

CONCEPTS

Organic Photovoltaics

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F. Würthner,* K. Meerholz*

Systems Chemistry Approach in Organic Photovoltaics

Nanotechnology

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R. Giorgi, M. Ambrosi, N. Toccafondi, P. Baglioni*

Nanoparticles for Cultural Heritage Conservation: Calcium and Barium Hydroxide Nanoparticles for Wall Painting Consolidation

Hydrophobic Surfactants

H. Asanuma, H. Li, T. Nakanishi,* H. Möhwald

Fullerene Derivatives That Bear Aliphatic Chains as Unusual Surfactants: Hierarchical Self-Organization, Diverse Morphologies, and Functions

Heterogeneous Catalysis

E. Stavitski, E. A. Pidko, M. H. F. Kox, E. J. M. Hensen, R. A. van Santen, B. M. Weckhuysen*

Detection of Carbocationic Species in Zeolites: Large Crystals Pave the Way

Domino Reactions

M. Rueping,* R. M. Koenigs, I. Atodiresei

Unifying Metal and Brønsted Acid Catalysis—Concepts, Mechanisms, and Classifications

REVIEWS

Heterogeneous Catalysis

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H.-J. Freund*

Model Studies in Heterogeneous Catalysis

Biomimetic Mineralization

A. Ethirajan, K. Landfester*

Functional Hybrid Materials with Polymer Nanoparticles as Templates

MINIREVIEWS

Green Chemistry

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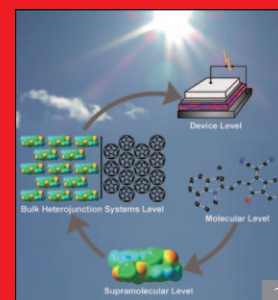
M. J. Hernáiz, A. R. Alcántara, J. I. García, J. V. Sinisterra*

Applied Biotransformations in Green Solvents

Reaction Mechanisms

M. N. Alberti, M. Orfanopoulos*

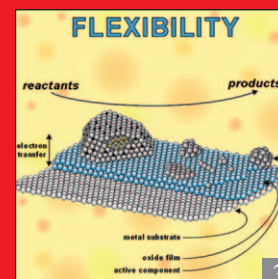
Unraveling the Mechanism of the Singlet Oxygen Ene Reaction: Recent Computational and Experimental Approaches



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