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See Tsuyoshi Minami *et al.*, pp. 476–479. Image reproduced by permission of Tsuyoshi Minami from *Chem. Commun.*, 2025, 61, 476.



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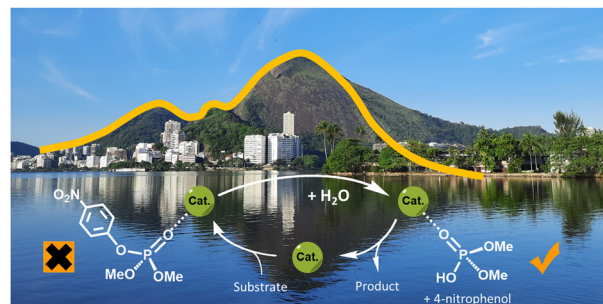
See Mário J. F. Calvete, Mariette M. Pereira *et al.*, pp. 480–483. Image reproduced by permission of Mariette M. Pereira from *Chem. Commun.*, 2025, 61, 480.

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Catalytic strategies for detoxifying phosphorus(v) biocides

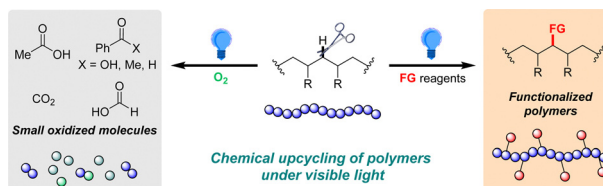
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Photochemical upcycling of polymers via visible light-driven C–H bond activation

Wei Yi,* Jing Liu and Xiao-Qiang Hu*



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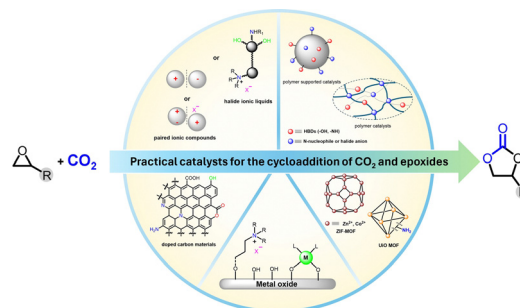


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CO₂ fixation: cycloaddition of CO₂ to epoxides using practical metal-free recyclable catalysts

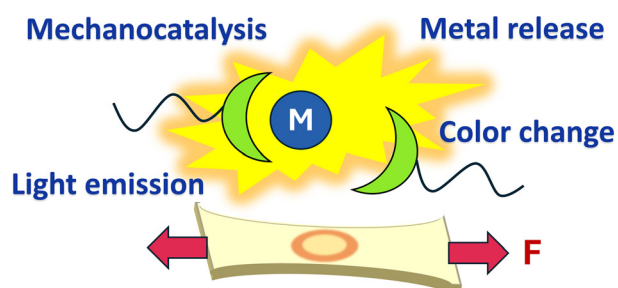
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Functional coordination compounds for mechanoresponsive polymers

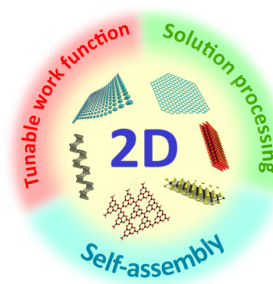
Tatiana Gridneva and Julia R. Khusnutdinova*



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Atomically thin 2D materials for solution-processable emerging photovoltaics

