

A Journal of the Gesellschaft Deutscher Chemiker

D 3461

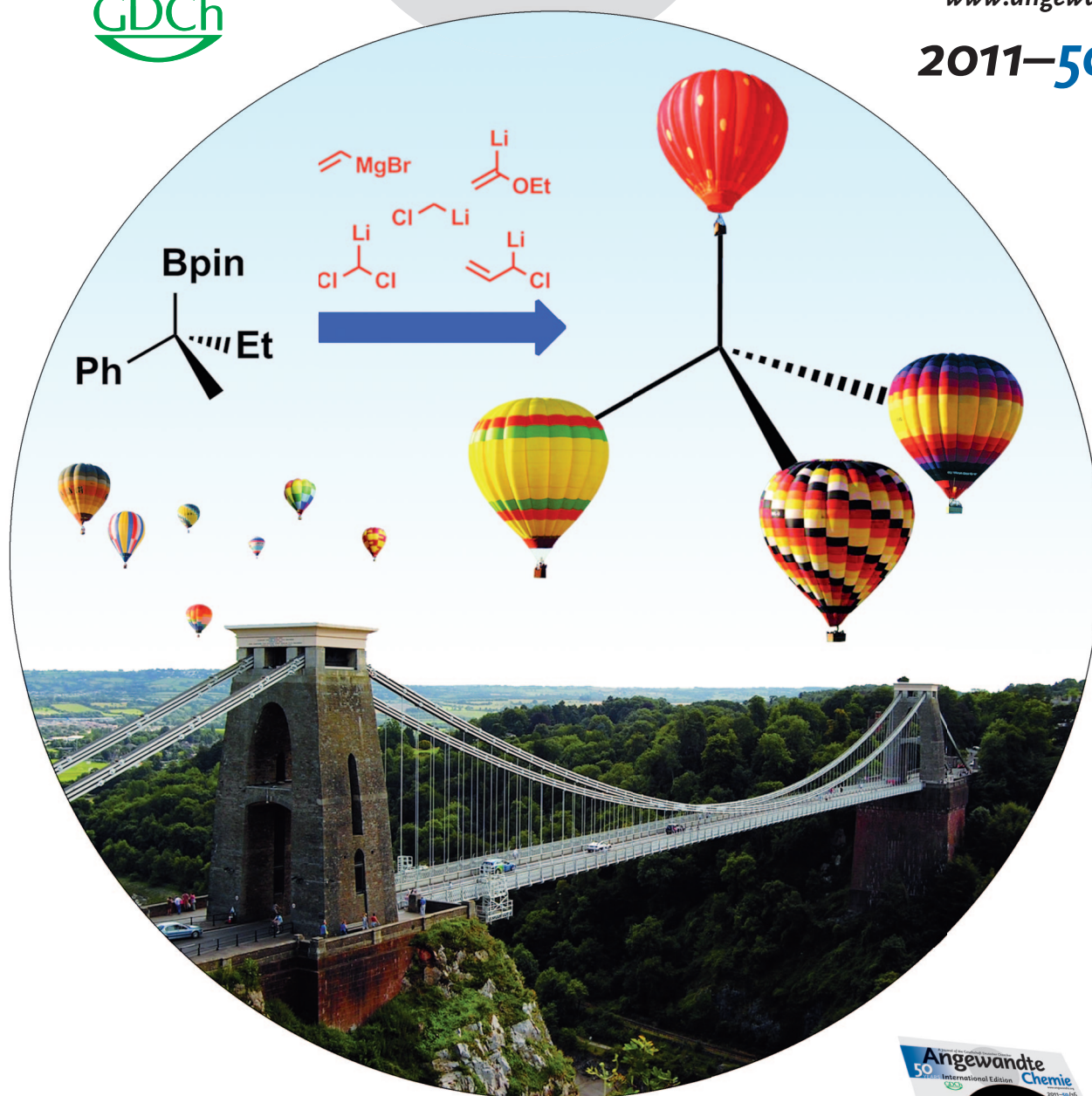
Angewandte Chemie

50 YEARS International Edition

GDCh

www.angewandte.org

2011–50/16



Zintl Ions

T. F. Fässler et al.

Lipid Domains

L. Addadi et al.

Single-Molecule Absorption

T. Basché

One-Pot Reactions

M. Christmann et al.

ACIEFS 50 (16) 3575–3816 (2011) · ISSN 1433–7851 · Vol. 50 · No. 16



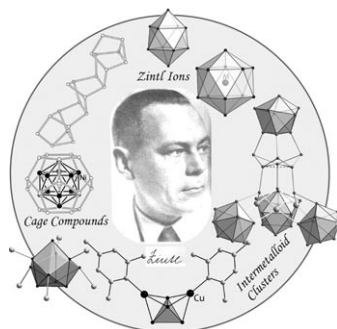
See Back Cover

WILEY-VCH

Cover Picture

Ravindra P. Sonawane, Vishal Jheengut, Constantinos Rabalakos, Robin Larouche-Gauthier, Helen K. Scott, and Varinder K. Aggarwal*

The combination of two reactions lithiation/borylation and subsequent one-carbon homologation or vinylation to deliver functionalized compounds having quaternary centers in very high enantioselectivity is described by V. Aggarwal et al. in their Communication on page 3760 ff. Bristol's International Balloon Festival and the Clifton suspension bridge act as the backdrop of this chemistry.

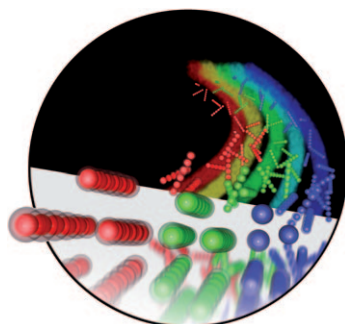
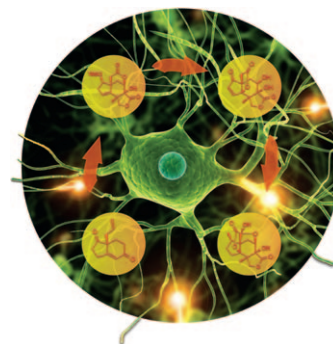


Zintl Ions

The chemistry of Zintl ions has undergone an enormous upsurge thanks to the realization that these species can also be used as building blocks for the synthesis of materials. T. F. Fässler et al. present the latest advances in this field in their Review on page 3630 ff.

Natural Product Synthesis

E. A. Theodorakis et al. describe in their Communication on page 3672 ff., the synthesis of (–)-jiadifenolide, a modulator of neurotrophic factors. The decisive step is a novel acid-induced cascade reaction for the assembly of the E ring lactone.



Nanotechnology

In their Communication on page 3747 ff., Y. Yin et al. describe the magnetically assisted synthesis of nanochains consisting of superparamagnetic Fe_3O_4 particles coated with silica to give mechanically robust and optically active rods.