

A Journal of the Gesellschaft Deutscher Chemiker

# Angewandte Chemie

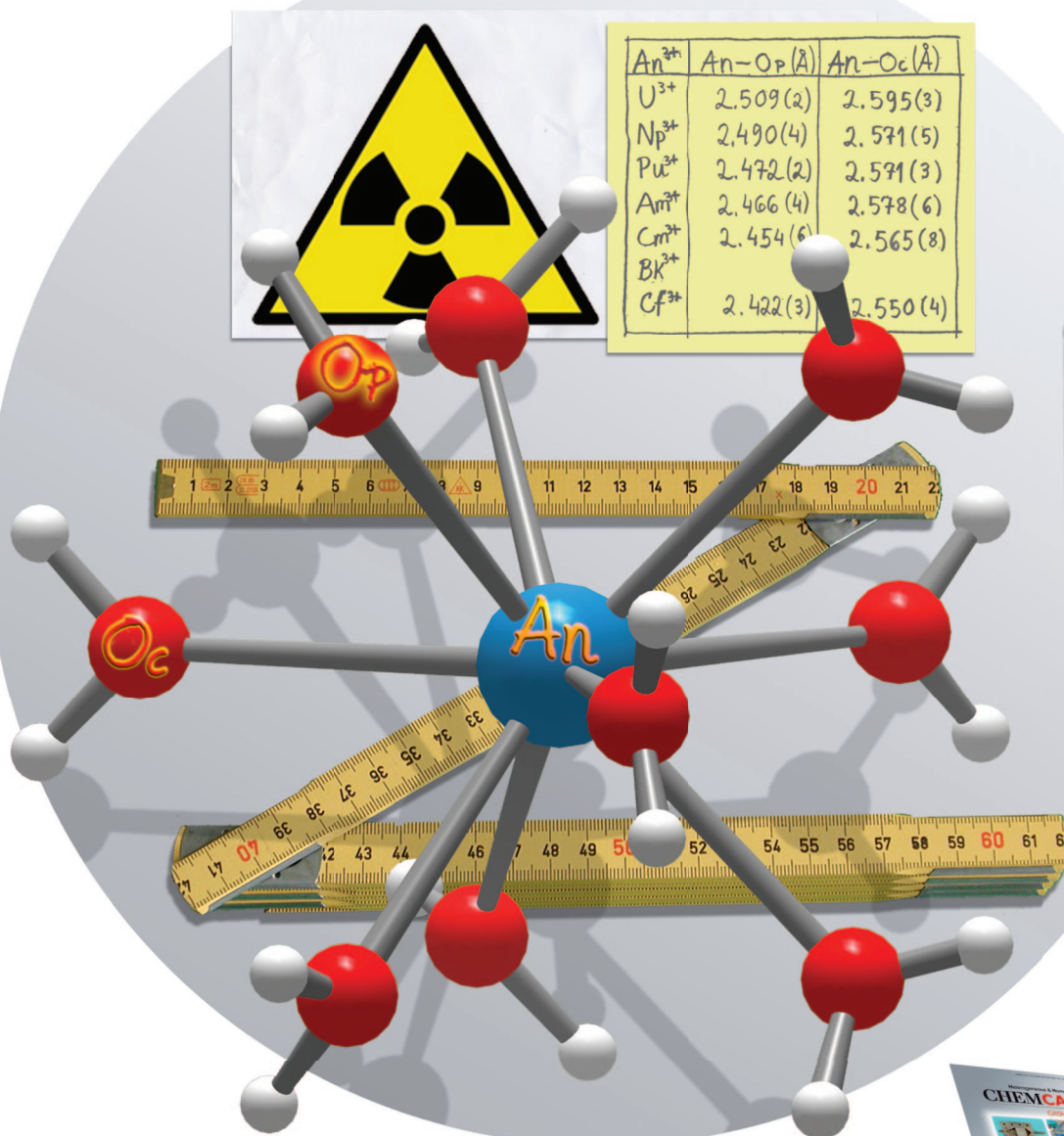
International Edition

D 3461



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

2010–49/36



**Microfluidics in Inorganic Chemistry**

A. Abou-Hassan, V. Cabuil, and O. Sandre

**PEG in Drug Transport**

U. S. Schubert et al.

**MOFs for Biology and Medicine**

R. E. Morris, C. Serre et al.

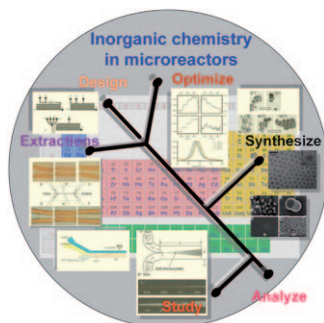
**Highlights: Catalytic CO<sub>2</sub> Hydrogenation • RNA Interference**



## Cover Picture

**Christos Apostolidis, Bernd Schimmelpfennig, Nicola Magnani, Patric Lindqvist-Reis,\* Olaf Walter, Richard Sykora, Alfred Morgenstern, Eric Colineau, Roberto Caciuffo, Reinhardt Klenze, Richard G. Haire, Jean Rebizant, Frank Bruchertseifer, and Thomas Fanghänel**

*Easily prepared* and highly soluble actinide(III) salts are of great interest as precursors for actinide complex chemistry. In their Communication on page 6343 ff., P. Lindqvist-Reis and co-workers report how  $[\text{An}(\text{H}_2\text{O})_9]^{3+}(\text{CF}_3\text{SO}_3)_3$  ( $\text{An} = \text{U}-\text{Cm}$ , Cf) can be obtained directly from aqueous solution, a remarkable result for the  $\text{U}^{\text{III}}$  and  $\text{Np}^{\text{III}}$  salts given their extremely oxidation-sensitive nature. They also discuss the use of these salts as models for hydrated  $\text{An}^{3+}$  ions in solution.

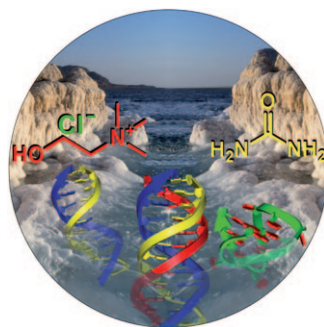
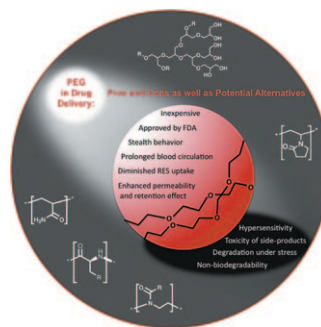


### Microfluidics in Inorganic Chemistry

In their Review on page 6268 ff., A. Abou-Hassan, V. Cabuil, and O. Sandre describe the role that microreactors can play in understanding the phenomena of nucleation and growth and the optimization of inorganic reactions.

### Drug Delivery

Today, poly(ethylene glycol) has found numerous applications in drug-transport systems. U. S. Schubert et al. give in their Review on page 6288 ff. a critical assessment of this important compound and introduce alternatives.



### Deep-Eutectic Solvents

A 1:2 mixture of choline chloride and urea forms a eutectic system that is liquid at room temperature. In their Communication on page 6310 ff., N. V. Hud and co-workers demonstrate the ability of this water-free solvent to support several nucleic acid secondary structures.