Oleksandr Stroyuk,* Oleksandra Raievska, Jens Hauch and Christoph J. Brabec

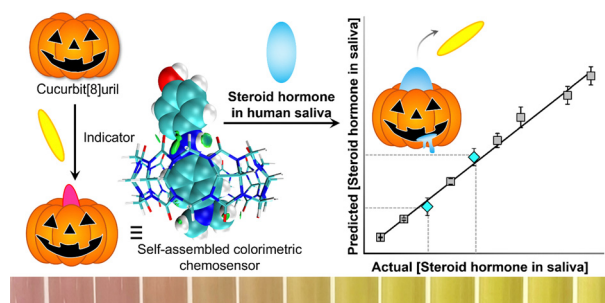


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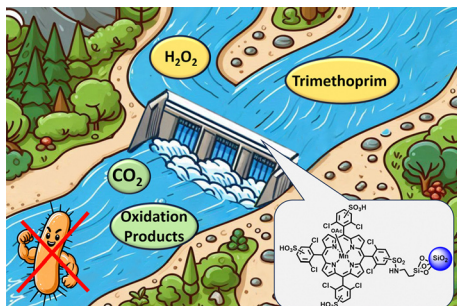
Colorimetric quantitative detection of steroid hormones using an indicator displacement assay-based chemosensor array

Yui Sasaki, Yusuke Yamanashi, Kohei Ohshiro, Xiaojun Lyu and Tsuyoshi Minami*



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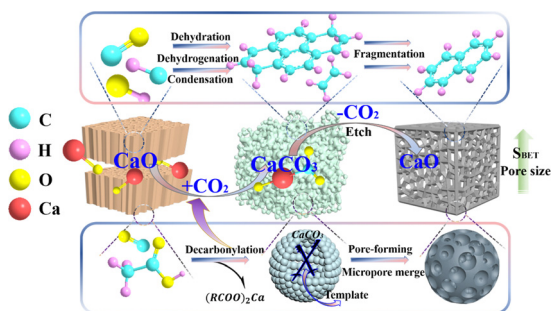
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Advancing continuous flow techniques in effective trimethoprim oxidation: combatting bacterial resistance in wastewater

Diana L. Marques, Giusi Piccirillo, Fábio M. S. Rodrigues, Rafael T. Aroso, Lucas D. Dias, Gabriela J. da Silva, Mário J. F. Calvete* and Mariette M. Pereira*

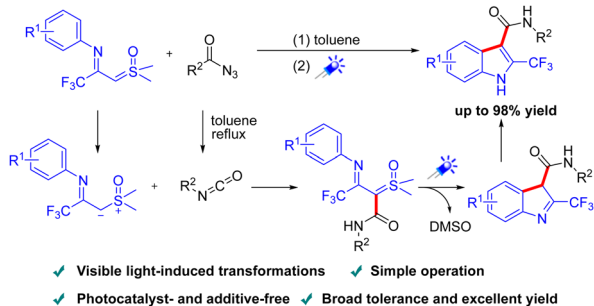
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Activation of biochar by CO_2 produced from the same pyrolysis process and captured *in situ* by CaO

Mengjiao Fan, Yuewen Shao, Chao Li, Yuchen Jiang, Yunyu Guo, Shu Zhang, Kai Sun, Yi Wang and Xun Hu*

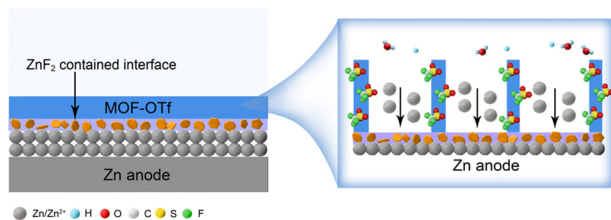
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Visible light-induced cascade annulation of sulfoxonium ylides with azides for the synthesis of 2-trifluoromethyl indoles

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A triflate porous layer stabilizing Zn anodes for high-performance Zn-ion batteries

Ruijun Rao, Jingtao Chen, Mengxi Bai, Qiufen Li, Xiang Wang, Jiashuai Li, Dongze Li, Xiaoyan Lin, Siyuan Shao and Ziqi Wang*

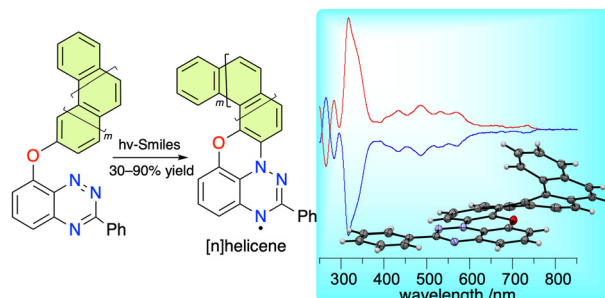


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 π -Curved Blatter radicals: Blatter helicenes

