

Highlights

C–H Activation

V. Gevorgyan and A. S. Dudnik

Formal Inverse Sonogashira Reaction:
Direct Alkynylation of Arenes and
Heterocycles with Alkynyl Halides

Bioinorganic Chemistry

W. Nam et al.

A Biomimetic Ferric Hydroperoxo
Porphyrin Intermediate

Minireviews

Phosphenidenes

K. Lammertsma et al.

1 Nucleophilic Phosphenidene Complexes:
Access and Applicability

Reviews

Biosensors and Carbon Nanomaterials

F. Braet et al.

2 Carbon Nanomaterials in Biosensors:
Should You Use Nanotubes or Graphene?

Communications

Hypervalent Compounds

K. Ishihara et al.

3 Enantioselective Kita Oxidative
Spirolactonization Catalyzed by In Situ
Generated Chiral Hypervalent Iodine(III)
Species (**Cover Picture**)

Nanoparticle Catalysts

G. Yin, Y. Lin et al.

4 Electrostatic Self-Assembly of a Pt-
around-Au Nanocomposite with High
Activity towards Formic Acid Oxidation

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Catalytic Asymmetric Si–O Coupling of
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Functionalized Alcohols

Cross-Coupling

J. F. Hartwig et al.

Copper(I) Phenoxide Complexes in the
Etherification of Aryl Halides

Ultrasoft Colloids

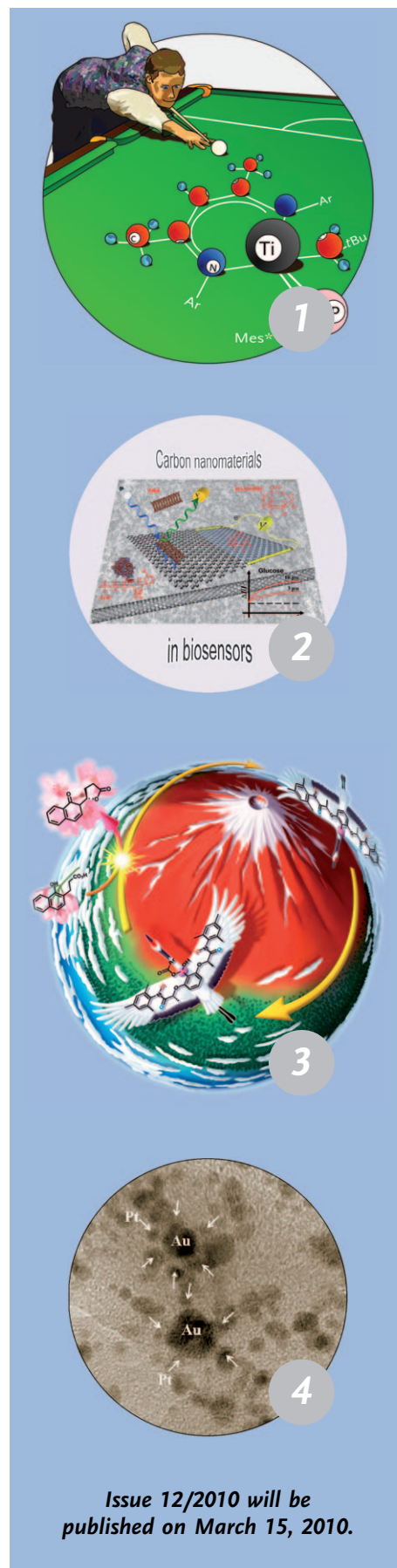
L. A. Lyon and G. R. Hendrickson

Microgel Translocation through Pores
under Confinement

C–H Functionalization

M. Miura et al.

Nickel-Catalyzed Direct C–H Arylation
and Alkenylation of Heteroarenes with
Organosilicon Reagents



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