

Highlights

Oxyallyl Diradical

H. F. Bettinger

The Oxyallyl Diradical: Observation of the Singlet and Triplet State by Negative-Ion Photoelectron Spectroscopy

Chiral Tetraphenylenes

A. Rajca and S. Rajca

Asymmetric Synthesis of Chiral Tetraphenylenes

Reviews

α -Arylation

T. J. Colacot and C. C. C. Johansson

Metal-Catalyzed α -Arylation of Carbonyl and Related Molecules: Novel Trends in C–C Bond Formation by C–H Bond Functionalization

Communications

Organic Semiconductors

Z. Bao, F. Würthner et al.

A Crystal-Engineered Hydrogen-Bonded Octachloroperylene Diimide with a Twisted Core: An n-Channel Organic Semiconductor (**Cover Picture**)

Cyclophanes

S. Yamago et al.

Synthesis of [8]Cycloparaphenylene from a Square-Shaped Tetranuclear Platinum Complex

Gels

M. Lemmers et al.

Multiresponsive Reversible Gels Based on Charge-Driven Assembly

Dynamic Materials

L. A. Lyon and A. B. South

Autonomic Self-Healing of Hydrogel Thin Films

Lewis Superacid Catalysis

V. Dalla, E. Duñach et al.

N-Acyliminium Ion Chemistry: Highly Efficient and Versatile Carbon–Carbon Bond Formation by Nucleophilic Substitution of Hydroxy Groups Catalyzed by $\text{Sn}(\text{NTf}_2)_4$

C–H Activation

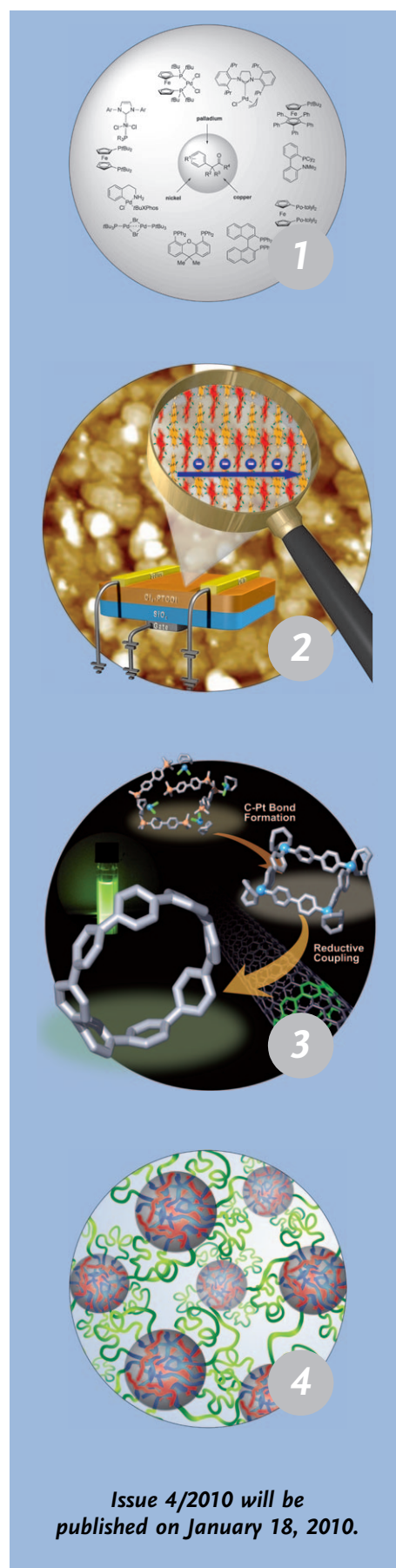
B. H. Lipshutz et al.

Room Temperature C–H Activation and Cross-Coupling of Aryl Ureas in Water

Quantum Dots

M. G. Bawendi et al.

Mechanistic Insights into the Formation of InP Quantum Dots



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