

Highlights

Bioinorganic Chemistry

Biomimetic Trispyrazolylborato Iron Complexes

N. Burzlaff

Molecular Electronics

Watching the Gap Close

M. Mayor

Reviews

Green Fluorescent Protein

 Constructing and Exploiting the Fluorescent Protein Paintbox (Nobel Lecture) **(Cover Picture)**

R. Y. Tsien

O. Shimomura

Discovery of Green Fluorescent Protein (GFP) (Nobel Lecture)

M. Chalfie

GFP: Lighting Up Life (Nobel Lecture)

Communications

Hybrid Materials

Mechanical Nanosensor Based on FRET within a Thermosome: Damage-Reporting Polymeric Materials

D. S. Clark et al.

Ultrafast Dynamics

Primary Peptide Folding Dynamics Observed with Ultrafast Temperature Jump

A. H. Zewail et al.

Chiral Cyclophanes

 Hydrogen-Bond Control in Axially Chiral Styrenes: Selective Synthesis of Enantiomerically Pure C_2 -Symmetric Paracyclophanes

K. Suzuki et al.

Copper Catalysis

Copper-Catalyzed Cross-Couplings with Part-per-Million Catalyst Loadings

P.-O. Norrby, C. Bolm et al.

Homogeneous Catalysis

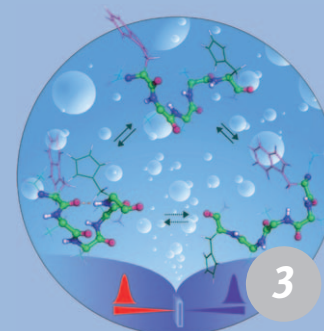
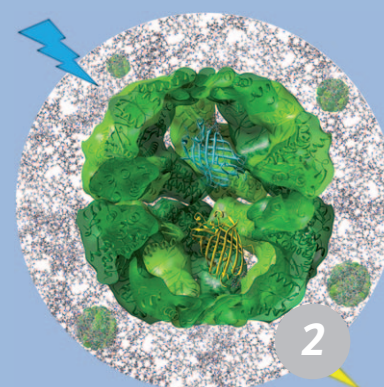
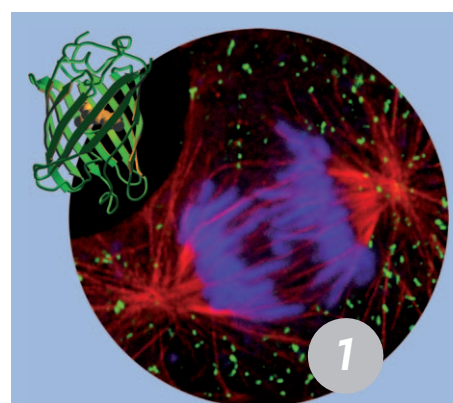
Mechanistic Surprises in the Gold(I)-Catalyzed Intramolecular Hydroarylation of Allenes

M. R. Gagné et al.

Total Synthesis

Stereochemical Relay via Axially Chiral Styrenes: Asymmetric Synthesis of the Antibiotic TAN-1085

K. Suzuki et al.


 Issue 31/2009 will be
 published on July 20, 2009.