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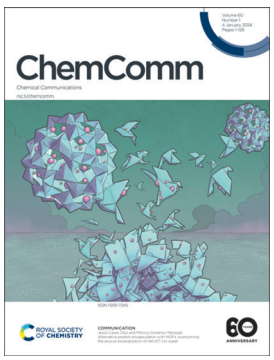

Cover
See Jesús Cases Díaz and Mónica Giménez-Marqués, pp. 51–54.
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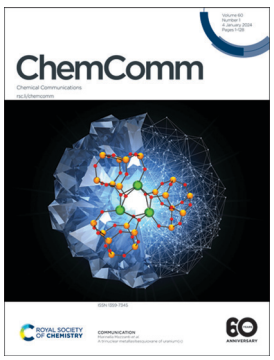

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See Marinella Mazzanti *et al.*, pp. 55–58.
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HIGHLIGHT

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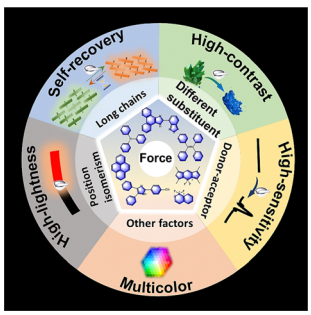
Structure–activity strategies for mechanically responsive fluorescent materials: a molecular perspective

Guiqiang Fei, Shaoqi Li, Yuxia Liu, Jared B. Carney, Tao Chen, Yulin Li,* Xiaoyong Gao, Ji Chen, Pu Chen, Yanfeng Yue,* Kai Bao,* Bo Tang* and Guang Chen*



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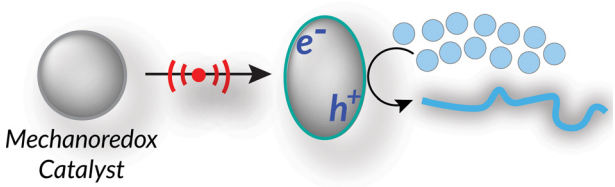
Shake, shear, and grind! – the evolution of mechanoredox polymerization methodology

Sarah M. Zeitler and Matthew R. Golder*



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FEATURE ARTICLES

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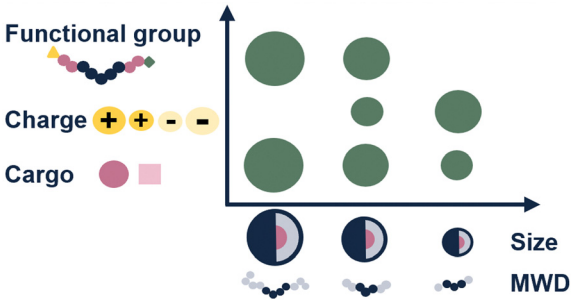
Sample transformation in online separations: how chemical conversion advances analytical technology

Annika A. M. van der Zon, Joshka Verduin, Rick S. van den Hurk, Andrea F. G. Gargano and Bob W. J. Pirok*



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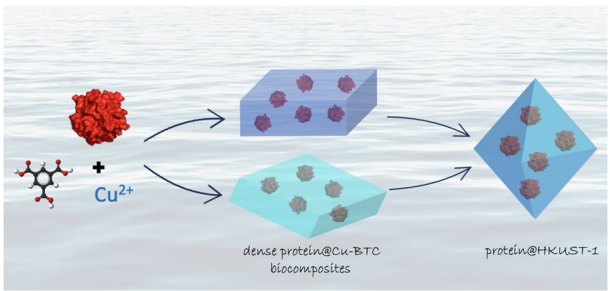
Alternative protein encapsulation with MOFs: overcoming the elusive mineralization of HKUST-1 in water

Jesús Cases Díaz and Mónica Giménez-Marqués*



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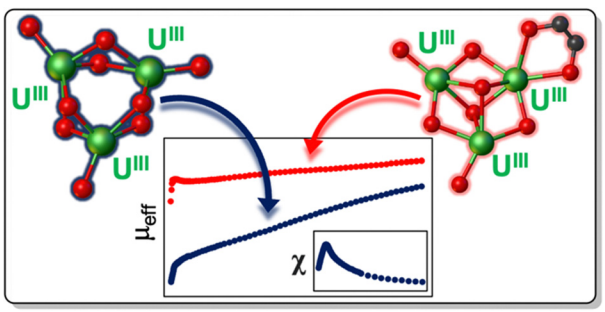
A trinuclear metallasilsesquioxane of uranium(III)

