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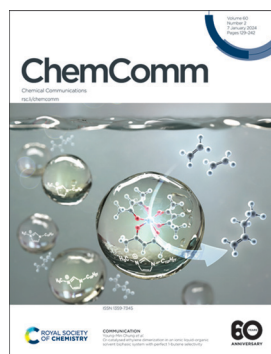
Chemical Communications

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ISSN 1359-7345 CODEN CHCOFS 60(2) 129-242 (2024)



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Inside cover

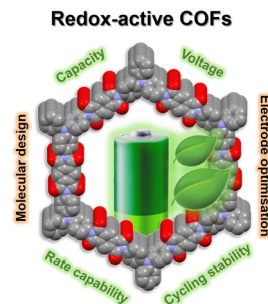
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HIGHLIGHT

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Organic electrodes based on redox-active covalent organic frameworks for lithium batteries

Raquel Dantas, Catarina Ribeiro and Manuel Souto*

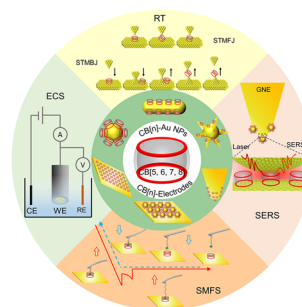


FEATURE ARTICLE

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Emerging sensing platforms based on Cucurbit[n]uril functionalized gold nanoparticles and electrodes

Tao Ma, Shuai Chang, Jin He* and Feng Liang*



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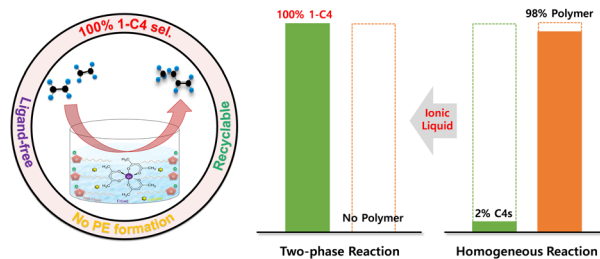
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Cr-catalysed ethylene dimerization in an ionic liquid-organic solvent biphasic system with perfect 1-butene selectivity

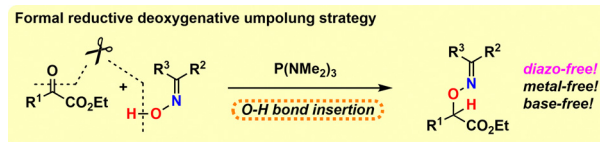
Nguyen Thi Kim Chau, Seungwan Kim, Hyo-Jun Lee, Minjae Lee and Young-Min Chung*



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Synthesis of oxime ethers *via* a formal reductive O–H bond insertion of oximes to α -keto esters

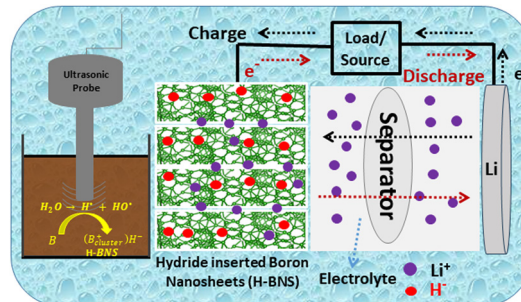
Norihiko Takeda, Ryoya Maeda, Motohiro Yasui and Masafumi Ueda*



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Sonochemically synthesized hydride-stabilized boron nanosheets *via* radical-assisted oxidative exfoliation for energy storage applications

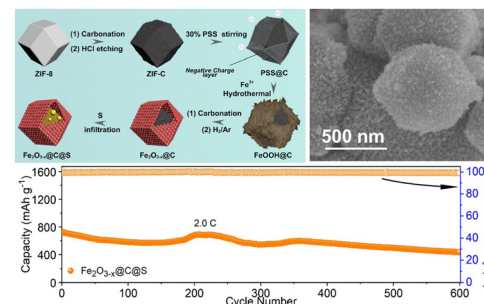
Anandhakumar Sukeri, Swati Panigrahi and Kothandaraman Ramanujam*



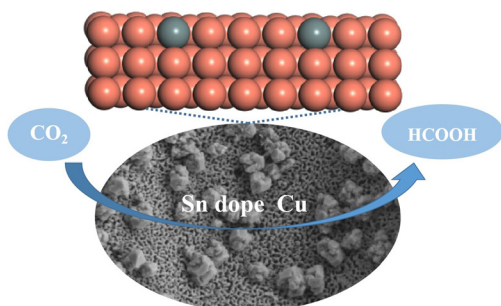
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Core-shell oxygen-deficient Fe₂O₃ polyhedron serves as an efficient host for sulfur cathode