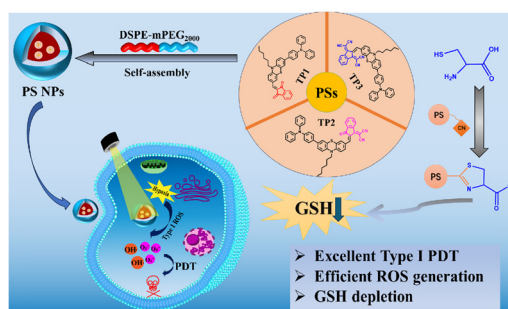
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Molecular acceptor engineering to precisely design a NIR type I photosensitizer for efficient PDT-based synergistic therapy

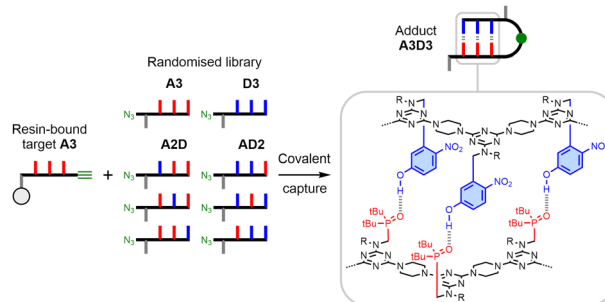
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Sequence-selective pulldown of recognition-encoded melamine oligomers using covalent capture on a solid support

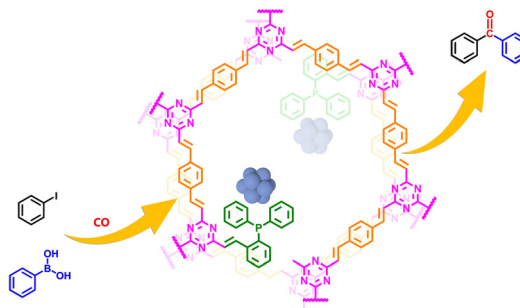
Luis Escobar, Daniel Sun, Mohit Dhiman and
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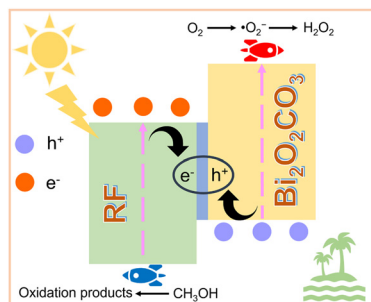
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Robust phosphine-based covalent-organic framework palladium catalysts for the highly efficient carbonylation coupling reaction

Benling Yu, Liuqing He, Shiyuan Wei, Jiawei Li,*
You Wang, Juan Zhong, Jianhan Huang* and
You-Nian Liu



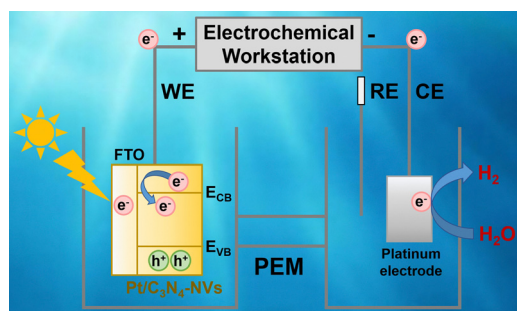
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Organic–inorganic complex S-scheme photocatalyst resorcinol–formaldehyde resins/Bi₂O₂CO₃ with enhanced photocatalytic H₂O₂ production

Meichao Gao,* Jianting Wang, Huichao Cui, Mingyang Meng, Yuanyuan Feng,* Yunyun Gong and Changlong Sun*

