

Highlights

Lab-on-a-Chip

D. Belder

Screening in One Sweep using the Slipchip

D-Ribose

W. Saenger

A Multi-Faceted Approach to Elucidate the Crystal Structure of D-Ribose: Similarities to Protein Structure Determination

Essays

History of Science

J. Podlech

“Try and Fall Sick”: The Composer, Chemist, and Surgeon Aleksandr Borodin

Reviews

Carbon Nanostructures

H. Frauenrath et al.

Nanostructured Carbonaceous Materials from Molecular Precursors

Communications

Hydrogen Activation

T. Soós et al.

Expanding the Scope of Metal-Free Catalytic Hydrogenation through Frustrated Lewis Pair Design

Pain Relief Drugs

D. J. Craik et al.

 The Engineering of an Orally Active Conotoxin for the Treatment of Neuropathic Pain **(Cover Picture)**
Mismatched Base Pairing

H. Urata et al.

 Incorporation of Thymine Nucleotides by DNA Polymerases through T–Hg^{II}–T Base Pairing

Conformational Analysis

A. H. Zewail et al.

Direct Structural Determination of Conformations of Photoswitchable Molecules by Laser Desorption–Electron Diffraction

Photochemical Synthesis

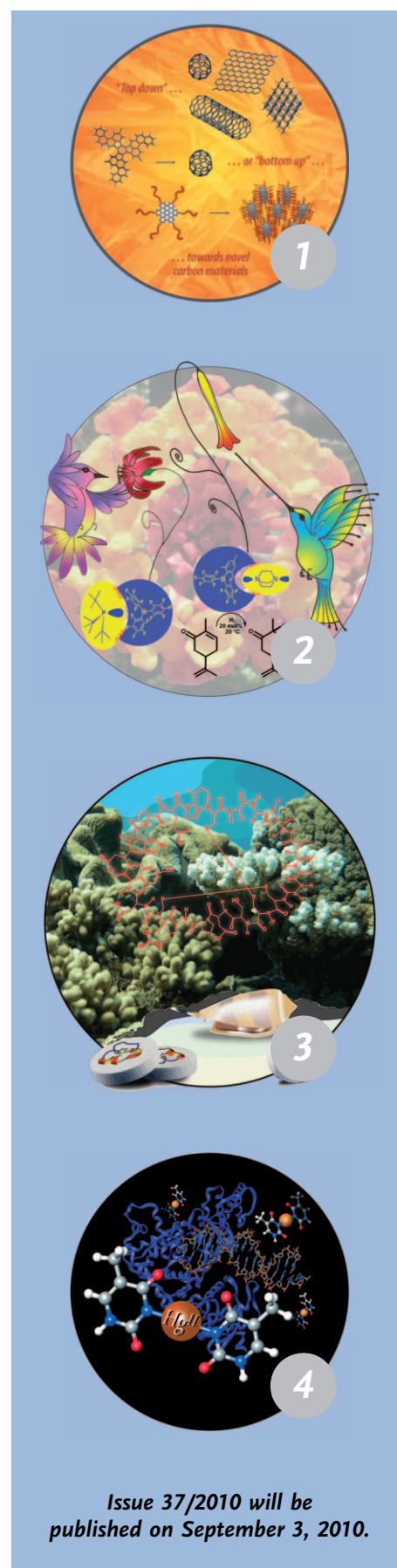
J. A. Porco, Jr. et al.

Biomimetic Photocycloaddition of 3-Hydroxyflavones: Synthesis and Evaluation of Rocaglate Derivatives as Inhibitors of Eukaryotic Translation

Silacarboxylate Ligands

M. Driess et al.

Silicon Analogues of Carboxylic Acids: Synthesis of Isolable Silanoic Acids by Donor–Acceptor Stabilization


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