

Highlights

Phthalide Synthesis

M. C. Willis

Catalytic Intramolecular Ketone Hydroacylation: Enantioselective Synthesis of Phthalides

Mechanochemistry

G. Cravotto and P. Cintas

Reconfiguration of Stereoisomers under Sonomechanical Activation

Reviews

Carbon Dioxide Capture

D. M. D'Alessandro, B. Smit, and J. R. Long

Carbon Dioxide Capture: Prospects for New Materials

Drug Discovery

S. J. Danishefsky and R. M. Wilson

On the Reach of Chemical Synthesis: Creation of a Mini-Pipeline from an Academic Laboratory

Communications

Singlet Dioxxygen Fixation

D. Bourissou et al.

Reaction of Singlet Dioxxygen with Phosphine–Borane Derivatives: From Transient Phosphine Peroxides to Crystalline Peroxoboronates (Cover Picture)

Surface Structure Elucidation

D. Su et al.

Real-Space Observation of Surface Termination of a Complex Metal Oxide Catalyst

Iterative Synthesis

M. Oestreich and E. Hartmann

Asymmetric Conjugate Silyl Transfer in Iterative Catalytic Sequences: Synthesis of the C7–C16 Fragment of (+)-Neopeltolide

Biomimetic Synthesis

D. Trauner et al.

Biomimetic Synthesis of (–)-Pycnanthuquinone C through the Diels–Alder Reaction of a Vinyl Quinone

Polyoxometalate Chemistry

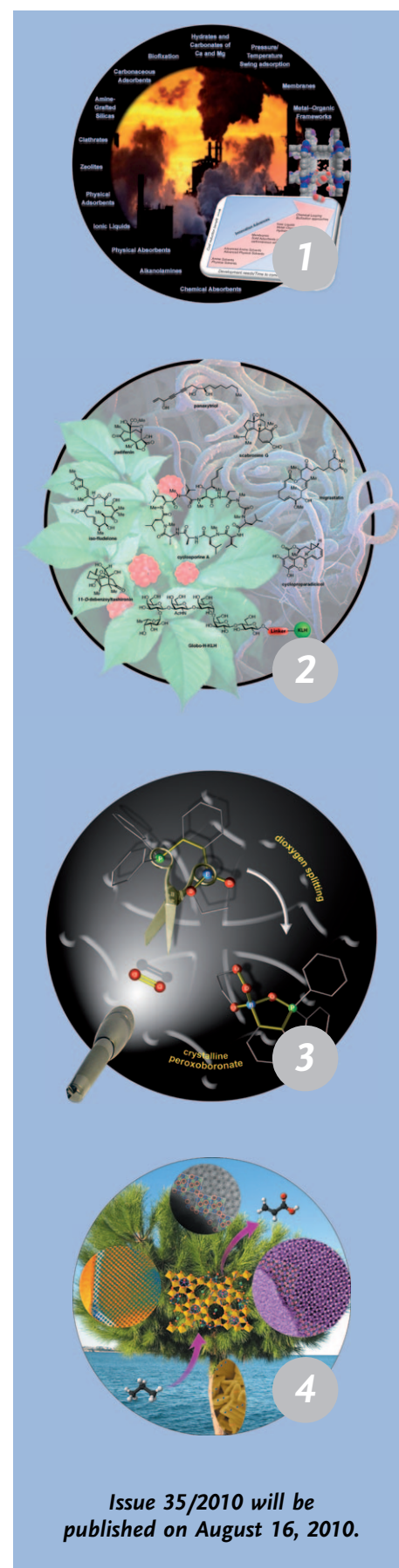
N. Mizuno et al.

Zinc(II)-Containing γ -Keggin Sandwich-Type Silicotungstate: Synthesis in Organic Media and Oxidation Catalysis

Total Synthesis

E. N. Jacobsen et al.

An Enantioselective Total Synthesis of (+)-Peloruside A



Issue 35/2010 will be
published on August 16, 2010.