

REVIEWS

Total Synthesis

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Syntheses of Fumagillin and Ovalicin

J. Yamaguchi, Y. Hayashi*

COMMUNICATIONS

Cross-Coupling Reactions

L. J. Gooßen,* P. P. Lange,
N. Rodríguez, C. Linder

Low-Temperature Ag/Pd-Catalyzed Decarboxylative Cross-Coupling of Aryl Triflates with Aromatic Carboxylate Salts

Asymmetric Synthesis

A. M. Flock, C. M. M. Reucher,
C. Bolm*

Enantioenrichment by Iterative Retro-Aldol/Aldol Reaction Catalyzed by an Achiral or Racemic Base

Asymmetric Catalysis

Y. Wang, D.-F. Yu, Y.-Z. Liu, H. Wei,
Y.-C. Luo, D. J. Dixon, P.-F. Xu*

Multiple-Organocatalyst-Promoted Cascade Reaction: A Fast and Efficient Entry into Fully Substituted Piperidines

FULL PAPERS

Rotaxanes

2

L. Zalewski,* M. Wykes, S. Brovelli,
M. Bonini, T. Breiner, M. Kastler,
F. Dötz, D. Beljonne,*
H. L. Anderson,* F. Cacialli,*
P. Samorì*

A Conjugated Thiophene-Based Rotaxane: Synthesis, Spectroscopy, and Modeling (Cover picture)

Imaging Agents

3

C.-K. Koo, L. K.-Y. So, K.-L. Wong,
Y.-M. Ho, Y.-W. Lam,*
M. H.-W. Lam,* K.-W. Cheah,
C. C.-W. Cheng, W.-M. Kwok

A Triphenylphosphonium-Functionalised Cyclometalated Platinum(II) Complex as a Nucleolus-Specific Two-Photon Molecular Dye

Metal–Organic Frameworks

4

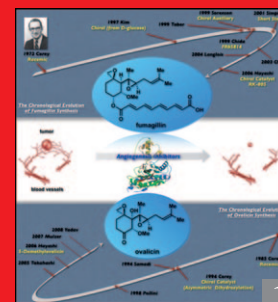
S. R. Bajpe,* C. E. A. Kirschhock,*
A. Aerts, E. Breynaert, G. Absillis,
T. N. Parac-Vogt, L. Giebeler,
J. A. Martens

Direct Observation of Molecular-Level Template Action Leading to Self-Assembly of a Porous Framework

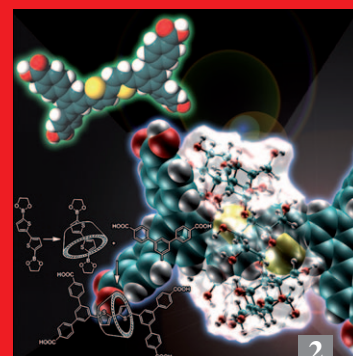
Electrochemical Oxidation

P. G. Kirira, M. Kuriyama,
O. Onomura*

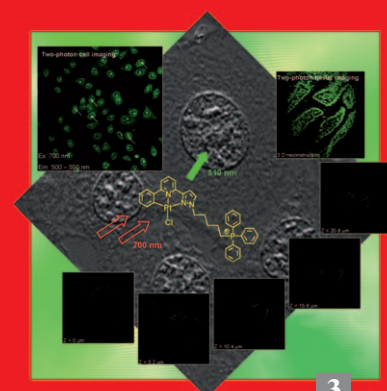
Electrochemical Deallylation of α -Allyl Cyclic Amines and Synthesis of Optically Active Quaternary Cyclic Amino Acids



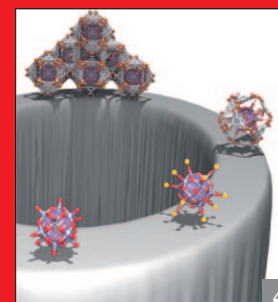
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