Maxime Tricoire, Nadir Jori, Farzaneh Fadaei Tirani, Rosario Scopelliti, Ivica Živković, Louise S. Natrajan and Marinella Mazzanti*



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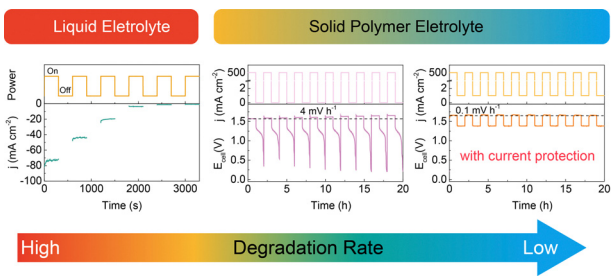
Exploring the degradation mechanism of nickel–copper–molybdenum hydrogen evolution catalysts during intermittent operation

Shengxiong Yang, Zhihan Liu, Pengcheng Wan, Liangsheng Liu, Yimin Sun, Fei Xiao,* Shuai Wang* and Junwu Xiao*



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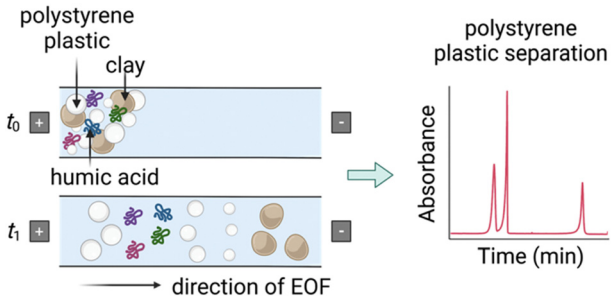

Quantitative separation of polystyrene nanoparticles in environmental matrices with picogram detection limits using capillary electrophoresis

Michael A. Caprise, Ana C. Quevedo and Kathryn R. Riley*

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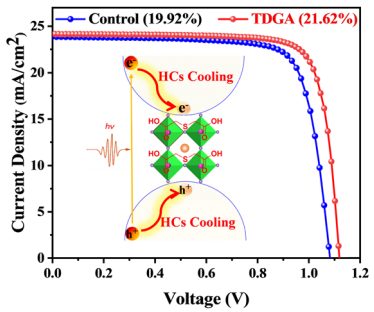

Additive effect on hot carrier cooling in a hybrid perovskite

Yuanju Zhao, Peng Wang, Tai Wu, Rongjun Zhao,* Lin Xie* and Yong Hua*

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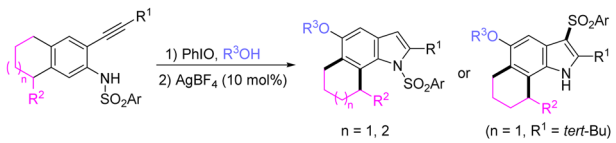

Cascade alkyl migration in 2-alkynylanilines for the synthesis of benzenoid ring multi-functionalized indoles

Jiwen He, Xiaohua Li, Qiuqin He* and Renhua Fan*

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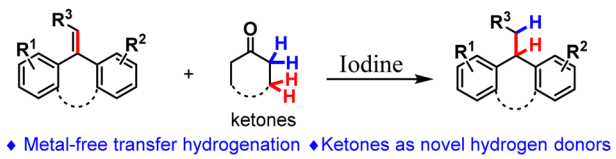

Iodine-promoted transfer of dihydrogen from ketones to alkenes, triphenylmethyl, and diphenylmethyl derivatives

Yiping Duan, Wenyi Zhong, Zhaolan Zeng, Jiajie Feng, Jinyi Xu,* Fulai Yang* and Jie Liu*

