

Highlights

Cross-Coupling

M. Stradiotto and R. J. Lundgren

Transition-Metal-Catalyzed Trifluoromethylation of Aryl Halides

Nanoparticle SERS

D. Graham

The Next Generation of Advanced Spectroscopy: Surface Enhanced Raman Scattering from Metal Nanoparticles

Surface Modifications

A. Götzhäuser and I. Utke

Small, Minimally Invasive, Direct: Electrons Induce Local Reactions of Adsorbed Functional Molecules on the Nanoscale

Minireviews

Genealogy of Graphene

R. S. Ruoff, C. W. Bielawski et al.

From Conception to Realization: An Historical Account of Graphene and Some Perspectives for Its Future

Essays

Graphene Research

H.-P. Boehm

Graphene—How a Laboratory Curiosity Suddenly Became Extremely Interesting

Reviews

Salinosporamides

B. S. Moore and T. A. M. Gulder

Salinosporamide Natural Products: Potent 20S Proteasome Inhibitors as Promising Cancer Chemotherapeutics

Communications

Organic Sol–Gel Process

J. W. Park et al.

Organic Sol–Gel Synthesis: Solution-Processable Microporous Organic Networks (**Cover Picture**)

Vesicular Adhesion

G. John et al.

Adhesive Vesicles through Adaptive Response of a Biobased Surfactant

Core/Shell Nanoparticles

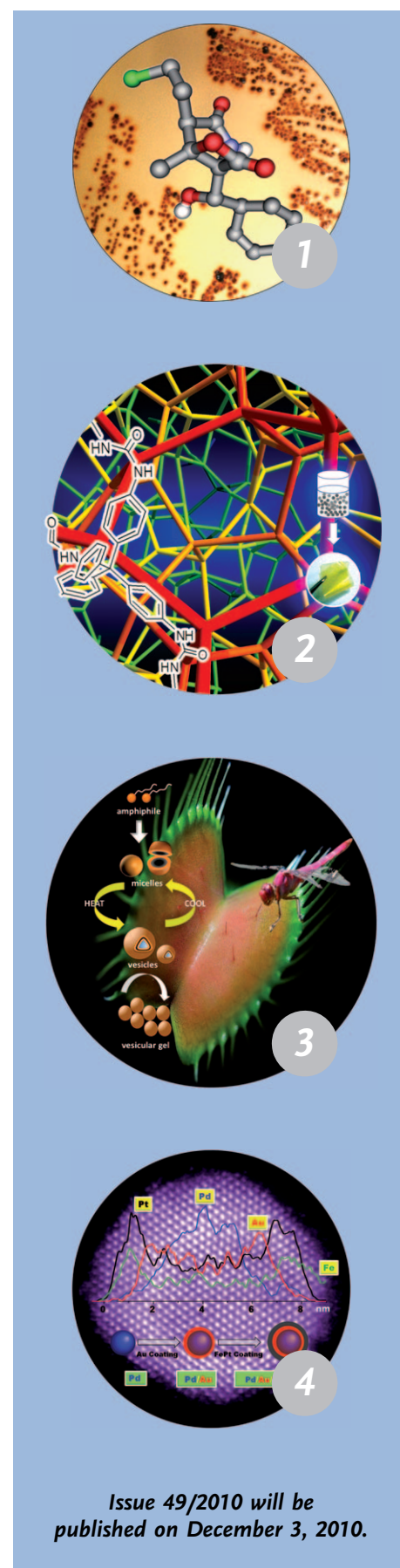
S. Sun et al.

Synthesis and Characterization of Multimetallic Pd/Au and Pd/Au/FePt Core/Shell Nanoparticles

DNA Nanotechnology

C. M. Niemeyer et al.

Orthogonal Protein Decoration of DNA Origami



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