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Cover

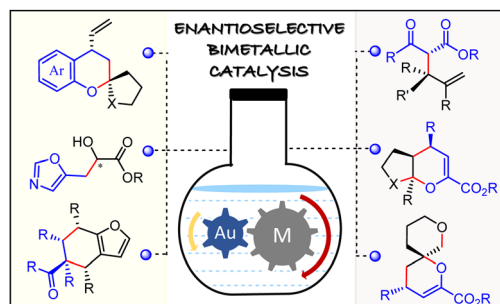
See Hui Zhang *et al.*,
pp. 8063–8066.
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Chem. Commun.,
2023, 59, 8063.

HIGHLIGHTS

8007

Gold-based enantioselective bimetallic catalysis

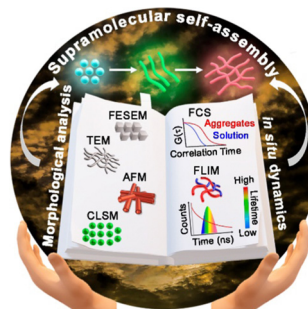
Shivhar B. Ambegave, Shubham, Tushar R. More and
Nitin T. Patil*



8017

Fluorescence correlation spectroscopy and fluorescence lifetime imaging microscopy for deciphering the morphological evolution of supramolecular self-assembly

Subhankar Kundu, Subhadeep Das and Abhijit Patra*



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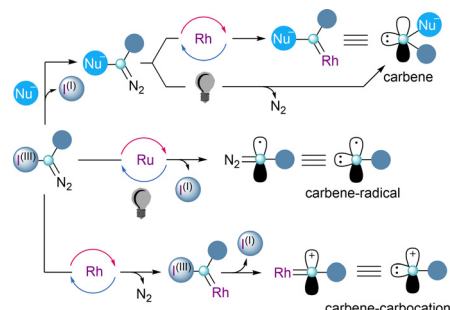


FEATURE ARTICLES

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 α -Diazo- λ^3 -iodanes and α -diazo sulfonium salts: the umpolung of diazo compounds

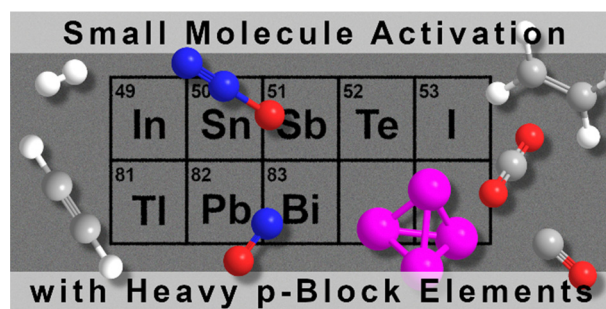
Sven Timmann and Manuel Alcarazo*



8043

Small molecule activation by well-defined compounds of heavy p-block elements

Kai Oberdorf and Crispin Lichtenberg*

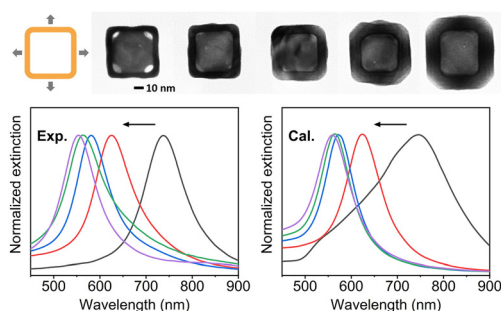


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On the role of wall thickness in determining the plasmonic properties of silver-gold nanocages

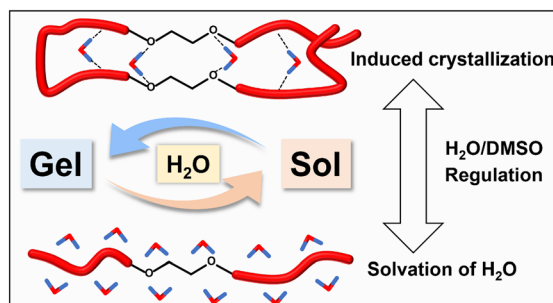
Shikuan Shao, Ankai Wang, Ria Gupta, Shengli Zou* and Xiaohu Xia*



