

REVIEWS

Nanocatalysis

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Nanoparticles as Semi-Heterogeneous Catalyst Supports

A. Schätz, O. Reiser, W. J. Stark*

COMMUNICATIONS

Biphasic Catalysis

The Mechanism of On-Water Catalysis

J. K. Beattie,* C. S. P. McErlean,*
C. B. W. Phippen

Nickel Intervalence Complexes

Ligand Radical Localization in a Non-symmetric One-Electron Oxidized Ni^{II} Bis-phenoxide Complex

T. Storr, P. Verma, Y. Shimazaki,*
E. C. Wasinger, T. D. P. Stack*

Self-Assembly

Ion-Induced Bicontinuous Cubic and Columnar Liquid-Crystalline Assemblies of Discotic Block Codendrimers

J.-W. Choi, M.-H. Ryu, E. Lee,
B.-K. Cho*

FULL PAPERS

Ionic Liquids

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Towards a Molecular Understanding of Cation–Anion Interactions—Probing the Electronic Structure of Imidazolium Ionic Liquids by NMR Spectroscopy, X-ray Photoelectron Spectroscopy and Theoretical Calculations (Cover picture)

T. Cremer, C. Kolbeck,
K. R. J. Lovelock, N. Paape, R. Wölfel,
P. S. Schulz, P. Wasserscheid,
H. Weber, J. Thar, B. Kirchner,
F. Maier,* H.-P. Steinrück

Kinetics

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Low-Temperature Alkane C–H Bond Activation by Zeolites: An In Situ Solid-State NMR H/D Exchange Study for a Carbenium Concerto

M. Haouas,* G. Fink, F. Taulelle,*
J. Sommer

Hydrogen Bonds

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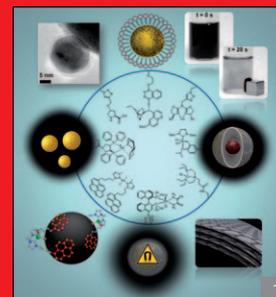
Hydrogen-Bond Dynamics of C–H...O Interactions: The Chloroform...Acetone Case

P. D. Vaz,* M. M. Nolasco,
F. P. S. C. Gil, P. J. A. Ribeiro-Claro,*
J. Tomkinson

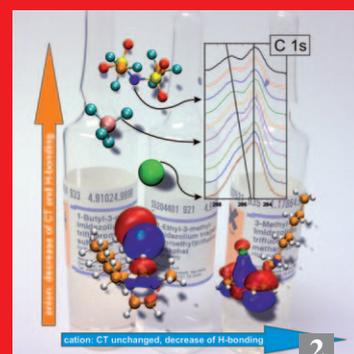
Chemical Concepts

Antibond Breaking—The Formation and Decomposition of He@Adamantane: Descriptions, Explanations, and Meaning of Concepts

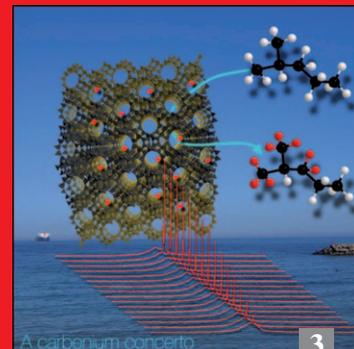
S.-G. Wang, Y.-X. Qiu,
W. H. E. Schwarz*



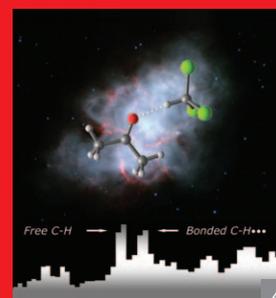
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