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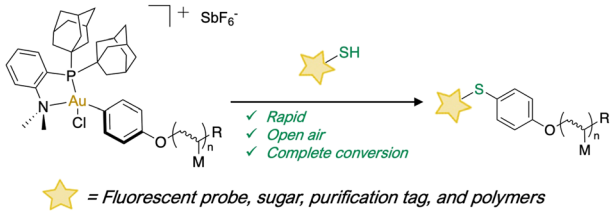
Efficient end-group functionalization and diblock copolymer synthesis *via* Au(III) polymer reagents

Grace E. Kunkel, Joseph W. Treacy, Hayden R. Montgomery, Ellie G. Puente, Evan A. Doud, Alexander M. Spokoyny and Heather D. Maynard*



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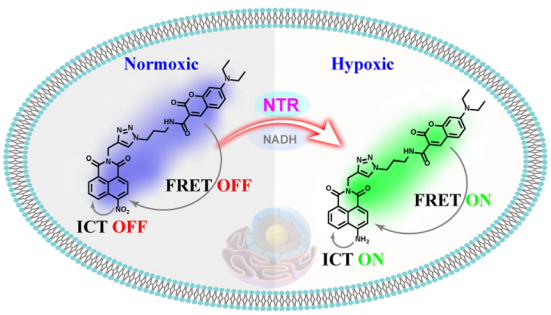
A highly selective ratio-metric fluorescent sensor for visualizing nitroreductase in hypoxic cells

Yumei Xu,* Bing Hu, Yanjun Cui, Li Li, Fang Nian, Zhixia Zhang and Wenting Wang



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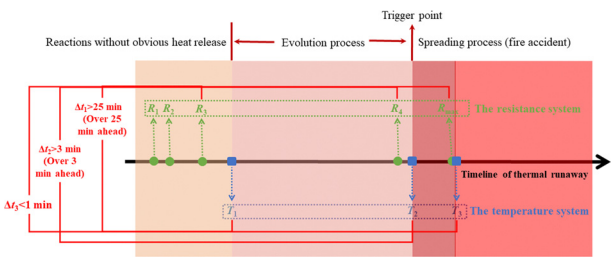
Early warning technology for common characteristic resistances of lithium-ion batteries with thermal runaway

Zhigao Yang, Zhengjian Gu, Qianyi Tao, Jun Bao, Huanhuan Li* and Shengping Wang*



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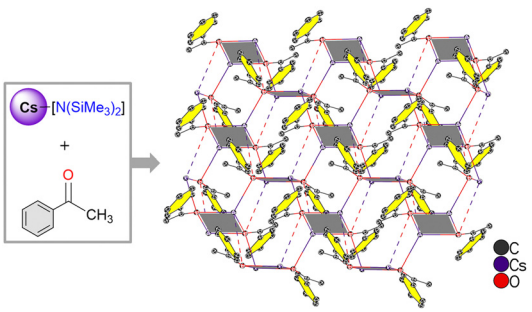
Isolable rubidium and caesium derivatives of common organic carbonyl compounds

Jakoba Wacker, Jennifer R. Lynch, Sumanta Banerjee, Peter A. Macdonald, Alan R. Kennedy, Biprajit Sarkar and Robert E. Mulvey*



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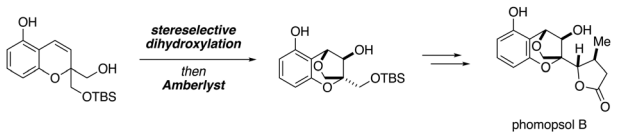

Total synthesis of highly oxygenated phomopsol B *via* acid-induced etherification to construct a bridged structure

Yuichiro Kawamoto,* Ayaka Nishitani, Yukari Yoshimura, Toyoharu Kobayashi and Hisanaka Ito*

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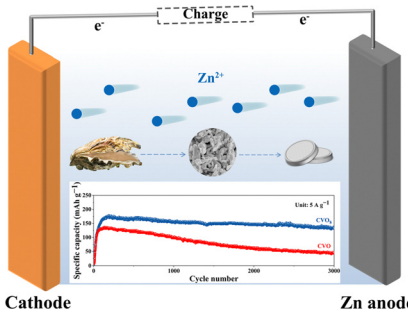

Spent shell as a calcium source for constructing calcium vanadate for high-performance Zn-ion batteries