Jun Pu,* Ziyang Huang, Jie Wang,* Yun Tan, Shanshan Fan and Zhenghua Wang



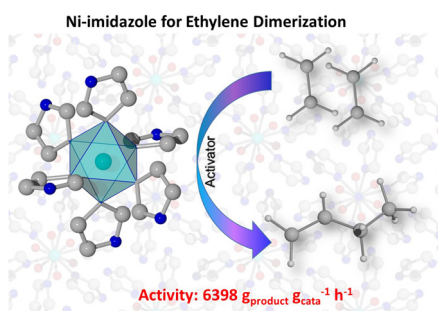
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Dealloying-derived nanoporous Sn-doped copper with prior selectivity toward formate for CO₂ electrochemical reduction

Hefeng Yuan,* Bohao Kong, Zehao Liu, Li Cui and Xiaoguang Wang*

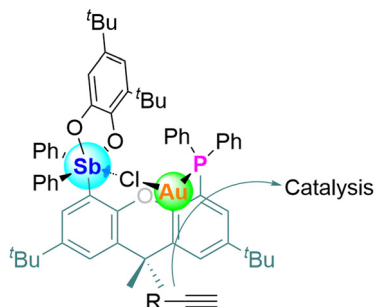
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Facile preparation of a Ni-imidazole compound with high activity for ethylene dimerization

Zhaohui Liu, Guanxing Li, Mohammed R. Alalouni, Ziyin Chen, Xinglong Dong,* Jianjian Wang and Cailing Chen*

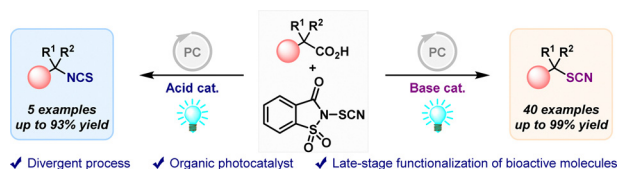
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Pnictogen bonding at the service of gold catalysis: the case of a phosphinostiborane gold complex

Benyu Zhou, Shantabh Bedajna and François P. Gabbaï*

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Divergent process for the catalytic decarboxylative thiocyanation and isothiocyanation of carboxylic acids promoted by visible light

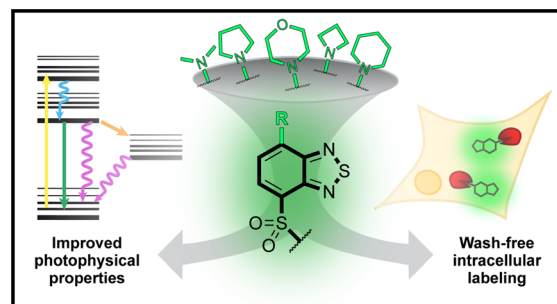
Jordan Vigier, Mélissa Gao, Philippe Jubault, H el ene Lebel* and Tatiana Besset*



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Engineered fluorogenic HaloTag ligands for turn-on labelling in live cells

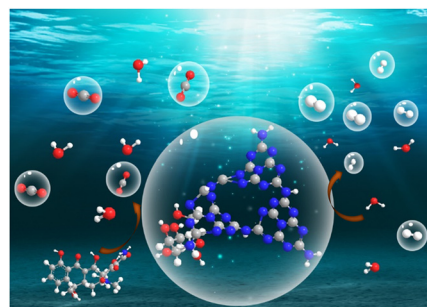
Bryan J. Lampkin* and Joshua A. Kritzer*



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Critical role of hydrogen bonding between microcrystalline cellulose and g-C₃N₄ enables highly efficient photocatalysis

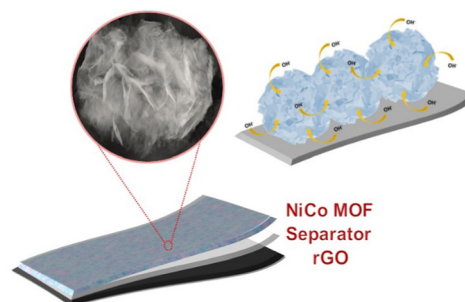
Zhaoqiang Wang, Guixiang Ding, Juntao Zhang, Xianqing Lv, Peng Wang, Li Shuai, Chunxue Li,* Yonghao Ni* and Guangfu Liao*



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A high valence binary metalorganic framework as an electrode material for aqueous asymmetric supercapacitors

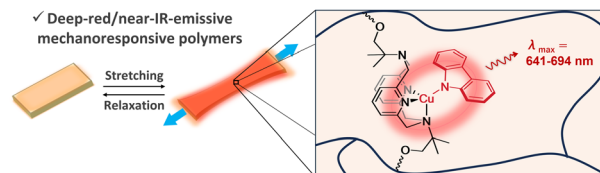
T. B. Naveen, D. Durgalakshmi,* S. Balakumar and R. Ajay Rakkesh*



