

Highlights

Catenanes

G. Rapenne and I. M. Dixon

Bridging the Gap: Making the Link in Mechanically Interlocked Chiral Molecules

Genome Sequencing

F. Schulz et al.

The Development of DNA Sequencing: From the Genome of a Bacteriophage to That of a Neanderthal

Essays

N-Heterocyclic Carbenes

W. Kirmse

The Beginnings of N-Heterocyclic Carbenes

Minireviews

Isoprenoid Biosynthesis

T. Gräwert, M. Groll et al.

Reductive Dehydroxylation of Allyl Alcohols by IspH Protein

Reviews

Stable Cyclic Carbenes

G. Bertrand et al.

Stable Cyclic Carbenes and Related Species beyond Diaminocarbenes

Communications

RNA Modification

T. Pan, C. He et al.

The AlkB Domain of Mammalian ABH8 Catalyzes Hydroxylation of 5-Methoxycarbonylmethyluridine at the Wobble Position of tRNA (**Cover Picture**)

Photoactivated Prodrugs

P. J. Sadler et al.

A Potent *Trans*-Diimine Platinum Anticancer Complex Photoactivated by Visible Light

Catalytic C–H Functionalization

T. R. Cundari, T. H. Warren et al.

Catalytic C–H Amination with Unactivated Amines through Copper(II) Amides

C–H Functionalization

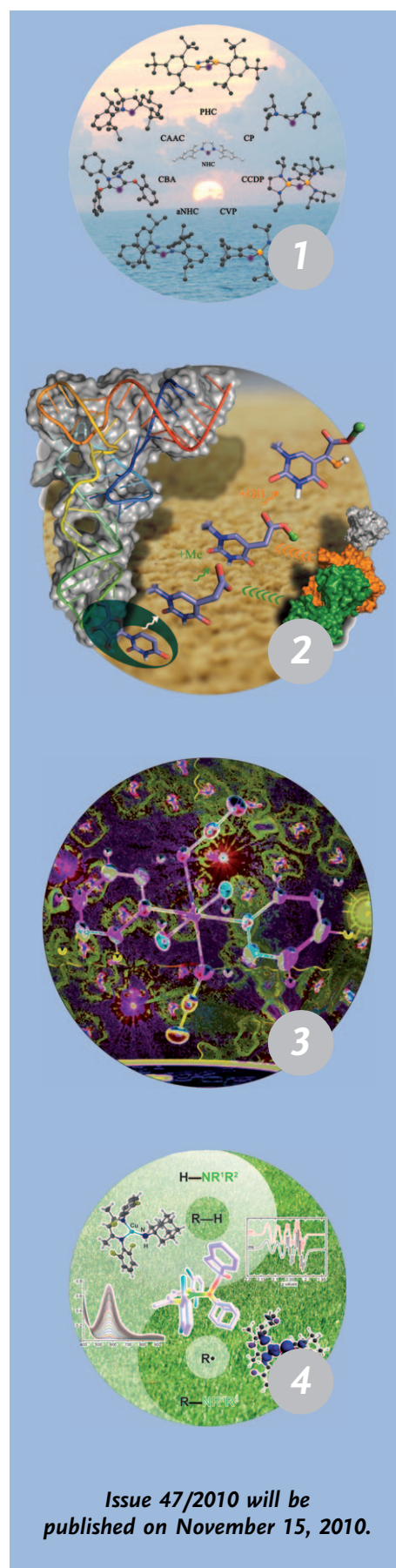
K. Itami et al.

A General Catalyst for the β -Selective C–H Bond Arylation of Thiophenes with Iodoarenes

Molecular Capsules

M. Fujita et al.

A Molecular Capsule Network: Guest Encapsulation and Control of Diels–Alder Reactivity



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