

MINIREVIEWS

Ionic Liquids

1

B. Wu, W. Liu, Y. Zhang,* H. Wang*

Do We Understand the Recyclability of Ionic Liquids?

COMMUNICATIONS

Fullerenes

2

K. S. Simeonov, K. Y. Amsharov,
M. Jansen*

C₈₀Cl₁₂: A Chlorine Derivative of the Chiral D₂-C₈₀ Isomer—Empirical Rationale of Halogen-Atom Addition Pattern

Heterogeneous Catalysis

P. Wang, B. Huang,* X. Zhang, X. Qin,
H. Jin, Y. Dai, Z. Wang, J. Wei,
J. Zhan, S. Wang, J. Wang,
M.-H. Whangbo

Highly Efficient Visible-Light Plasmonic Photocatalyst Ag@AgBr

FULL PAPERS

Polyoxometalates

3

T. Mitra, P. Miró, A.-R. Tomsa,
A. Merca, H. Bögge, J. B. Ávalos,
J. M. Poblet, C. Bo,* A. Müller*

Gated and Differently Functionalized (New) Porous Capsules Direct Encapsulates' Structures: Higher and Lower Density Water (Cover picture)

Organometallic Latch

4

K. Nikitin,* H. Müller-Bunz, Y. Ortin,
M. J. McGlinchey*

A Molecular Paddlewheel with a Sliding Organometallic Latch: Syntheses, X-Ray Crystal Structures and Dynamic Behaviour of [Cr(CO)₃{η⁶-2-(9-triptycyl)indene}], and of [M(CO)₃{η⁵-2-(9-triptycyl)indenyl}] (M = Mn, Re)

Sol-Gel Chemistry

T. Tu,* X. Bao, W. Assenmacher,
H. Peterlik, J. Daniels, K. H. Dötz*

Efficient Air-Stable Organometallic Low-Molecular-Mass Gelators for Ionic Liquids: Synthesis, Aggregation and Application of Pyridine-Bridged Bis(benzimidazolylidene)-Palladium Complexes

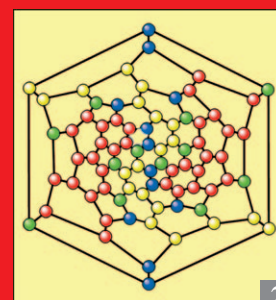
Conjugate Addition

H.-S. Sim, X. Feng, J. Yun*

Copper-Catalyzed Enantioselective β-Boration of Acyclic Enones



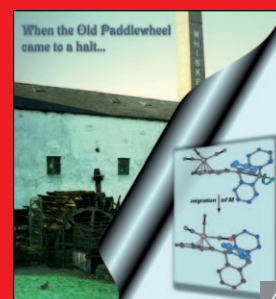
1



2



3



4