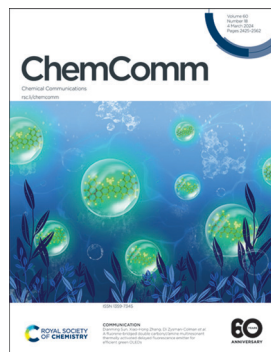


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Cover

See Dianming Sun,
Xiao-Hong Zhang,
Eli Zysman-Colman *et al.*,
pp. 2489–2492.
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PROFILE

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Contributors to the Emerging Investigators collection 2023: Part 3

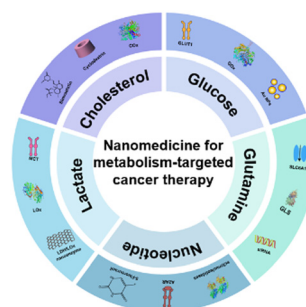


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Recent advances in nanomedicine for metabolism-targeted cancer therapy

Jun Da, XinJia Di, YuQi Xie, JiLi Li, LiLi Zhang* and YanLan Liu*



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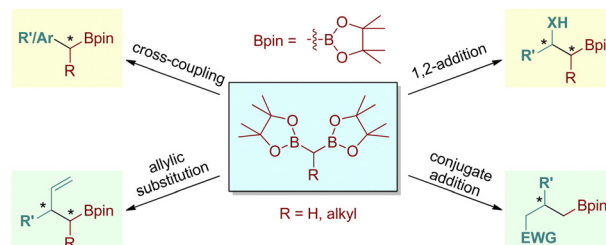
Fundamental questions
Elemental answers

HIGHLIGHTS

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Recent progress in the catalytic enantioselective reactions of 1,1-diborylalkanes

Xin Li, Jinglong Chen* and Qiuling Song*

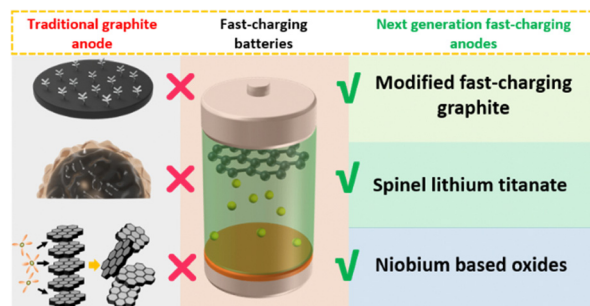


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Fast-charging anodes for lithium ion batteries: progress and challenges

Xiaobo Ding, Qingfeng Zhou, Xiaodan Li and Xunhui Xiong*

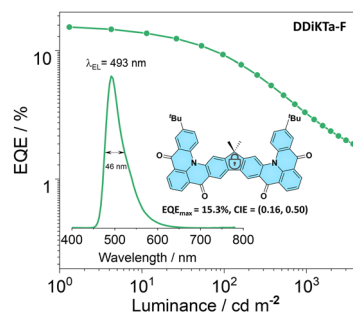


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A fluorene-bridged double carbonyl/amine multiresonant thermally activated delayed fluorescence emitter for efficient green OLEDs

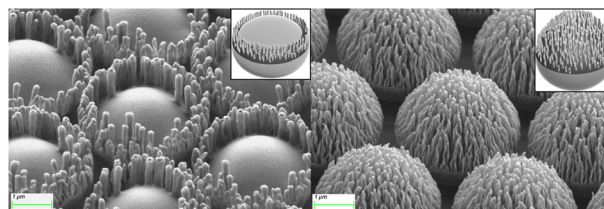
Sen Wu, Ya-Nan Hu, Dianming Sun,* Kai Wang, Xiao-Hong Zhang* and Eli Zysman-Colman*



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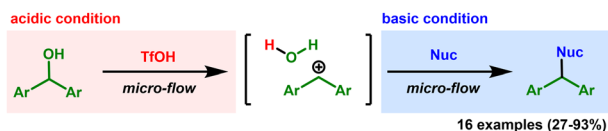
Polystyrene microspheres with ultra-rough surfaces engineered using RIE technique and applied using SERS

Jizhe Song, Sujuan Feng,* Haonan Shi, Daotong Han and Guangqiang Liu*



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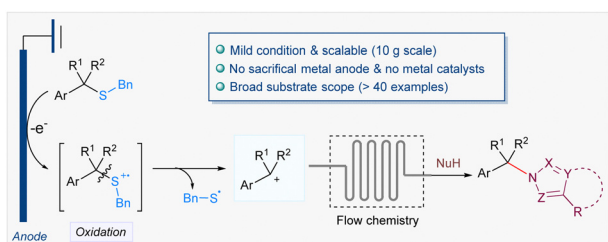
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Yuma Matsuura and Shinichiro Fuse*

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Electrochemical desulfurative formation of C–N bonds through selective activation of inert C(sp³)–S bonds

