

CONCEPTS

Organometallic Chemistry

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S. Schulz*

Low-Valent Organometallics—Synthesis, Reactivity, and Potential Applications

COMMUNICATIONS

Reaction Mechanisms

M. Sato,* H. Yamataka,* Y. Komeiji,
Y. Mochizuki, T. Nakano

Does Amination of Formaldehyde Proceed Through a Zwitterionic Intermediate in Water? Fragment Molecular Orbital Molecular Dynamics Simulations by Using Constraint Dynamics

Asymmetric Synthesis

J.-B. Xia, W.-B. Liu, T.-M. Wang,
S.-L. You*

Enantioselective Synthesis of 3-Aza-bicyclo[4.1.0]heptenes and 3-Aza-bicyclo[3.2.0]heptenes by Ir-Catalyzed Asymmetric Allylic Amination of *N*-Tosyl Propynylamine and Pt-Catalyzed Cycloisomerization

1,2-Alkyl Migration

W. Li, Y. Li, J. Zhang*

Gold-Catalyzed Domino Reactions Consisting of Regio- and Stereoselective 1,2-Alkyl Migration

FULL PAPERS

Functionalized Ionic Liquids

2

Z. Fei, D.-R. Zhu, X. Yang, L. Meng,
Q. Lu, W. H. Ang, R. Scopelliti,
C. G. Hartinger, P. J. Dyson*

An Internal Fluorescent Probe Based on Anthracene to Evaluate Cation–Anion Interactions in Imidazolium Salts (Cover picture)

Molecular Dynamics

3

Z. G. Wang, C. L. Wang, P. Xiu,
W. P. Qi, Y. S. Tu, Y. M. Shen,
R. Zhou, R. Q. Zhang,* H. P. Fang*

Size Dependence of Nanoscale Confinement on Chiral Transformation

Cell Imaging

4

C. Song, Z. Ye, G. Wang, J. Yuan,*
Y. Guan*

A Lanthanide-Complex-Based Ratiometric Luminescent Probe Specific for Peroxynitrite

Group 14 Elements

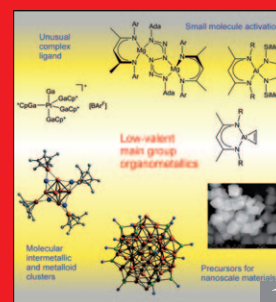
X.-D. Wen, T. J. Cahill, R. Hoffmann*

Exploring Group 14 Structures: 1D to 2D to 3D

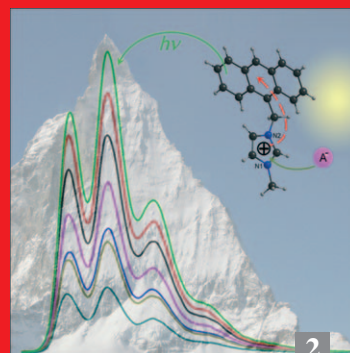
Rocket Propellants

M. Rahm, T. Brinck*

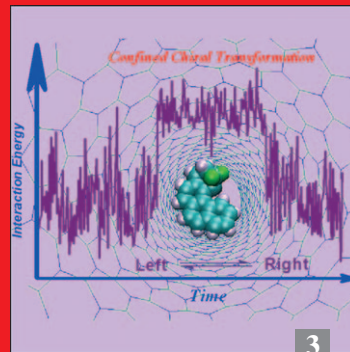
Kinetic Stability and Propellant Performance of Green Energetic Materials



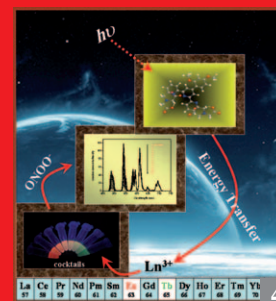
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