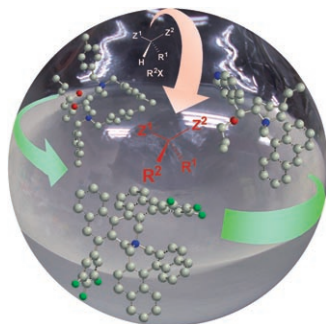
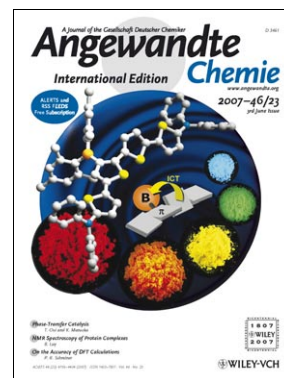


Cover Picture

Atsushi Wakamiya, Kenji Mori, and Shigehiro Yamaguchi*

Full-color highly emissive organic solids with fluorescence maxima ranging over a wide visible region (blue to deep red) can be produced by using 3-boryl-2,2-bithiophene as a core skeleton. In their Communication on page 4273 ff., S. Yamaguchi and co-workers describe the molecular design of emissive organic materials in which intramolecular charge transfer from the π -conjugated moiety to the boron moiety in the twisted framework plays a crucial role for attaining intense solid-state emissions with large Stokes shifts.

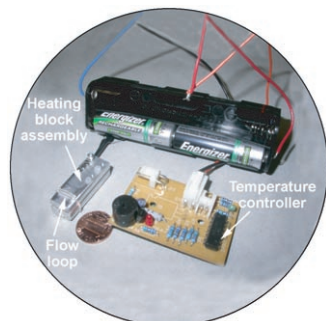
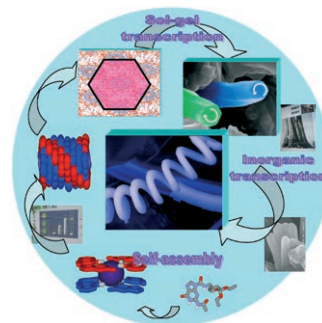


Asymmetric Phase-Transfer Catalysis

K. Marouka and T. Ooi describe in their Review on page 4222 ff. a comprehensive overview of the use of chiral quaternary onium salts for asymmetric phase-transfer catalysis. The advantages of the respective systems are highlighted.

Supramolecular Architecture

The creation of hybrid twisted nanorods or inorganic microsprings by transcribing the supramolecular chirality of a dynamic G-quadruplex supramolecular architecture is described by M. Barboiu and co-workers in their Communication on page 4268 ff.



Microreactors

In their Communication on page 4316 ff., V. M. Ugaz and co-workers present a simple and inexpensive thermocycling system that can perform rapid multiplex and long-target DNA amplification by the polymerase chain reaction.