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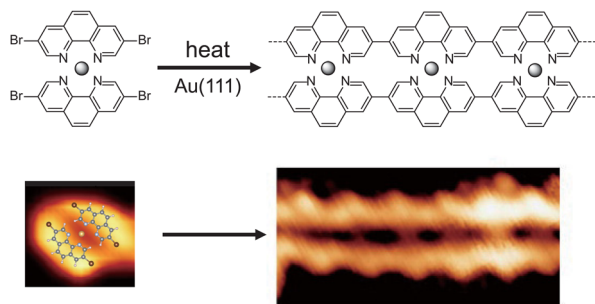
Reversible organohydrogels based on dynamic hydrogen bonding among water, dimethyl sulfoxide, and polyethylene glycol

Qinbo Jiang, Meiyu Chen, Zeyu Qin, Jiawen Li and Hui Zhang*



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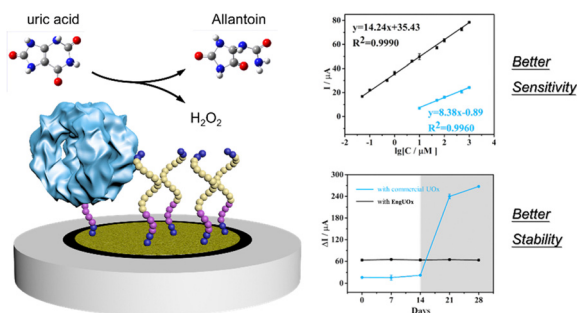
8067



Steering on-surface polymerization through coordination with a bidentate ligand

Hao Jiang, Jiayi Lu, Fengru Zheng, Zhiwen Zhu, Yuyi Yan and Qiang Sun*

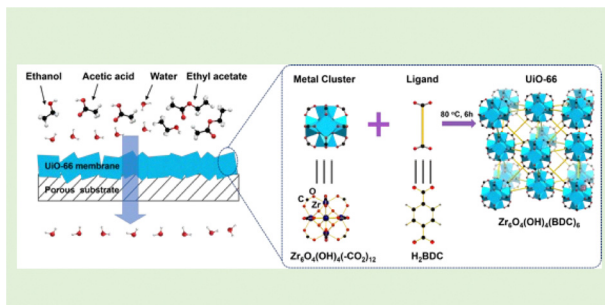
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A high-performance electrochemical biosensor using an engineered urate oxidase

Zheng Wei, Tanja Knaus, Yuxin Liu, Ziran Zhai, Andrea F. G. Gargano, Gadi Rothenberg, Ning Yan and Francesco G. Mutti*

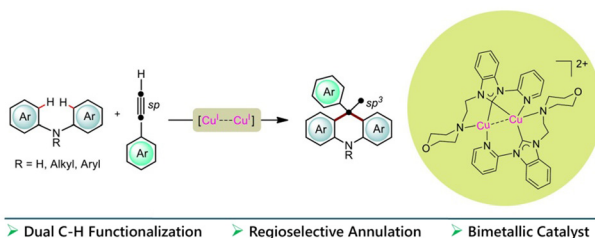
8075



Zr-MOF membranes with ultra-fast water-selective permeation towards intensification of esterification reaction

Guozhen Liu, Zhenggang Wang, Cailing Chen,* Jiahui Li, Guangyuan Zhou, Wenqi Ji, Gongping Liu* and Wanqin Jin

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Hydroarylation of alkynes *via* dual *ortho*-C–H functionalization of diaryl amines on a dicopper(I,I) platform

Nilay Kumar Pal, Moumita Patra, Prabhakar K. Pandey and Jitendra K. Bera*

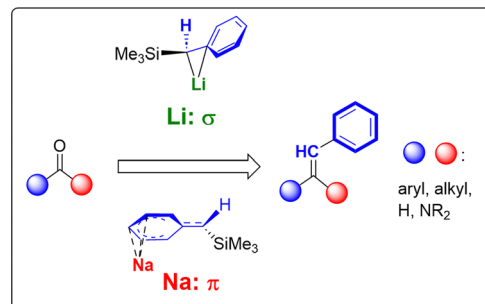


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Monomeric lithium and sodium silylbenzyl complexes: syntheses, structures, and C=O bond olefination

