

CONCEPTS

Biosensors

1

K. J. Oh, K. J. Cash, K. W. Plaxco*

Beyond Molecular Beacons: Optical Sensors Based on the Binding-Induced Folding of Proteins and Polypeptides

COMMUNICATIONS

Carbohydrates

2

T. Nokami, A. Shibuya, S. Manabe,*
Y. Ito, J. Yoshida*

α - and β -Glycosyl Sulfonium Ions: Generation and Reactivity

Asymmetric Catalysis

A. Baeza, A. Pfaltz*

Iridium-Catalyzed Asymmetric Hydrogenation of Unfunctionalized Enamines

FULL PAPERS

Conjugated Glycopolymers

3

C. Xue, S. Velayudham, S. Johnson,
R. Saha, A. Smith, W. Brewer,
P. Murthy, H. Liu

Highly Water-Soluble, Fluorescent, Conjugated Fluorene-Based Glycopolymers with Poly(ethylene glycol)-Tethered Spacers for Sensitive Detection of *Escherichia coli* (Cover picture)

Dendrimers

4

S.-Y. Cheung, H.-F. Chow,* T. Ngai,
X. Wei

Synthesis of Organometallic Poly-(dendrimer)s by Macromonomer Polymerization: Effect of Dendrimer Size and Structural Rigidity on the Polymerization Efficiency

Heterogeneous Catalysis

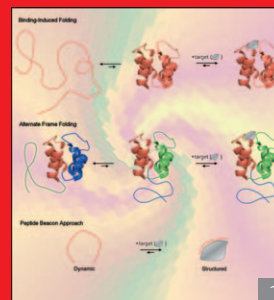
K.-i. Shimizu,* K. Suguno, K. Sawabe,
A. Satsuma

Oxidant-Free Dehydrogenation of Alcohols Heterogeneously Catalyzed by Cooperation of Silver Clusters and Acid-Base Sites on Alumina

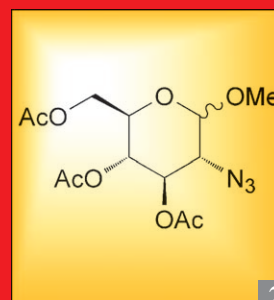
Sustainable Chemistry

J. Börner, U. Flörke, K. Huber,
A. Döring, D. Kuckling,
S. Herres-Pawlis*

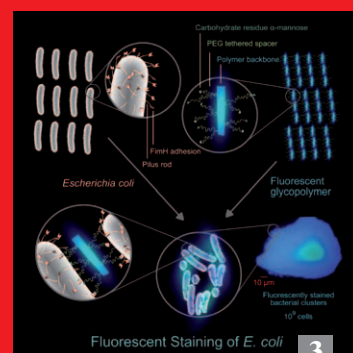
Lactide Polymerisation with Air-Stable and Highly Active Zinc Complexes with Guanidine-Pyridine Hybrid Ligands



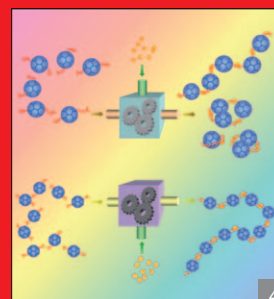
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