

## Highlights

### Radiochemistry

P. J. H. Scott and R. Littich

Novel Strategies for Fluorine-18 Radiochemistry

### Self-Assembly

L. R. MacGillivray

Design Rules: A Net and Archimedean Polyhedra Score Big for Self-Assembly

## Minireviews

### Synthetic Chemistry

I. Churcher et al.

Lead-Oriented Synthesis: A New Opportunity for Synthetic Chemistry

## Reviews

### Terpenes

E. Oldfield and F.-Y. Lin

Terpene Biosynthesis: Modularity Rules

## Communications

### Structural Biology

K. Gerwert et al.

Prediction of a Ligand-Binding Niche within a Human Olfactory Receptor by Combining Site-Directed Mutagenesis with Dynamic Homology Modeling **(Cover Picture)**

### Nanocontainers

B. V. Parakhonskiy et al.

Sub-Micron Vaterite Containers: Synthesis, Substance Loading, and Release **(Inside Cover)**

### Self-Healing Materials

A. Takahara, H. Otsuka et al.

Self-Healing of Chemical Gels Cross-Linked by Diarylbibenzofuranone-Based Trigger-Free Dynamic Covalent Bonds at Room Temperature **(Frontispiece)**

### Metal–Organic Frameworks

S. H. Jhung and N. A. Khan

Remarkable Adsorption Capacity of CuCl<sub>2</sub>-Loaded Porous Vanadium Benzenedicarboxylate for Benzothiophene **(Inside Back Cover)**

### Single-Molecule Spectroscopy

J. Kärger, C. Bräuchle et al.

Single-Particle and Ensemble Diffusivities—Test of Ergodicity **(Back Cover)**

### Synthetic Methods

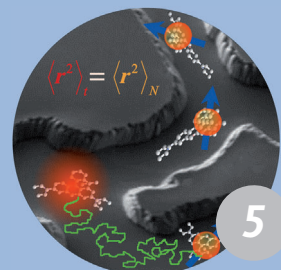
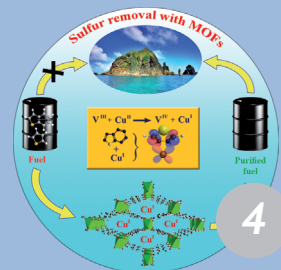
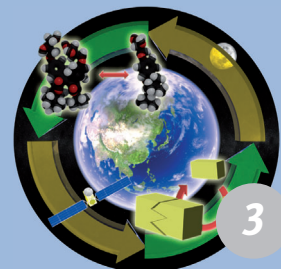
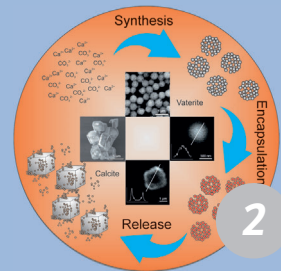
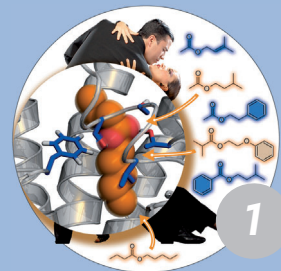
G. Hilt et al.

Up the Hill: Selective Double-Bond Isomerization of Terminal 1,3-Dienes towards Z-1,3-Dienes or Z,Z,E-Dienes

### Molecular Devices

X. Liang, H. Asanuma et al.

A Photon-Fueled DNA Nanodevice that Contains Two Different Photoswitches



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