

Highlights

Arene Functionalization

A. Jacobi von Wangelin and
C. E. I. Knappke

A Synthetic Double Punch: Suzuki–Miyaura Cross-Coupling Mates with C–H Functionalization

Reviews

Hydrated DNA

T. Elsaesser et al.

Ultrafast Vibrational Dynamics and Local Interactions of Hydrated DNA

Biofuels

K. Kohse-Höinghaus et al.

Biofuel Combustion Chemistry: From Ethanol to Biodiesel
(Cover Picture)

Communications

Supramolecular Chemistry

R. G. Bergman, K. N. Raymond et al.

The Steric Isotope Effect in a Supramolecular Host–Guest Exchange Reaction

Phototriggering

A. B. Smith, III, R. M. Hochstrasser et al.

Tetrazine Phototriggers: Probes for Peptide Dynamics

Supramolecular Chemistry

G. P. Spada et al.

Triggering of Guanosine Self-Assembly by Light

Nanotechnology

X. P. Gao et al.

Carbon Nanotubes with Titanium Nitride as a Low-Cost Counter-Electrode Material for Dye-Sensitized Solar Cells

Vaccine Synthesis

H. Kunz et al.

Fully Synthetic Vaccines Consisting of Tumor-Associated MUC1 Glycopeptides and a Lipopeptide Ligand of the Toll-like Receptor 2

Structural Biology

D. O'Hagan et al.

Halomethane Biosynthesis: Structure of a SAM-Dependent Halide Methyltransferase from *Arabidopsis thaliana*

Arene Functionalization

M. Niggemann and M. J. Meel

Calcium-Catalyzed Friedel–Crafts Alkylation at Room Temperature