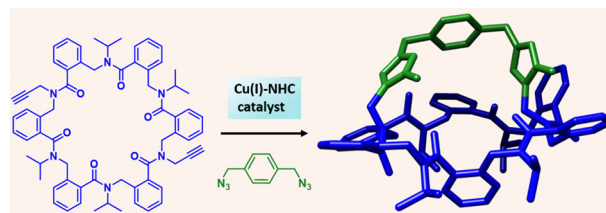
Jordan Barker, Nathan Davison, Paul G. Waddell and Erli Lu*



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Cage-like structures based on constrained cyclic arylopeptoids

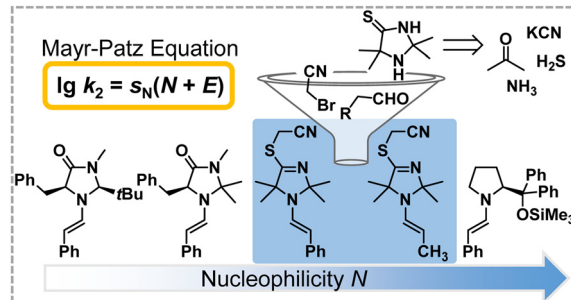
Ayman Akhdar, Lionel Nauton, Laurent Jouffret, Sophie Faure* and Arnaud Gautier*



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The effect of S-alkylation on organocatalytic enamine activation through imidazolidine-4-thiones

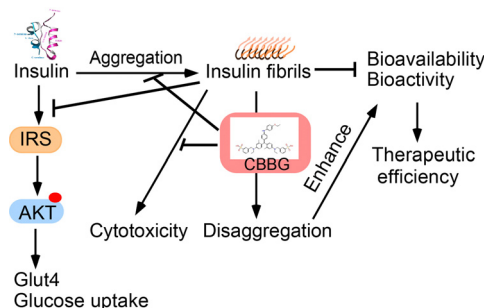
Magenta J. Hensinger, Anna C. Closs, Oliver Trapp* and Armin R. Ofial*



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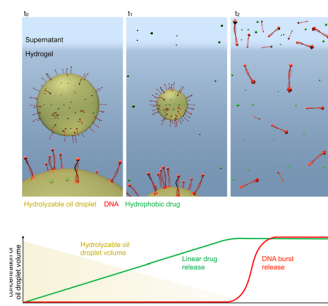
Coomassie brilliant blue G-250 acts as a potential chemical chaperone to stabilize therapeutic insulin

Ranit Pariary, Sandip Dolui, Gourav Shome, Sk Abdul Mohid, Achintya Saha, Bhisma N. Ratha, Amaravathi Harikishore, Kuladip Jana, Atin K. Mandal,* Anirban Bhunia* and Nakul C. Maiti*



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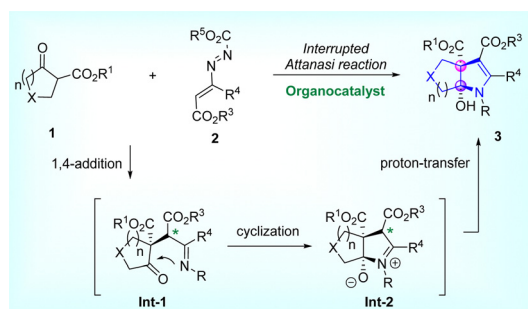
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Hydrolyzable emulsions as a dual release platform for hydrophobic drugs and DNA

Laura Tebcharani, Nahida Akter, Di Fan, Oliver Lieleg, Julianne M. Gibbs and Job Boekhoven*

