union of European chemical societies for the purpose of publishing high-quality science. All owners merged their national journals to form two leading chemistry journals, the *European Journal of Inorganic Chemistry* and the *European Journal of Organic Chemistry*. Three further members of ChemPubSoc Europe (Austria, Czech Republic and Sweden) are Associates of the two journals.

Other ChemPubSoc Europe journals are *Chemistry – A European Journal*, *ChemBioChem*, *ChemPhysChem*, *ChemMedChem*, *ChemSusChem* and *ChemCatChem*.

## COVER PICTURE

The cover picture shows a novel hexanuclear bismuth oxido cluster  $[\text{Bi}_6\text{O}_4(\text{OH})_4(\text{OTf})_6]$ , which forms a 1D coordination polymer in the solid state but is highly soluble in water and polar organic solvents. The reaction of the bismuth oxido cluster with sodium polyacrylate gave a nano-sized hybrid material still soluble in aqueous solution. A snapshot from a molecular dynamics simulation is shown as an example of the apparent complexation of  $[\text{Bi}_6\text{O}_4(\text{OH})_4]^{6+}$  by polyacrylate in water. The synthesis and structure of  $[\text{Bi}_6\text{O}_4(\text{OH})_4(\text{OTf})_6]$  as well as its complexation with polyacrylate are reported in the article by D. Zahn, M. Mehning et al. on p. 4763ff.

