

Highlights

Cancer Cells

O. C. Farokhzad and W. Gao

Self-Propelled Microrockets to Capture and Isolate Circulating Tumor Cells

Structure Elucidation

R. R. Gil

Constitutional, Configurational, and Conformational Analysis of Small Organic Molecules on the Basis of NMR Residual Dipolar Couplings

Minireviews

Gold Catalysis

X. Li and J. Xiao

Gold α -Oxo Carbenoids in Catalysis: Catalytic Oxygen-Atom Transfer to Alkynes

Reviews

Photocatalytic Water Splitting

V. Artero, M. Fontecave et al.

Splitting Water with Cobalt

Communications

Natural Products

Y. F. Tang, J.-H. Chen, Z. Yang et al.

Diastereoselective Total Synthesis of (\pm)-Schindilactone A (**Cover Picture**)

Self-Assembled Nanowires

H. Ritter et al.

Fluorescent Nanowires Self-Assembled through Host–Guest Interactions in Modified Calcein (**Inside Cover**)

Molecular Beacons

H.-A. Wagenknecht and C. Holzhauser

In-Stem-Labeled Molecular Beacons for Distinct Fluorescent Color Readout (**Frontispiece**)

Asymmetric Hydrogenation

J.-H. Xie, Q.-L. Zhou et al.

An Additional Coordination Group Leads to Extremely Efficient Chiral Iridium Catalysts for Asymmetric Hydrogenation of Ketones (**Back Cover**)

Reversible Umpolung

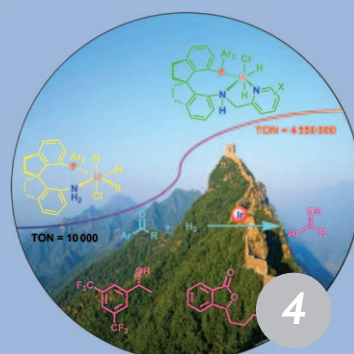
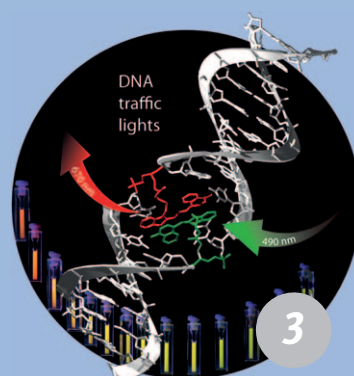
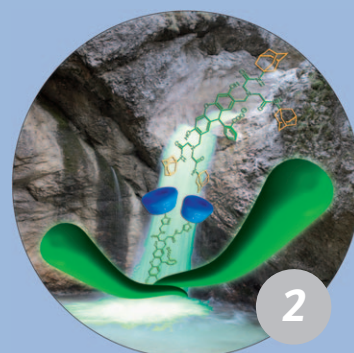
F. P. Gabbaï and C. R. Wade

Two-Electron Redox Chemistry and Reversible Umpolung of a Gold–Antimony Bond

Magnesium Diorganoboronates

P. Knochel et al.

Practical One-Pot Preparation of Magnesium Di(hetero)aryl- and Magnesium Dialkenylboronates for Suzuki–Miyaura Cross-Coupling Reactions



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