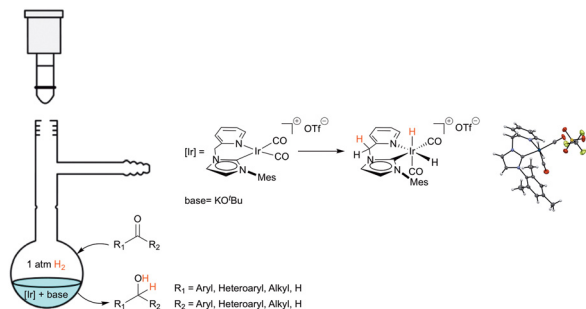
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Catalytic asymmetric interrupted Attanasio reaction: access to fused 2,3-dihydropyrroles with vicinal quaternary carbons

Yun-Xuan Chen, Tian-Jiao Han, Xiao Xiao, Min-Can Wang* and Guang-Jian Mei*

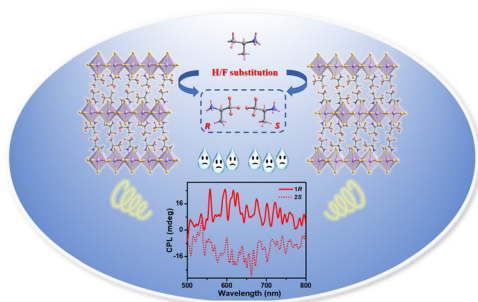
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An ambient pressure, direct hydrogenation of ketones

Long Zhang, Zhiyao Lu, Andrew R. Rander and Travis J. Williams*

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Regulating structural asymmetry via fluorination engineering in hybrid lead bromide perovskites

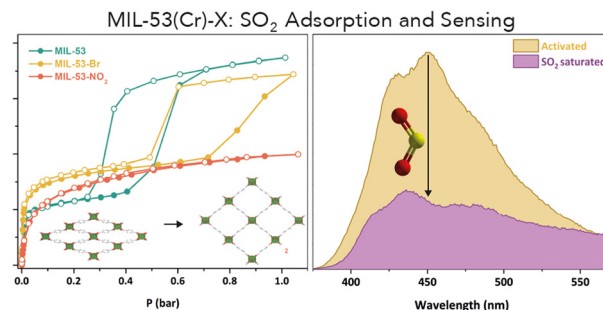
Hua-Yang Ru, Zhao-Yang Wang, Hua-Li Liu* and Shuang-Quan Zang*



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Modulated self-assembly of three flexible Cr(III) PCPs for SO₂ adsorption and detection

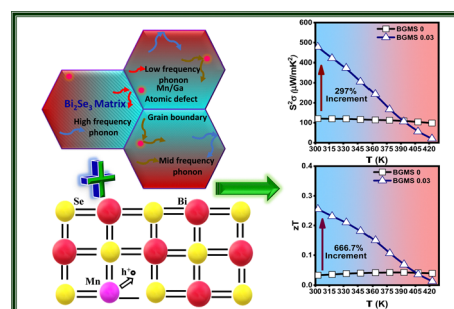
Valeria B. López-Cervantes, Dominic Bara, Ana Yañez-Aulestia, Eva Martínez-Ahumada, Alfredo López-Olvera, Yoarhy A. Amador-Sánchez, Diego Solis-Ibarra,* Eli Sánchez-González, Ilich A. Ibarra* and Ross S. Forgan*



8119

Ultra-high power factor of p-type Bi₂Se₃ for room-temperature thermoelectric applications

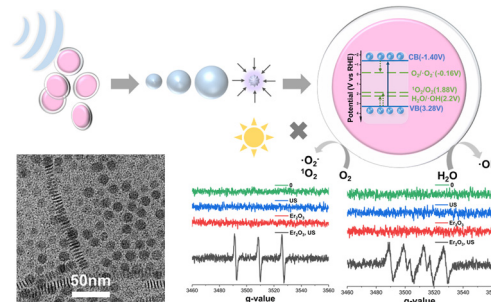
V. Vijay, S. Harish, J. Archana* and M. Navaneethan*