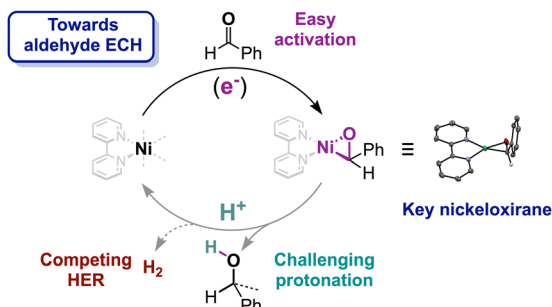
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Rapid Joule heating synthesis of Pt/C₃N₄-NVs for photoelectrocatalytic water splitting to produce H₂

Zehui Zhao and Xiangchao Meng*

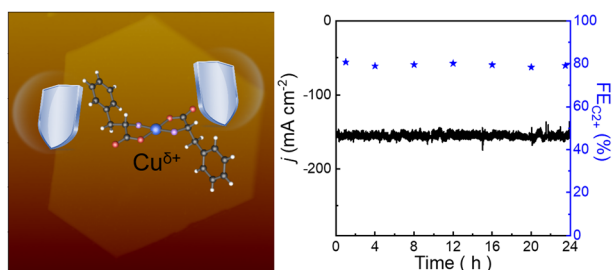
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Electrochemical aldehyde hydrogenation: probing the inner-sphere strategy with nickel-bipyridine complexes

Gabriel Durin, Mijung Lee, Martina A. Pogany, Christian Kahl, Thomas Weyhermüller, Walter Leitner and Nicolas Kaeffer*

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Two-dimensional Cu-phenylalanine nanoflakes for efficient and robust CO₂ electroreduction to C₂₊ products

Wenda Zhou, Mingyue Chen, Xingfang Luo, Cailei Yuan,* Shoujie Liu, Wen Lei and Shouguo Wang*

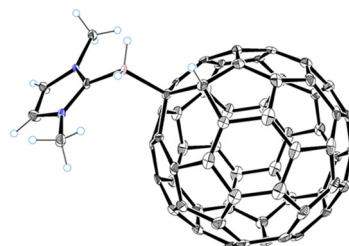


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NHC-BH₂-C₆₀H: synthesis, characterization and electrochemical properties of the N-heterocyclic-carbene-stabilized fullerene–borane complex

Sheng-Hu Yuan, Shu-Chao Ma, Jian Wu, Xiu-Ying Zheng, Jun Xuan* and Fei Li*



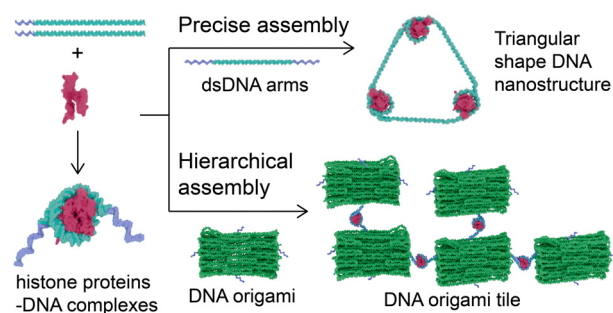
NHC-BH₂-C₆₀H

a stable fullereborane complex with high LUMO energy level

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A versatile approach for geometry-based self-assembly of DNA–protein hybrid nanostructures using histone–DNA interactions

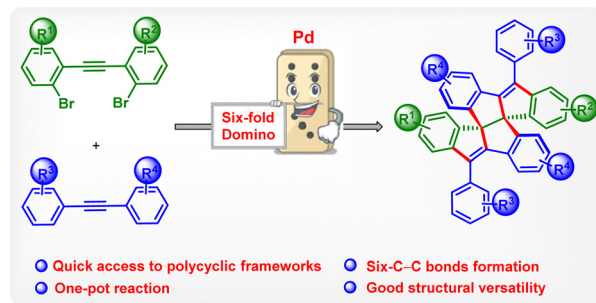
Hajar Al-Zarah, Maged F. Serag, Faisal Alkhalidi and Satoshi Habuchi*



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A rapid pathway to molecular complexity: a palladium-catalyzed six-fold domino process to access polycyclic frameworks