Shaopeng Guo, Yujun Li, Qing-Han Li* and Ke Zheng*

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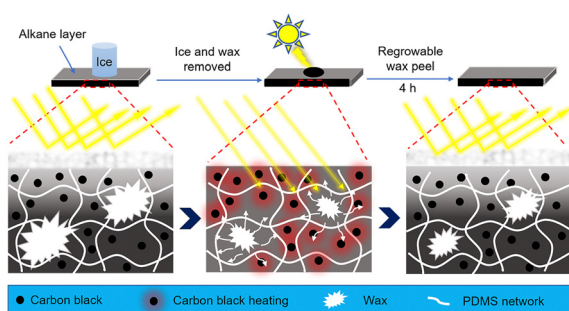
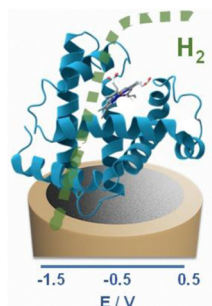


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Xiang Wang, Lingling Zhang, Yuehua Zhao, Huili Ren, Yiming Liu, Jie Ju* and Xi Yao*

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Rodrigo M. Iost, Radhakrishnan Venkatkarthick, Steffane Q. Nascimento, Fabio H. B. Lima and Frank N. Crespilho*

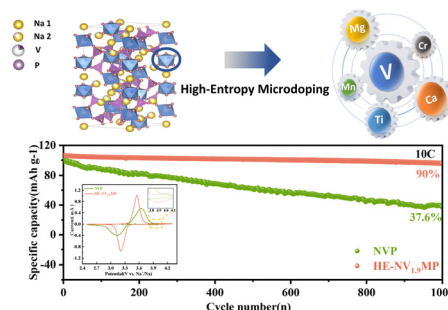


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Synergetic impact of high-entropy microdoping modification in $\text{Na}_3\text{V}_2(\text{PO}_4)_3$

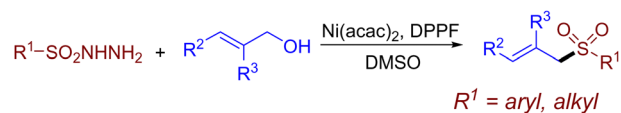
Yahao Kang, Xitao Lin, Shuai Tong, Wenlong Zhu, Yang Wang, Min Jia* and Xiaoyu Zhang*



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Neutral nickel-catalyzed dehydrosulfonylation of unactivated allylic alcohols under mild conditions

Yahui Yang, Haibo Zhu,* Bozhen Gong, Hong Yang, Qiangwen Fan,* Zhang-Gao Le and Zongbo Xie*

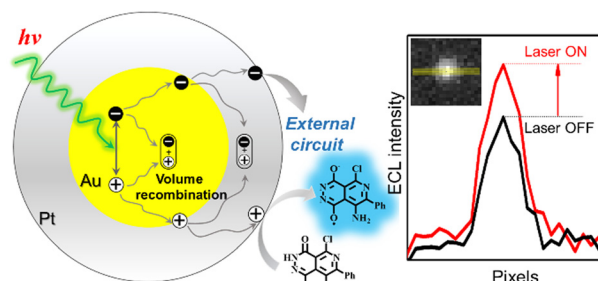


- Broad substrate scope
- Low-cost and effective catalysis
- 30 examples
- Mild conditions

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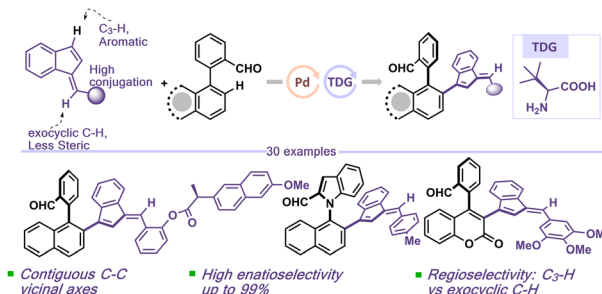
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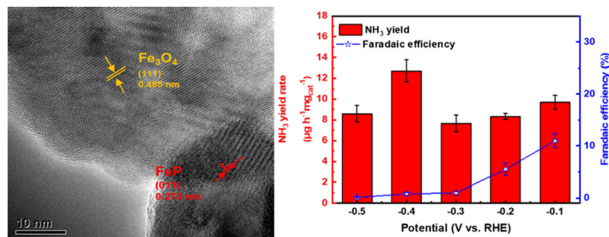
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Soumyadip Hore, Abhijeet Singh and Ravi P. Singh*



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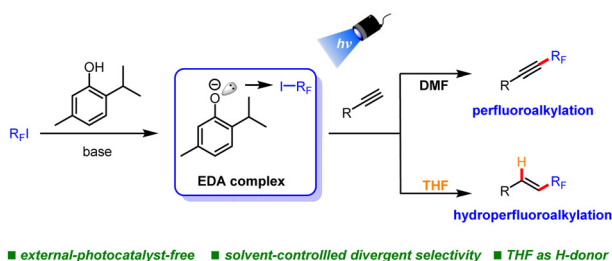
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FeP–Fe₃O₄ nanospheres for electrocatalytic N₂ reduction to NH₃ under ambient conditions

Huanhuan Zhang, Shuhao Yan, Wei Yi,* Yebo Lu,*
Xiao Ma, Yu Bin, Lanhua Yi* and Xingzhu Wang*

