

A Journal of the Gesellschaft Deutscher Chemiker

Angewandte Chemie

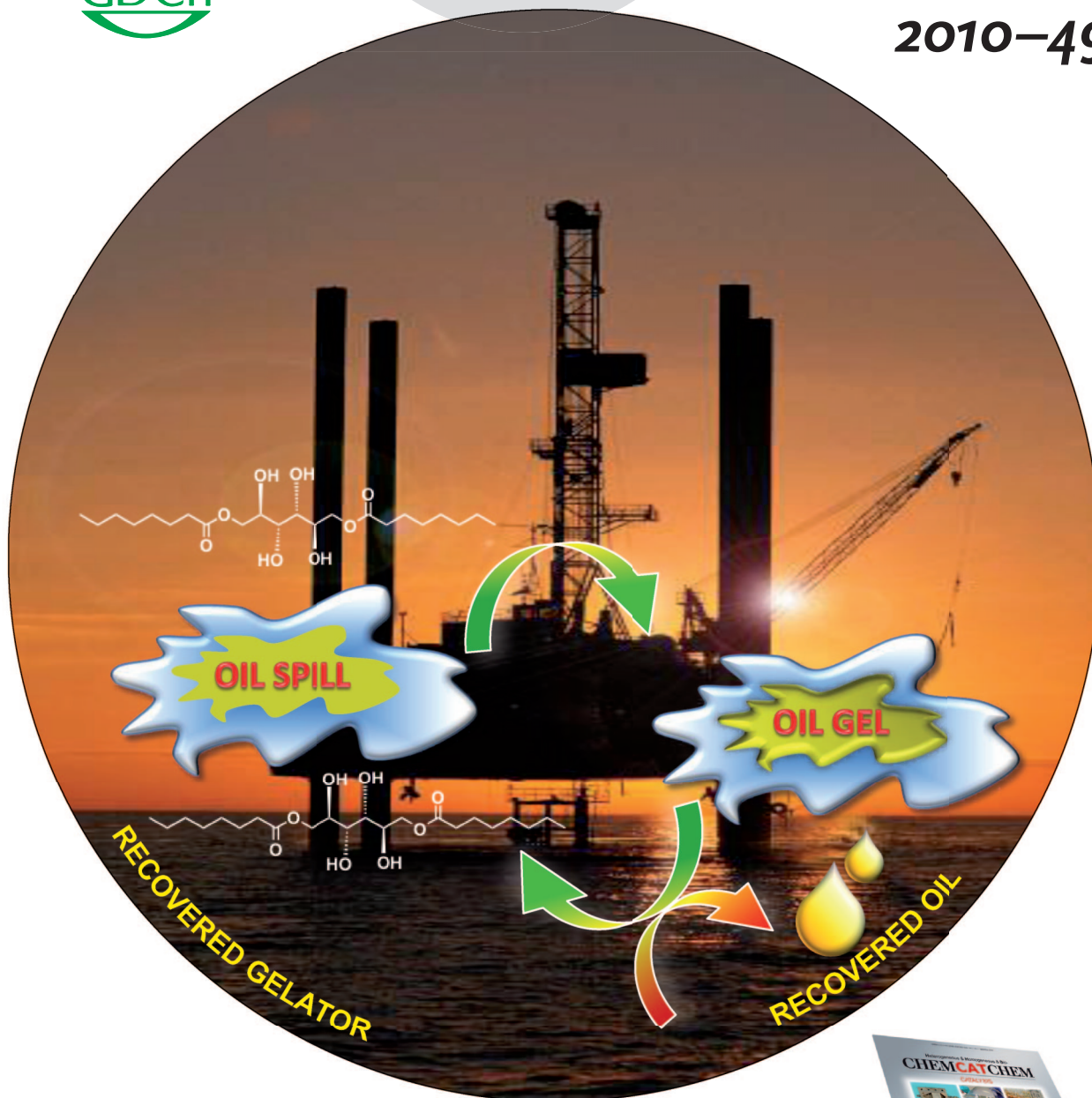
International Edition

GDCh

www.angewandte.org

2010–49/42

D 3461



Semiconductor Gas Sensors

A. Teleki et al.

Highlights: Carbon Monoxide Detection • Carbon Nanotubes as Nanopores • Insulin Synthesis

ACIEFS 49 (42) 7597–7816 (2010) • ISSN 1433–7851 • Vol. 49 • No. 42

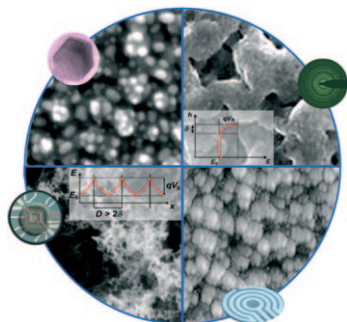


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Cover Picture

Swapnil R. Jadhav, Praveen Kumar Vemula, Rakesh Kumar, Srinivasa R. Raghavan, and George John*

In the near future molecular gels may serve in the ecologically sound cleanup of oil spills. In their Communication on page 7695 ff., G. John and co-workers describe how newly developed sugar alcohol gelators can be used for the unprecedented phase-selective gelation of various crude-oil fractions from oil–water mixtures at room temperature. The gels facilitate both the containment and the reclamation of oil.

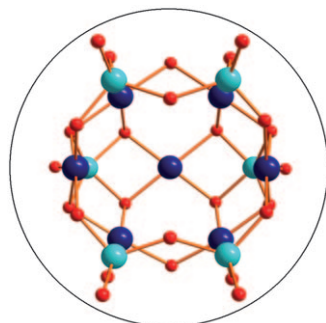
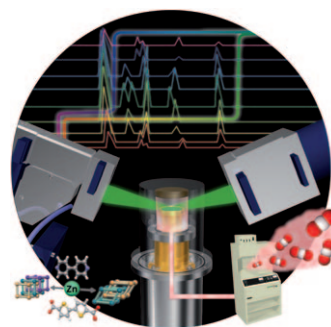


Gas Sensors

A. Teleki et al. describe in their Review on page 7632 ff. the synthesis and deposition methods for the preparation of gas sensors based on metal oxide semiconductors. They also discuss the synthesis of highly porous semiconductor films through new aerosol techniques.

Coordination Polymers

In their Communication on page 7660 ff., R. Matsuda, S. Kitagawa, and co-workers tune the structural flexibility and sorption behavior of 3D porous coordination polymers by changing the degree of interpenetration.



Mixed-Valent POMs

In their Communication on page 7807 ff. U. Kortz et al. present the bowl-shaped polyoxometalate (POM) $[\text{Pd}^{\text{II}}_7\text{V}^{\text{V}}\text{O}_{24}(\text{OH})_2]^{6-}$, which maintains its solution structure in the gas phase.