

A Journal of the Gesellschaft Deutscher Chemiker

Angewandte
Chemie

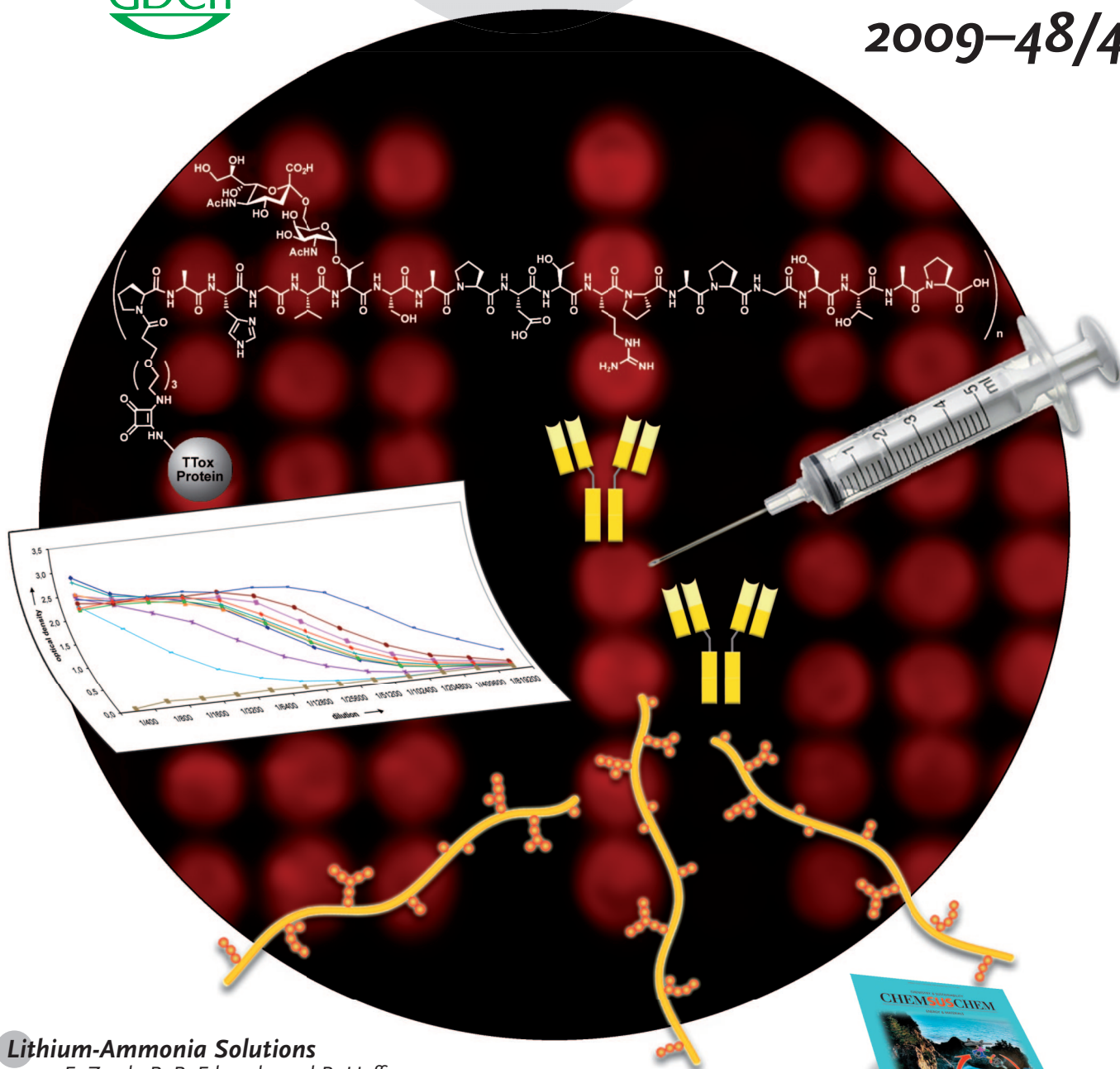
International Edition

GDCh

www.angewandte.org

2009–48/44

D 3461



Lithium-Ammonia Solutions

E. Zurek, P. P. Edwards, and R. Hoffmann

Diazo Compounds

G. Maas

Water Splitting

J. N. H. Reek et al.

Complex Zeolites

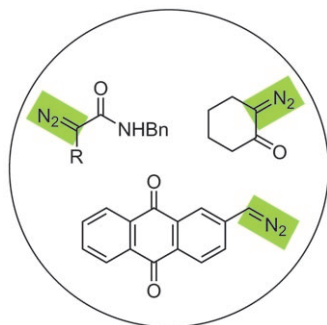
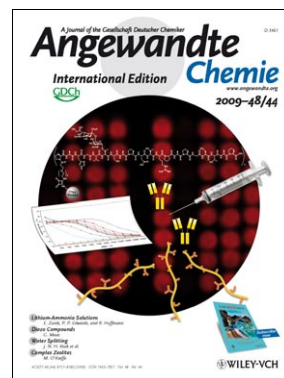
M. O'Keeffe



Cover Picture

Ulrika Westerlind, Hendrik Schröder, Alexandra Hobel, Nikola Gaidzik, Anton Kaiser, Christof M. Niemeyer, Edgar Schmitt, Herbert Waldmann,* and Horst Kunz*

A **synthetic vaccine** consisting of a MUC1 tandem-repeat glycopeptide conjugated to the tetanus toxoid protein was prepared and immunized in mice. A very strong immune response with antibodies specific to the MUC1 glycopeptide was obtained, as described in the Communication by H. Kunz and co-workers in issue 41 on page 7551 ff. To further evaluate the specificity of the antibodies from this and other synthetic vaccines, a MUC1 tandem-repeat glycopeptide microarray platform (see cover picture) was developed by H. Kunz, H. Waldmann, and co-workers, as reported in their Communication on page 8263 ff.

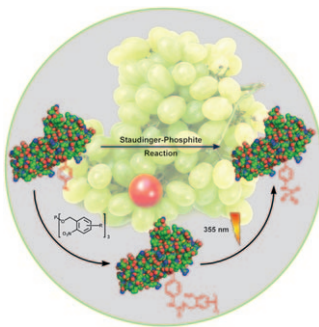
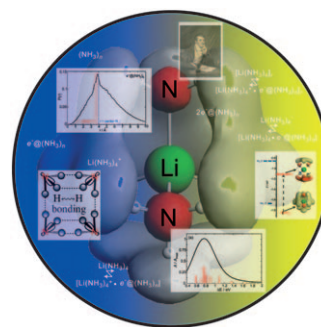


Diazo Compounds

The interest in diazo compounds continues thanks to their usefulness as versatile synthetic building blocks. Even today, new methods and improved procedures are being published. In the Minireview on page 8186 ff., G. Maas gives an overview of recent studies.

Lithium–Ammonia Solutions

What causes the spectacular colors in the lithium–ammonia solutions that Humphry Davy first observed 200 years ago? E. Zurek, P. P. Edwards, and R. Hoffmann and co-workers bring enlightenment in their Review on page 8198 ff.



Chemoselective Reactions

C. P. R. Hackenberger and co-workers describe in their Communication on page 8234 ff. how the Staudinger–phosphite reaction can be used for the chemoselective, metal-free transformation of azides in peptides and proteins in high yields.