

Highlights

Hydrogen Storage

R. E. Mulvey and E. Hevia

A Record-Breaking Magnesium Hydride Molecular Cluster: Implications for Hydrogen Storage

Polymer Sequences

C. M. Thomas and J.-F. Lutz

Precision Synthesis of Biodegradable Polymers

Minireviews

Fullerene Receptors

N. Martín et al.

Wraparound Hosts for Fullerenes: Tailored Macrocycles and Cages

Reviews

Interlocked Molecules

D. A. Leigh et al.

Strategies and Tactics for the Metal-Directed Synthesis of Rotaxanes, Knots, Catenanes, and Higher Order Links

Communications

Gas-Phase Chemistry

Š. Matejčík, O. Ingólfsson et al.

The Role of Dissociative Electron Attachment in Focused Electron Beam Induced Processing: A Case Study on Cobalt Tricarbonyl Nitrosyl **(Cover Picture)**

Artificial Cells

S. Mann et al.

Cytoskeletal-like Supramolecular Assembly and Nanoparticle-Based Motors in a Model Protocell **(Inside Cover)**

Fuel Cells

J. V. Hanna, P. R. Slater, M. S. Islam et al.

Oxygen Defects and Novel Transport Mechanisms in Apatite Ionic Conductors: Combined ^{17}O NMR and Modeling Studies **(Frontispiece)**

C–H Activation

M. S. Sanford et al.

Remarkably High Reactivity of $\text{Pd}(\text{OAc})_2/\text{Pyridine}$ Catalysts: Nondirected C–H Oxygenation of Arenes **(Back Cover)**

Polycyclic Aromatics

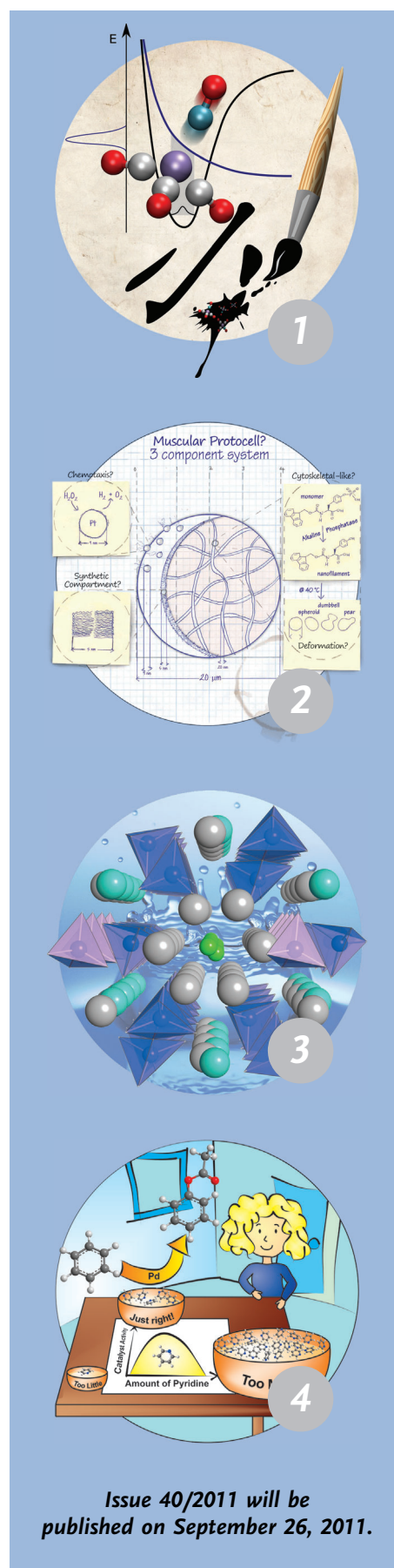
K. P. C. Vollhardt et al.

Activated Phenacenes from Phenylenes by Nickel-Catalyzed Alkyne Cycloadditions

Live Cell Imaging

R. Weissleder et al.

Bioorthogonal Probes for Polo-like Kinase 1 Imaging and Quantification



Issue 40/2011 will be
published on September 26, 2011.