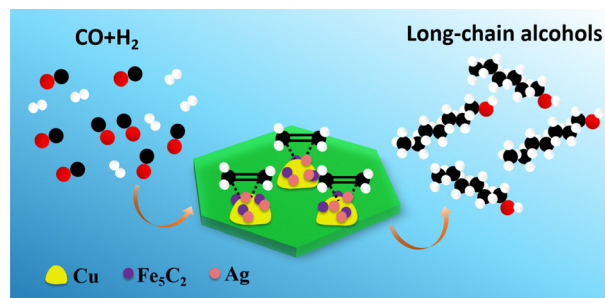
Komal Goel and Gedu Satyanarayana*



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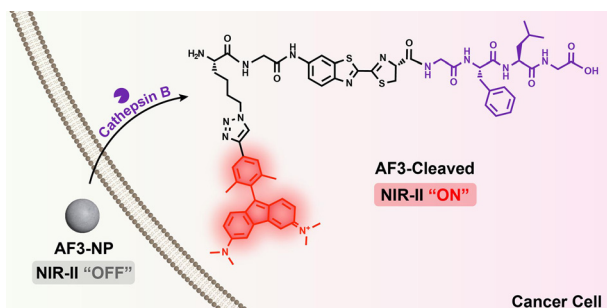
Promotion effect of Ag on syngas transformation to long-chain alcohols over CuFe catalysts

Zhiwei Qin, Yinwen Li,* Meng Wang, Yanrui Su, Wa Gao,* Ding Ma and Lin Yang



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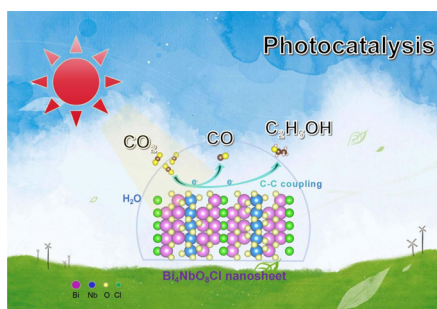
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"Turn-on" NIR-II fluorescence of a dually quenched probe for sensitive imaging of cathepsin B *in vivo*

Yu Deng, Kui Yan, Lingling Xu, Xiaoyang Liu, Furong Zhao, Shangfeng Wang, Fan Zhang, Gaolin Liang* and Rui Wang*

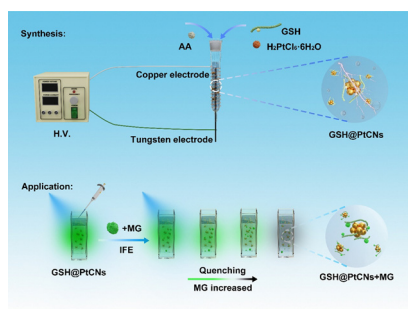
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Crystal-facet modulated pathway of CO₂ photoreduction on Bi₄NbO₈Cl nanosheets boosting production of value-added solar fuels

Peiting Hao, Haoqiang Chi, Zhengdao Li,* Xinxin Lu,* Yong Yang, Yongcai Zhang, Zhigang Zou and Yong Zhou*

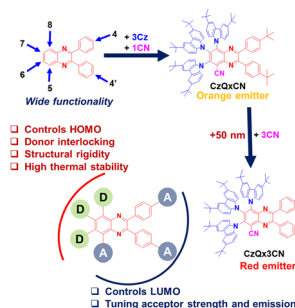
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Dielectric barrier discharge-mediated one-pot rapid synthesis of platinum nanoclusters for fluorescent sensing of malachite green

Bingxin Ma, Bodong Wang, Yuqi Li, Lianshuang Jiang, Xiandeng Hou and Kailai Xu*

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Leveraging quinoxaline functionalization for the design of efficient orange/red thermally activated delayed fluorescence emitters

