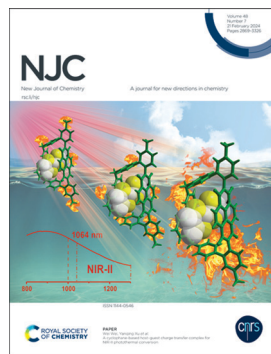


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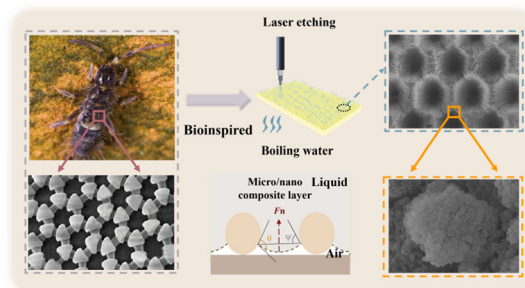
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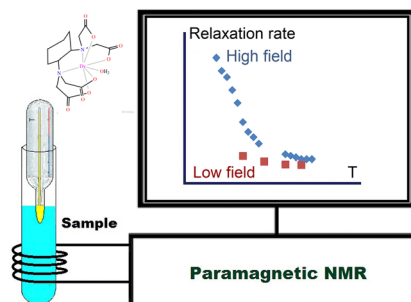
Molan Guo, Chao Nie, Pengyu Zhang and Zhiguang Guo\*



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E. N. Zapolotsky, S. P. Babailov,\* V. E. Koshman and O. Yu. Selyutina





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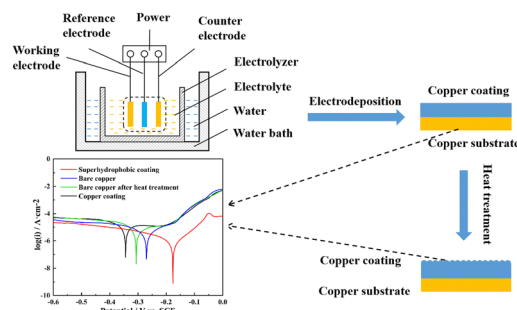


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### A novel route to fabricate a superhydrophobic surface on a copper substrate without additional low surface energy materials

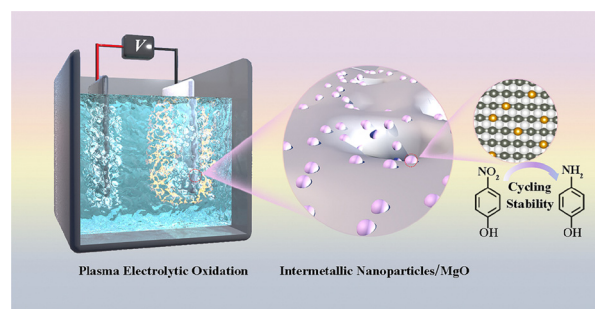
Fan Jiang,\* Tongyu Song, Hongyan Wu, Xinye Yang, Shaofu Li and Maoqiao Xiang\*



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### Rapid plasma electrolytic oxidation preparation of sub-3 nm half-embedded intermetallic nanocatalysts for efficient selective hydrogenation

Mengyang Li, Feng Cao,\* Mingran Wang, Yang Cao, Qianwei Wang, Jun Zhou, Song Li and Gaowu Qin\*

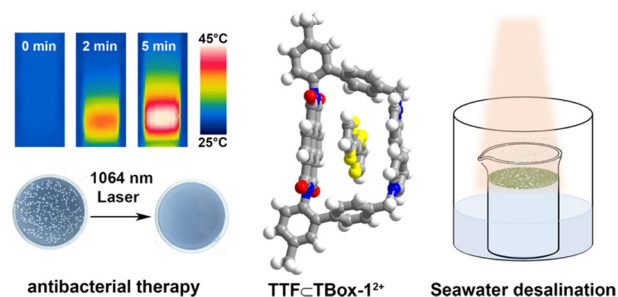


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### A cyclophane-based host–guest charge transfer complex for NIR-II photothermal conversion

