

A Journal of the Gesellschaft Deutscher Chemiker

D 3461

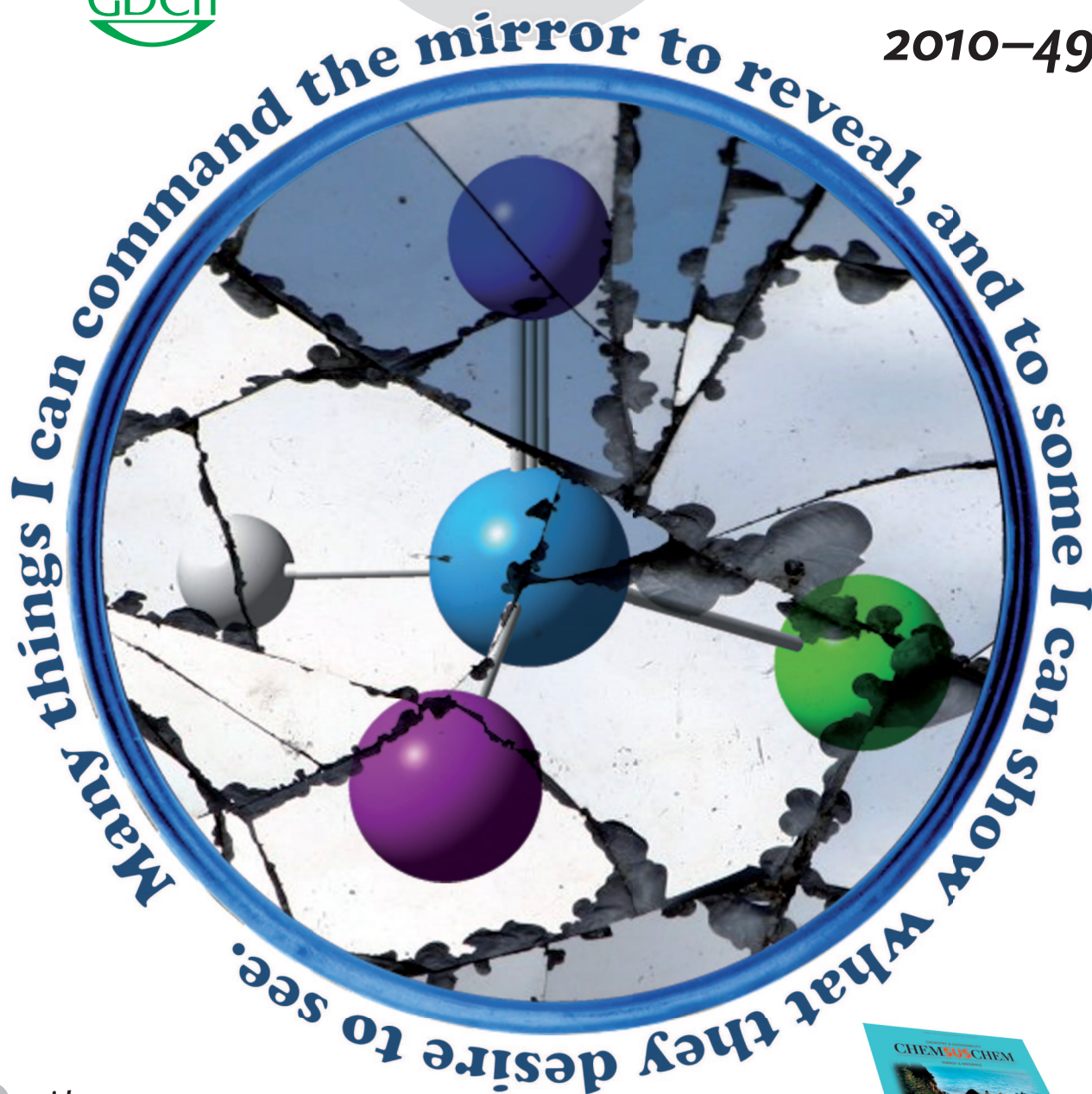
Angewandte Chemie

International Edition



www.angewandte.org

2010–49/16



Ynamides

G. Evano et al.

Ionic Liquids

R. Giernoth

SERS Spectroscopy

R. Jin

Alkaloid Synthesis

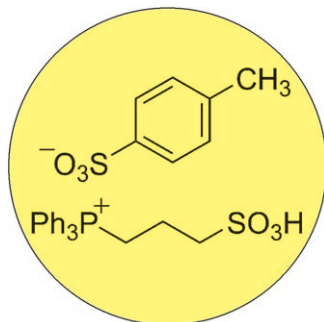
D. B. C. Martin and C. D. Vanderwal



Cover Picture

Detlev Figgen, Anton Koers, and Peter Schwerdtfeger*

The large parity violation effects predicted for the chiral molecule $\text{N}\equiv\text{WHClI}$ from relativistic density functional theory are shown as a broken mirror image. The energy difference of 0.7 Hz for the N–W stretching frequency, described by P. Schwerdtfeger et al. in their Communication on page 2941 ff., conveniently lies in the frequency range of CO_2 lasers and may be revealed by future high-resolution spectroscopy experiments.

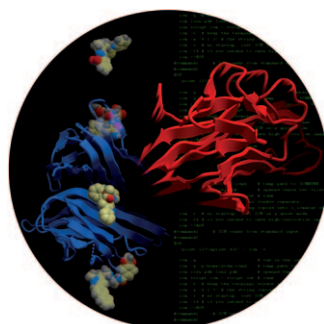


Ionic Liquids

In his Minireview on p. 2834 ff., R. Giernoth examines the applications of task-specific ionic liquids and shows that they can be more than just solvents.

Ynamides

Ynamides offer multiple opportunities for the introduction of N functions into organic molecules, and are emerging as versatile building blocks for organic synthesis. G. Evano et al. highlight the latest developments in this area in their Review on page 2840 ff.



Virtual Screening

In their Communication on page 2860 ff., D.-L. Ma, C.-H. Leung, and co-workers describe the use of virtual screening to identify and validate two natural-product-like inhibitors of the proinflammatory cytokine necrosis factor α (TNF- α). These compounds are only the third and fourth examples of small-molecule inhibitors for TNF- α .