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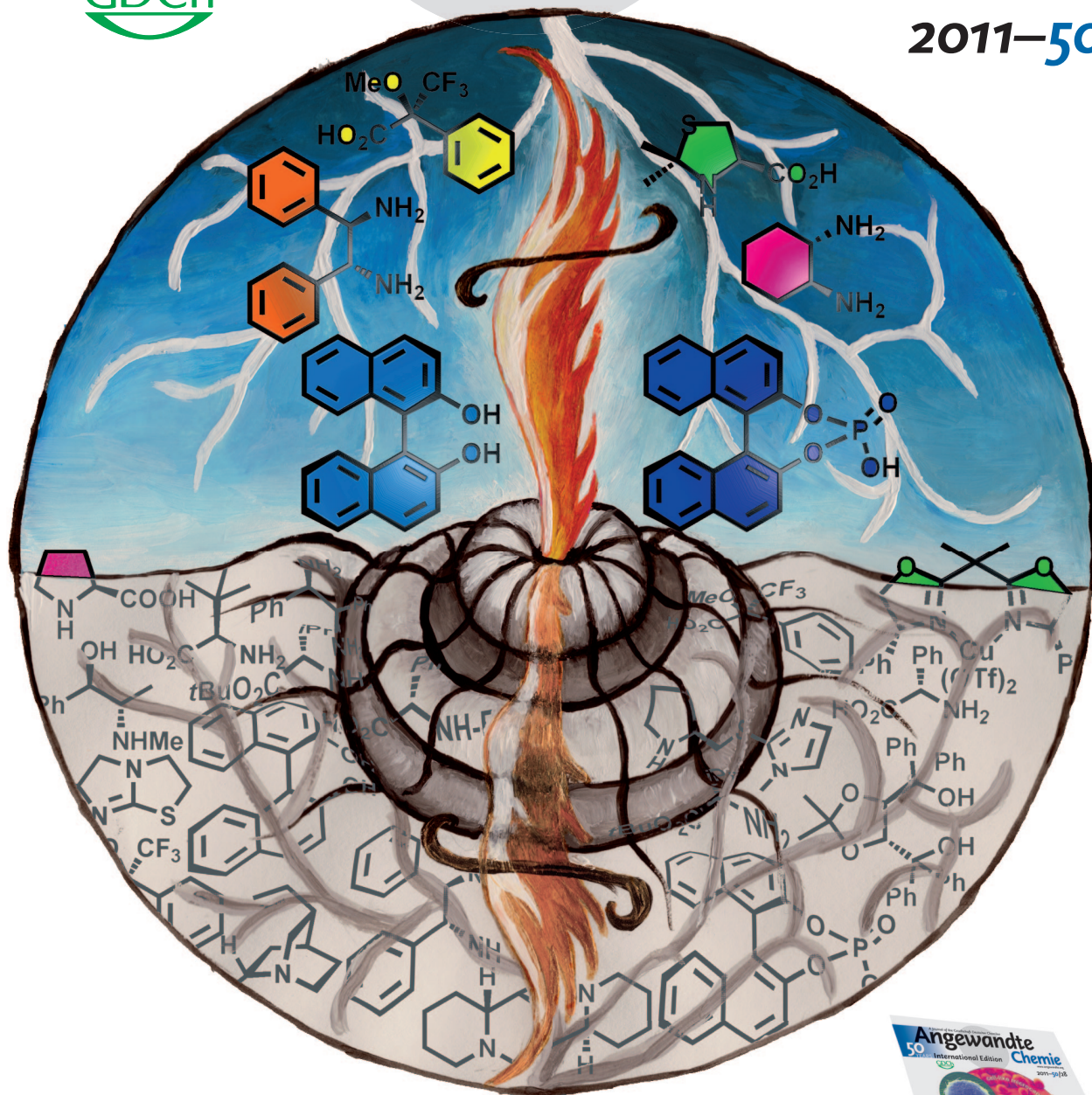
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Multicomponent Reactions

R. V. A. Orru *et al.*

Multifunctional Catalysis

M. Bella *et al.*

Carboxylic Acid Synthesis

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Low-Coordinate Complexes

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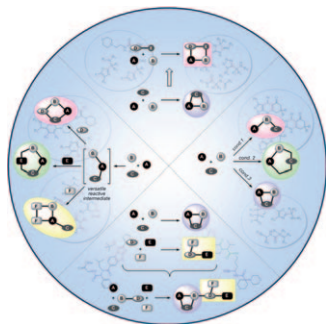


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Cover Picture

Susy Piovesana, Daniele M. Scarpino Schietroma, and Marco Bella*

A sword of fire is generated when a bolt of lightning strikes a primordial plane covered by flowing molecules. The distortion upon impact causes the molecules to separate and leave for a new three-dimensional world. This artwork (“Flammenschwert”, Susy Piovesana, 2010) illustrates the concept behind the Minireview by M. Bella et al. on page 6216 ff. in which they describe the development of distinct chiral catalysts for asymmetric synthesis. The authors thank Corden Pharma for providing financial support for this cover picture.

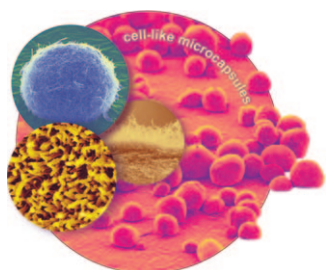
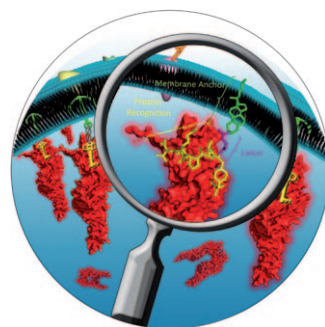


Multicomponent Reactions

The quickest way to chemical diversity is through multicomponent reactions. R. V. A. Orru et al. show in their Review on page 6234 ff. that changing single components and reaction conditions as well as the combination of multicomponent reactions opens up new perspectives.

Anticancer Agents

C. C. Gradinaru, P. T. Gunning, and co-workers describe in their Communication on page 6248 ff. an in vitro strategy to prevent the cellular motility of oncogenic STAT3 protein, a master regulator of the underlying events in malignant transformation.



Amphiphiles

In their Communication on page 6292 ff., S. I. Stupp and co-workers report the formation of cell-like, filamentous microcapsules by the self-assembly of peptide amphiphiles and oppositely charged polymers at the interface between two aqueous solutions.