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Graphitic Carbon Nitride

Review by M. Antonietti et al.

DNA Origami

Minireview by B. Saccà and C. M. Niemeyer

Fritz Haber

Essay by Fritz Stern

Highlights: Organocatalysis • Molecular Magnetism • Indole Chemistry

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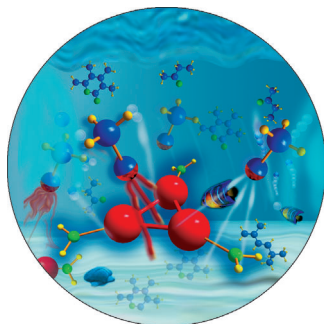
See
Back Cover

 **WILEY-VCH**

Cover Picture

Christophe Das Neves Gomes, Olivier Jacquet, Claude Villiers, Pierre Thuéry, Michel Ephritikhine, and Thibault Cantat*

A *blooming tree* illustrates how CO₂ can be recycled to a variety of chemicals based on a strategy discussed by T. Cantat and co-workers in their Communication on page 187 ff. The approach relies on the simultaneous use of a functionalizing reagent and a reductant that can be independently adjusted to access a variety of molecules from CO₂. The direct conversion of CO₂, amines, and silanes to formamides is reported.

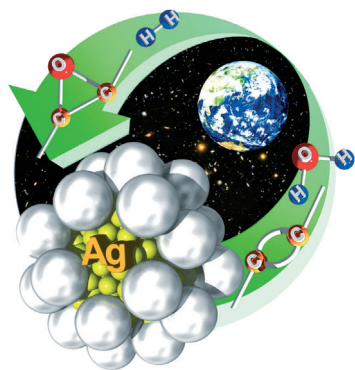
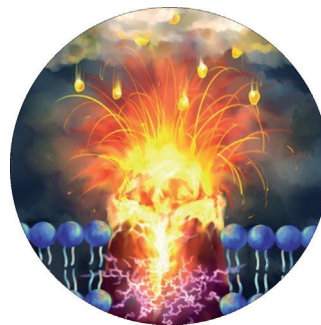


C–C Coupling

A. Bino et al. describe the generation of free carbyne radicals in aqueous solution from a variety of metal alkylidyne complexes under mild conditions in their Communication on page 90 ff. The radicals can react further to afford a variety of organic compounds.

Metal Nanoparticles

In their Communication on page 140 ff., Y.-T. Long and co-workers describe the electrodeposition process of single nanoparticles on ion-channel pores of a stable protein 1 membrane.



Heterogeneous Catalysis

T. Kaneda and co-workers report the chemoselective reduction of epoxides and nitrostyrenes in the presence of an Ag–CeO₂ core-shell catalyst in their Communication on page 136 ff.