

Highlights

Tissue Engineering

Q. Wang and L. A. Lee

Dynamic 3D Patterning of Biochemical Cues by using Photoinduced Bioorthogonal Reactions

Molecular Shuttles

G. J. Sanjayan et al.

Foldamers: They're Not Just for Biomedical Applications Anymore

Natural Products

K. Strømgaard and A. S. Kristensen

A Heteromeric Snake Toxin and the Molecular Details of Pain Perception

Minireviews

Total Synthesis

A. Kirschning and F. Hahn

Merging Chemical Synthesis and Biosynthesis: A New Chapter in the Total Synthesis of Natural Products and Natural Product Libraries

Reviews

Antivirulence Agents

B. Castagner et al.

Targeting Bacterial Toxins

Communications

Nanoparticles

H. Wennemers et al.

Oligoprolines as Scaffolds for the Formation of Silver Nanoparticles in Defined Sizes: Correlating Molecular and Nanoscopic Dimensions (**Cover Picture**)

Self-Assembly

P. E. Barran, P. J. Lusby et al.

Sequential, Kinetically Controlled Synthesis of Multicomponent Stereoisomeric Assemblies (**Inside Cover**)

Antibiotic Biosynthesis

M. T. Stubbs et al.

The O-Carbamoyltransferase TobZ Catalyzes an Ancient Enzymatic Reaction (**Frontispiece**)

Structure Elucidation

K. D. Janda et al.

Uncharacterized 4,5-Dihydroxy-2,3-Pentanedione (DPD) Molecules Revealed Through NMR Spectroscopy: Implications for a Greater Signaling Diversity in Bacterial Species (**Inside Back Cover**)

Enzyme Mechanisms

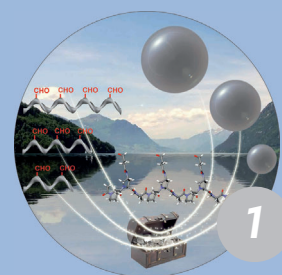
E. Oldfield, R.-T. Guo et al.

Insights into the Mechanism of the Antibiotic-Synthesizing Enzyme MoeO5 from Crystal Structures of Different Complexes (**Back Cover**)

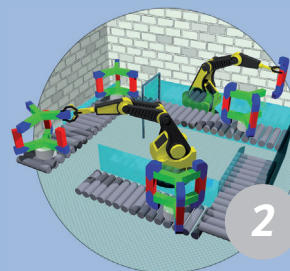
Natural Product Synthesis

K. Gademann et al.

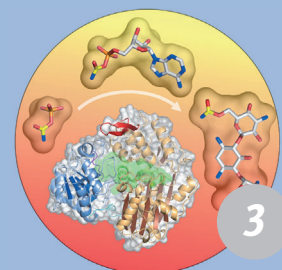
Total Synthesis of Cyrneine A



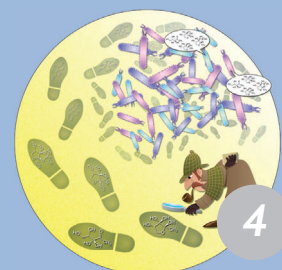
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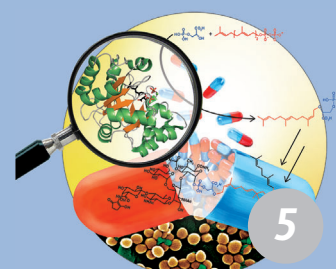
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Issue 17/2012 will be
published on April 23, 2012.