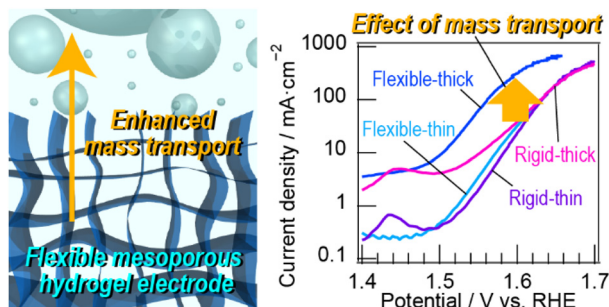
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Photoinduced selective perfluoroalkylation of terminal alkynes via electron donor–acceptor complexes

Xiaolin Shi, Bo Yu, Xin Zhou and Yong Yang*

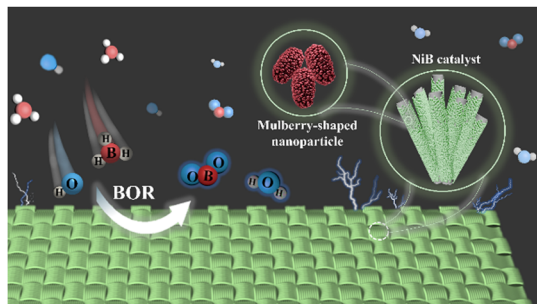
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Mesoporous hydrogel electrodes with flexible frameworks exhibiting enhanced mass transport for the oxygen evolution reaction

Ritsuki Nakajima, Hiroki Wago, Tatsuya Taniguchi,
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A superior mulberry-like nanoparticle NiB binary catalyst for borohydride oxidation

Jinliang Cai, Caini Yi, Yuxin Xie, Ying Yang, Hang Yang,
Yuping Liu, Changguo Chen, Danmei Yu* and
Xiaoyuan Zhou*

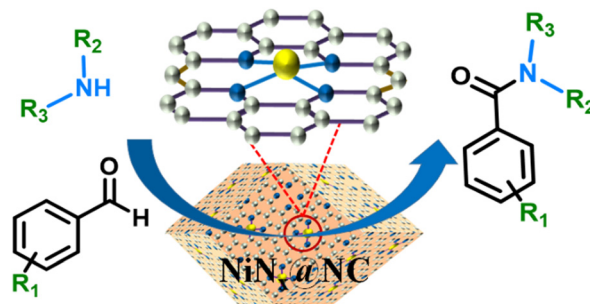


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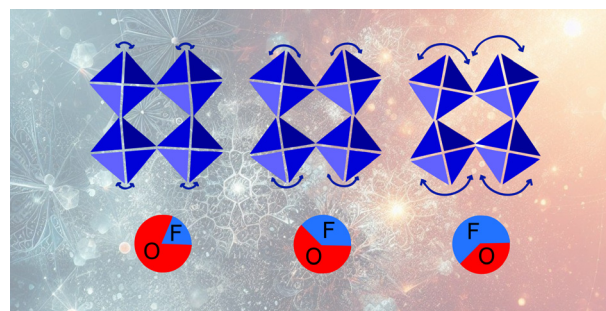
Ved Vyas, Vishesh Kumar and Arindam Indra*



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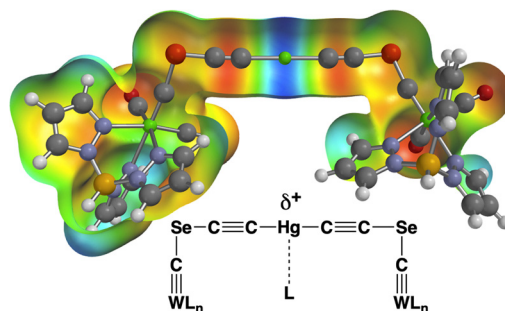
Eliza K. Dempsey and James Cumby*



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Spodium bonding in bis(alkynyl)mecurials

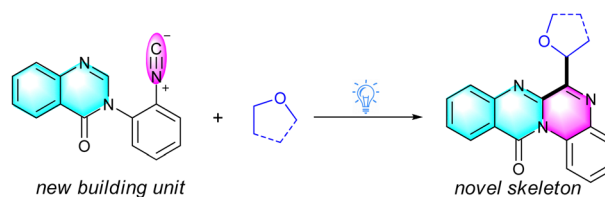
Chee S. Onn, Anthony F. Hill* and Jas S. Ward



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Photocatalytic cyclization of 3-(2-isocyanophenyl)quinazolin-4(3*H*)-ones for the construction of quinoxalino[2,1-*b*]quinazolinones

Xian Wu, Lingli Liu, Chengli Xiang, Jin-Tao Yu* and Changduo Pan*



- new radical acceptor for novel quinoxalino[2,1-*b*]quinazolinone skeleton
- metal-free, room temperature
- radical $\text{C}(\text{sp}^3)\text{-H}$ cleavage
- addition of imidoyl radical to the electro-deficient $\text{C}=\text{N}$ bond

