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Porous Organic Crystals

M. Mastalerz

Rational Design of Multifunctional Nanopores by Mixing Matching Molecules

Endohedral Fullerene

C. Thilgen

A Single Water Molecule Trapped Inside Hydrophobic C₆₀

Essays

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S. Alvarez

Chemistry: A Panoply of Arrows

Minireviews

Heterogeneous Catalysis

Y. D. Li and K. B. Zhou

Catalysis Based on Nanocrystals with Well-Defined Facets

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Metal Catalysis

A. Corma and A. Leyva-Pérez

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Communications

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C. Wöll, R. A. Fischer et al.

Enantiopure Metal–Organic Framework Thin Films: Oriented SURMOF Growth and Enantioselective Adsorption **(Cover Picture)**

Biosensors

H. G. Park and B. Y. Won

A Touchscreen as a Biomolecule Detection Platform **(Inside Cover)**

Gold Nanorods

E. R. Zubarev et al.

Quantitative Replacement of Cetyl Trimethylammonium Bromide by Cationic Thiol Ligands on the Surface of Gold Nanorods and Their Extremely Large Uptake by Cancer Cells **(Frontispiece)**

Reaction Mechanisms

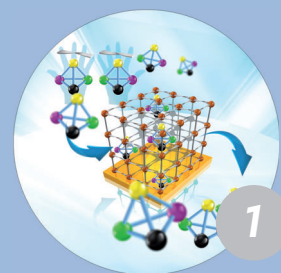
K.-Y. Wong, J. A. Piccirilli, M. E. Harris, D. M. York et al.

Characterization of the Reaction Path and Transition States for RNA Transphosphorylation Models from Theory and Experiment **(Inside Back Cover)**

Nanostructures

H. J. Cha et al.

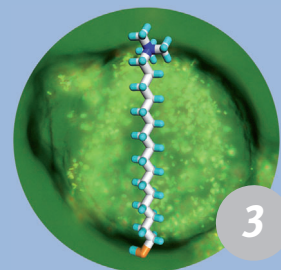
Reinforced Multifunctionalized Nanofibrous Scaffolds Using Mussel Adhesive Proteins **(Back Cover)**



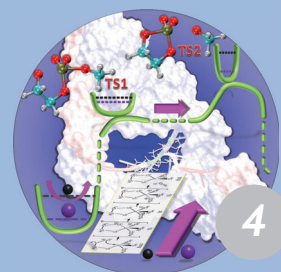
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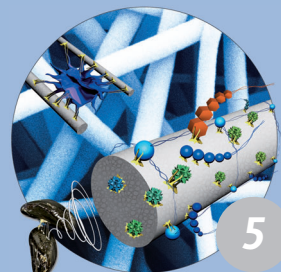
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