

Highlights

Expanded Porphyrins

P. J. Chmielewski

Lucky Seven: Characterization of Stable T-Shaped Copper(II) Complexes of [32]Heptaphyrins

Molecular Electronics

U. Pischel

Advanced Molecular Logic with Memory Function

Reviews

Nanoscience

C. Feldmann and H. Goesmann

Nanoparticulate Functional Materials (Cover Picture)

Communications

Sensors

J. Y. Lee, J. Yoon et al.

Thin-Film Formation of Imidazolium-Based Conjugated Polydiacetylenes and Their Application for Sensing Anionic Surfactants

Biosensors

N. Hildebrandt et al.

Quantum Dot Biosensors for Ultrasensitive Multiplexed Diagnostics

ATP Detection

M. S. Strano et al.

A Luciferase/Single-Walled Carbon Nanotube Conjugate for Near-Infrared Fluorescent Detection of Cellular ATP

Dihydrogen Activation

S. Grimme, G. Erker et al.

The Mechanism of Dihydrogen Activation by Frustrated Lewis Pairs Revisited

Homogeneous Catalysis

D. Milstein et al.

Direct Synthesis of Imines from Alcohols and Amines with Liberation of H₂

Spin Transitions

C. Achim, K. R. Dunbar et al.

An Unprecedented Charge Transfer Induced Spin Transition in an Fe–Os Cluster

Nanolithography

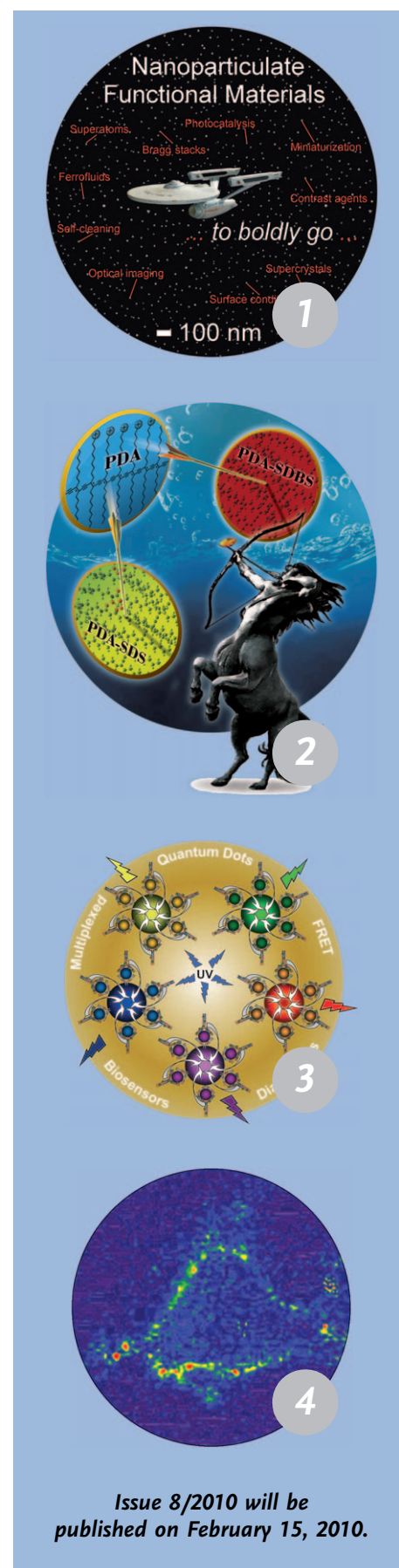
R. de La Rica, H. Matsui et al.

Biomimetic Crystallization Nanolithography: Simultaneous Nanopatterning and Crystallization

Mass Spectrometry of Proteins

R. A. Zubarev and H. Yang

Multiple Soft Ionization of Gas-Phase Proteins and Swift Backbone Dissociation in Collisions with ≤ 99 eV Electrons



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