

CONCEPTS

Heterocyclic Compounds

1

J. D. Sunderhaus, S. F. Martin*

Applications of Multicomponent Reactions to the Synthesis of Diverse Heterocyclic Scaffolds

COMMUNICATIONS

DNA Recognition

2

A. Granzhan, M.-P. Teulade-Fichou*

A Fluorescent Bisanthracene Macrocycle Discriminates between Matched and Mismatch-Containing DNA

C–C Coupling

C. Torborg, J. Huang, T. Schulz,
B. Schäffner, A. Zapf,
A. Spannenberg, A. Börner,
M. Beller*

Improved Palladium-Catalyzed Sonogashira Coupling Reactions of Aryl Chlorides

Copper Rotaxanes

G. Periyasamy, J.-P. Collin,
J.-P. Sauvage, R. D. Levine,
F. Remacle*

Electrochemically Driven Sequential Machines: An Implementation of Copper Rotaxanes

FULL PAPERS

Gas Sensors

3

R. Ziesel*, G. Ulrich, A. Harriman,
M. A. H. Alamiry, B. Stewart,
P. Retailleau

Solid-State Gas Sensors Developed from Functional Difluoroboradiazaindacene Dyes (Cover picture)

Solid-Phase Synthesis

4

K. Heinze*, K. Hempel

Solid-Phase Synthesis of Peptide Libraries Combining α -Amino Acids with Inorganic and Organic Chromophores

Nanomaterials

L. Zhou, C. Gao*, D. Zhu, W. Xu*,
F. F. Chen, A. Palkar, L. Echegoyen,
E. S.-W. Kong*

Facile Functionalization of Multilayer Fullerenes (Carbon Nano-Onions) by Nitrene Chemistry and “Grafting from” Strategy

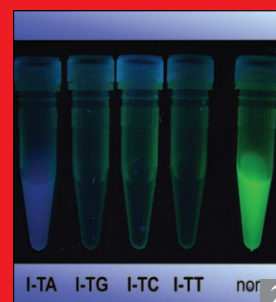
Enzyme catalysis

Q. Jing, K. Okrasa, R. J. Kazlauskas*

Stereoselective Hydrogenation of Olefins Using Rhodium-Substituted Carbonic Anhydrase—A New Reductase



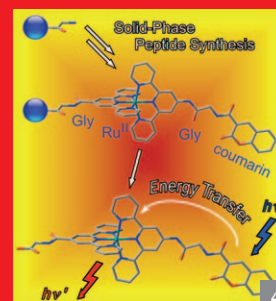
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