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Cyclophanes

L. T. Scott and B. D. Steinberg

New Strategies for Synthesizing Short Sections of Carbon Nanotubes

Nanotube Synthesis

A. Hirsch

Growth of Single-Walled Carbon Nanotubes without a Metal Catalyst—A Surprising Discovery

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Cell Function

R. Langer, J. T. Borenstein et al.

Engineering Substrate Topography at the Micro- and Nanoscale to Control Cell Function

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Drug Delivery

A. V. Kabanov and S. V. Vinogradov

Nanogels as Pharmaceutical Carriers: Finite Networks of Infinite Capabilities

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Chiral Macrocycles

F. Diederich et al.

An Enantiomerically Pure Allenic Acetylenic Macrocyclic: Synthesis and Rationalization of Its Outstanding Chiroptical Response (**Cover Picture**)

Cyclophanes

G. J. Bodwell et al.

1,1,8,8-Tetramethyl[8](2,11)-teropyrenophane: Half of an Aromatic Belt and a Segment of an (8,8) Single-Walled Carbon Nanotube

Metallacycles

H. Xia et al.

Osmapyridine and Osmapyridinium from a Formal [4+2] Cycloaddition Reaction

P–P Activation

G. Bertrand et al.

Nonmetal-Mediated Fragmentation of P_4 : Isolation of P_1 and P_2 Bis(carbene) Adducts

Main-Group Chemistry

G. Frenking, R. A. Fischer et al.

A Short Bi=Bi Bond Supported by a Metalloid Group 13 Ligand

Natural Product Synthesis

B. M. Trost et al.

Asymmetric Total Synthesis of Soraphen A: A Flexible Alkyne Strategy