Shantaram Kothavale, Rajendra Kumar Konidena, Hyunjung Lee and Jun Yeob Lee*

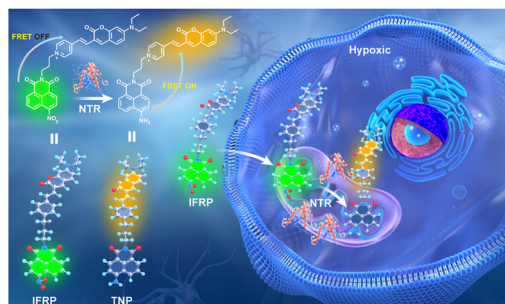


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A ratiometric two-photon fluorescent probe for the quantification of nitroreductase in hypoxic neurons

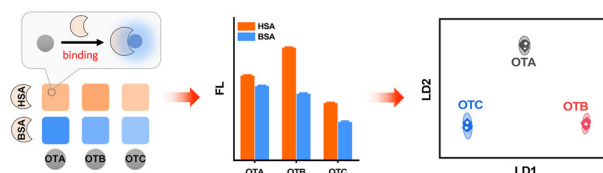
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An albumin fluorescent sensor array discriminates ochratoxins

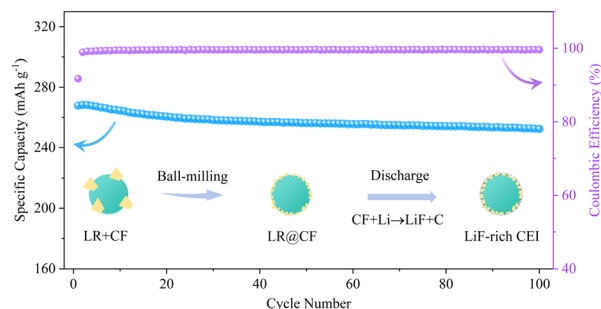
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Constructing LiF-rich cathode electrolyte interphase to enhance the cyclic stability of lithium-rich manganese-based oxide cathode

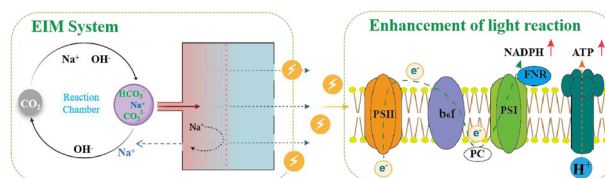
Yang Yang, Yajun Zhao, Junjie Song, Xiqian Yu* and Hong Li*



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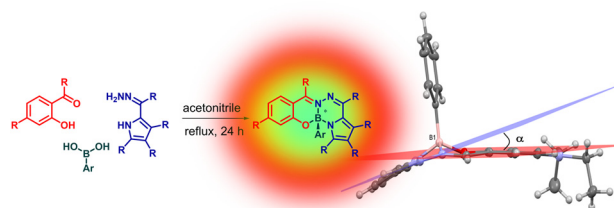
The electrochemical ion membrane system (EIMs) enhanced light reactions of photosynthesis with intermittent electrical stimulation

Bicheng Deng, Yuyong Hou, Sihan Lu, Suihao Yan, Zhile Guo, Zhiyong Liu, Xinqi Wang, Changhong Jia, Weijie Wang,* Longjiang Yu* and Lei Zhao*



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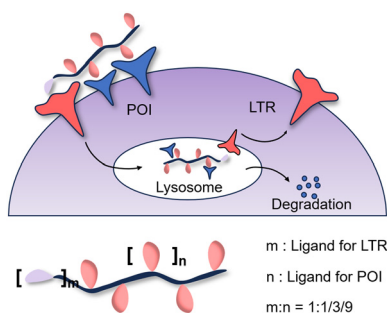
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Multicomponent synthesis of stereogenic-at-boron fluorophores (BOSPYR) from boronic acids, salicylaldehydes, and 2-formylpyrrole hydrazones

Ezgi Bayer Kömüşdoğan, Sania Batool, Ertan Şahin, Erol Yildirim, Murat Işık* and Cihangir Tanyeli*

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Controllable multivalent LYTACs enhance targeted protein degradation

Yuheng Lv, Yicun Li, Qin Fu and Peng Shi*

CORRECTION

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Correction: Photochemical upcycling of polymers *via* visible light-driven C–H bond activation

Yi Wei,* Jing Liu and Xiao-Qiang Hu*