8123

Erbium oxide nanoplates as a sonosensitizer devoid of photosensitivity

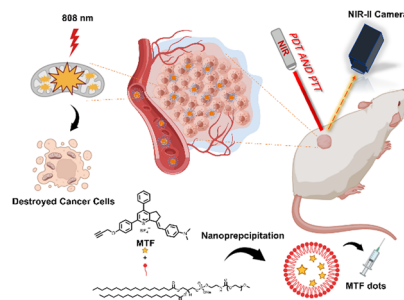
Yingfan Dai, Ruihao Yang, Zeinab Marfavi, Quanjie Lv, Yijun Han, Kang Sun, Danhong Wu* and Ke Tao*



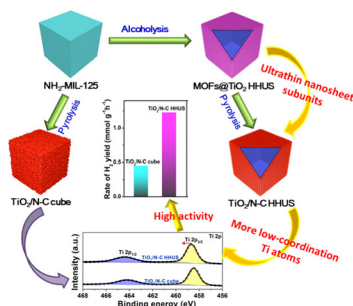
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Mitochondria-targeted fluorophores for *in vivo* NIR-II imaging-guided PDT/PTT

Qihang Ding, Ling Mei, Yu Liu, Shan Zhou, Lu Chen, Yuying Liang, Mingle Li, Hui Zhou,* Chao Yin* and Jong Seung Kim*



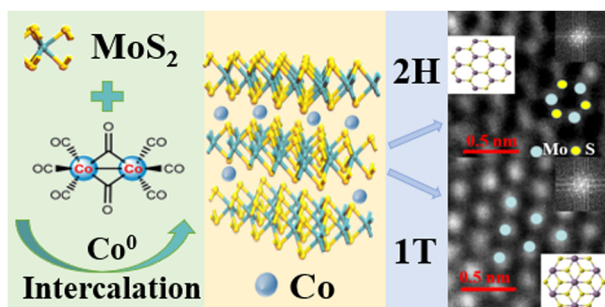
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Construction of a micro–nano reactor assembled by TiO₂/N–C ultrathin sheets for photocatalytic H₂ evolution

Yu Wang, Wenwen Zhan, Lei Yang, Jianwei Zhao, Liming Sun,* Xiaojun Wang and Xiguang Han*

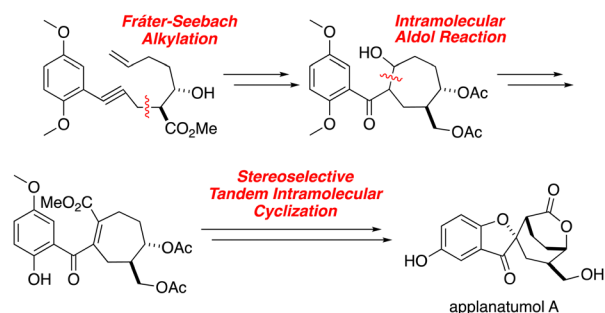
8135



Exfoliation of MoS₂ by zero-valent transition metal intercalation

Duanduan Zhao, Song Xu,* Hengan Wang, Yonglong Shen and Qun Xu*

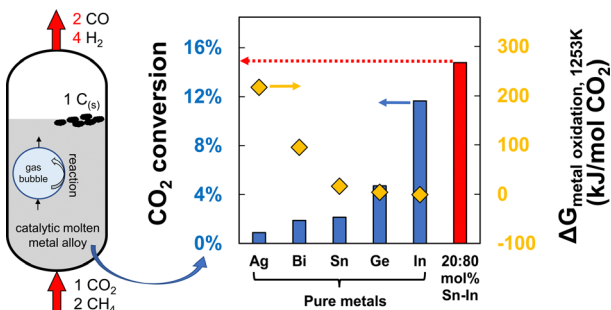
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Total synthesis of applanatumol A

Kyohei Uchida, Yuichiro Kawamoto, Toyoharu Kobayashi and Hisanaka Ito*

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New molten metal catalysts for CO₂ and CH₄ conversion to 2:1 H₂:CO syngas

Genpei Cai, Zhiyuan Zong, Kevin J. Smith and D. Chester Upham*