Ningze Gao, Feng Li, Zhiyuan Wang, Xianghua Kong, Lei Wang, Yuanxiang Gu* and Maojuan Bai*

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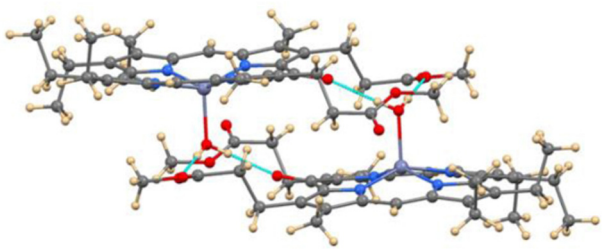

5- and 10-oxocorroles from β-octaalkylcorroles

Lorena Di Zazzo, Sara Nardis,* Fabrizio Caroleo, Francesco Pizzoli, Frank R. Fronczek, Kevin M. Smith, Beatrice Berionni Berna and Roberto Paolesse

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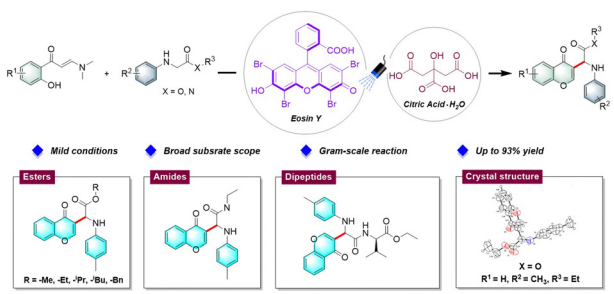

Visible-light-enabled cascade cross-dehydrogenative-coupling/cyclization to construct α-chromone substituted α-amino acid derivatives

Zhi-Qiang Zhu,* Jia-Yu Hu, Zong-Bo Xie and Zhang-Gao Le*

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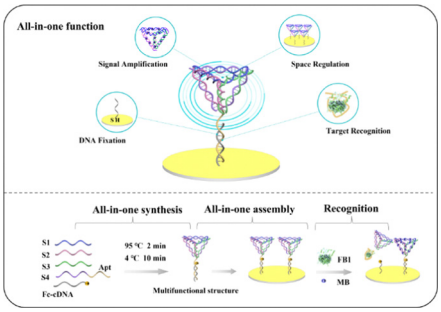
All-in-one fabrication of a ratiometric electrochemical aptasensor with tetrahedral DNA nanostructure for fumonisin B1 detection

Na Dong, Shuda Liu, Yuye Li, Shuyun Meng, Yifan Liu, Xia Li, Dong Liu* and Tianyan You*



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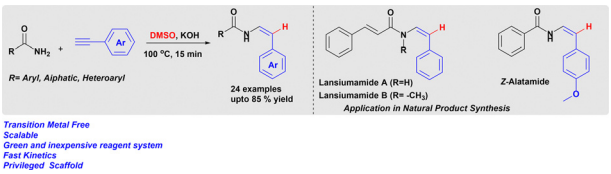
DMSO–KOH mediated stereoselective synthesis of *Z*-enamides: an expeditious route to *Z*-enamide bearing natural products

Showkat Ahmad Bhat, Qazi Naveed Ahmed* and Khursheed Ahmad Bhat*



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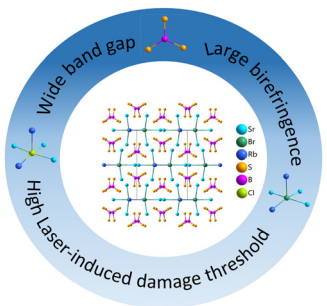
$[RbSr_3X][(BS_3)_2]$ (X = Cl, Br): two salt-inclusion thioborates with large birefringence and structure transformation from centrosymmetric to asymmetric

Yihan Yun, Xueling Hou, Zhihua Yang, Guangmao Li* and Shilie Pan*



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Facile one-step synthesis of mesoporous Pt-based alloy nanospheres for ethanol electrooxidation

Ruyi Wang, Shichun Gu, Dexiang Li, Chaoman Wang, Chongyuan Zhai, Yu Sun, Xue Wang,* Hui Huang, Zhongcheng Guo and Yapeng He*