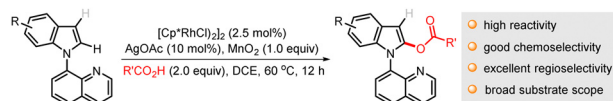
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Deep-red photoluminescent mechanoresponsive polymers with dynamic Cu^I-arylamide mechanophores

Tatiana Gridneva, Ayumu Karimata, Richa Bansal, Robert R. Fayzullin, Serhii Vasylevskyi, Andrew Bruhacs and Julia R. Khusnutdinova*



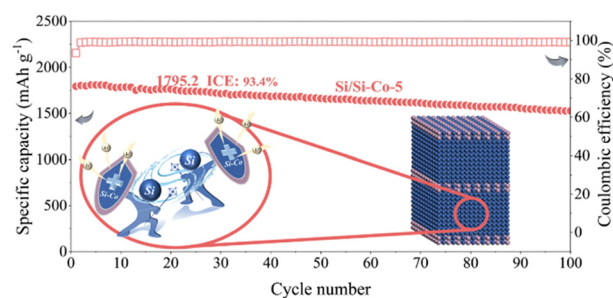
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Rh(III)-catalyzed selective C2 C–H acyloxylation of indoles

Chaoying Fang, Li Li, Haitao Yang, Caiyang Kong, Jitan Zhang,* Meihua Xie* and Jiaping Wu*

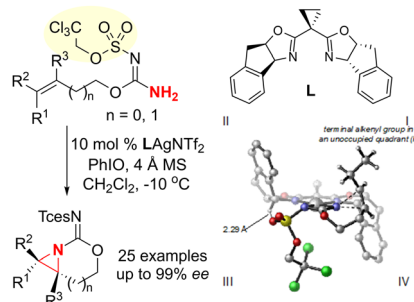
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Interfacial engineering of Si anodes by confined doping of Co toward high initial coulombic efficiency

Yuanyuan Han, Haoyu Fu, Guihuan Chen,* Xiaoshan Wang, Yue Zhao, Xiang Sui, Zhiqiang Zhao, Xiancheng Sang, Qinghao Li and Qiang Li*

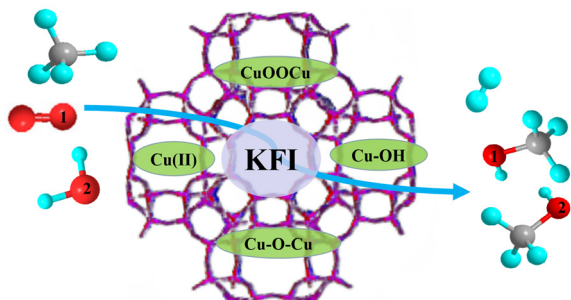
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Chemo- and enantioselective intramolecular silver-catalyzed aziridinations of carbamimidates

Tuan Anh Trinh, Yue Fu, Derek B. Hu, Soren A. Zappia, Iliia A. Guzei, Peng Liu and Jennifer M. Schomaker*

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Continuous selective conversion of methane to methanol over a Cu-KFI zeolite catalyst using a water–O₂ mixture as the oxygen source

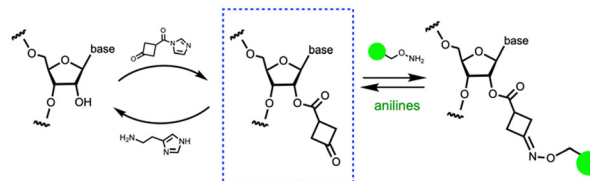
Hailong Zhang,* Jiaxiu Guo and Yi Cao*



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Efficient post-synthesis incorporation and conjugation of reactive ketones in RNA *via* 2'-acylation

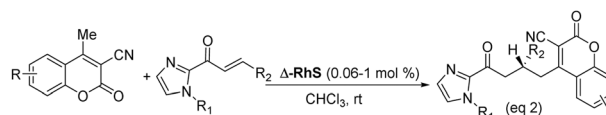
Ryuta Shioi, Lu Xiao, Linglan Fang and Eric T. Kool*



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Catalytic asymmetric conjugate addition of coumarins to unsaturated ketones catalyzed by a chiral-at-metal Rh(III) complex

Xiangjie Chen, Yujie Zhao, Cheng Huang, Zhifei Zhao, Weiwei Zhao* and Shi-Wu Li*



- ▾ 23 examples, 41-99% yields, 84-99% ee
- ▾ mild reaction conditions and broad scope
- ▾ high enantioselectivity and lower catalyst loading