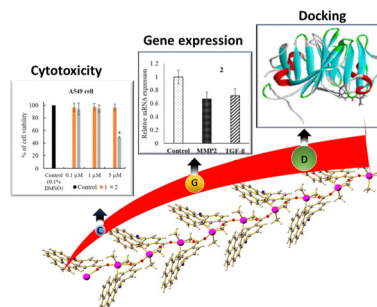
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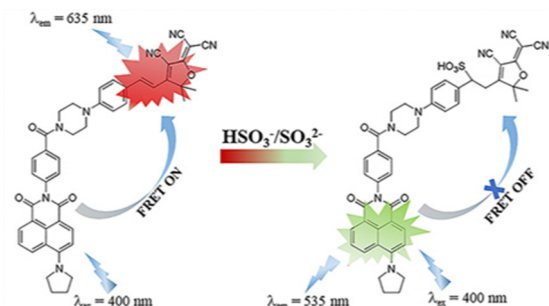
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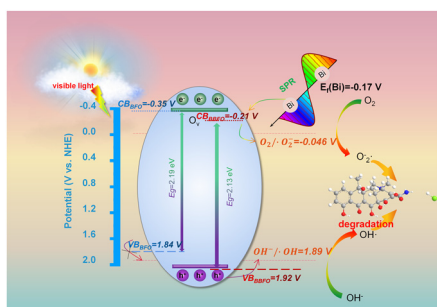
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### An endoplasmic reticulum-targeted fluorescent probe for ratiometric tracking of endogenous SO<sub>2</sub> derivatives

Yehao Yan, Weilei Gong, Ruiji Li, Jiannan Sun, Hua Wang, Xiaoying He\* and Yanmei Si\*

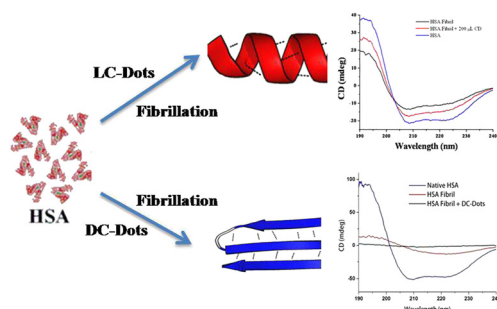
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### Plasmon Bi/BiFeO<sub>3</sub> heterojunctions for achieving optimized photothermal-photocatalytic performance

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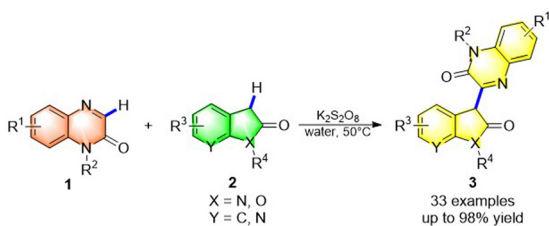
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Suraj Konar,\* Shubhatam Sen and Amita Pathak\*

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### K<sub>2</sub>S<sub>2</sub>O<sub>8</sub>-mediated direct C–H functionalization to synthesize quinoxalin-2(1*H*)-one derivatives in water

Hui Qin,\* Guo-Liang Wei, Xiao-Wei Zheng, Mei-Hua Bao, Yi-Wen Zhang\* and Ping Huang\*

- Feasible operation
- Meta, ligand, base-free
- Mild reaction conditions
- Inexpensive reagent
- Moderate to excellent yield
- Broad substrate scope



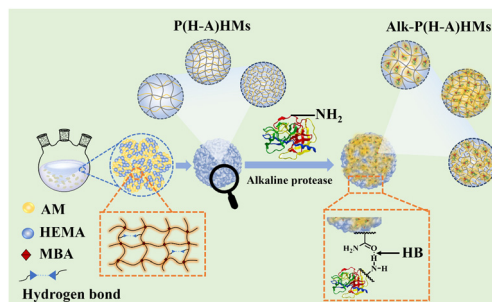


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### Synthesis of hydrogel microspheres with tunable pore size and their application in alkaline protease immobilization

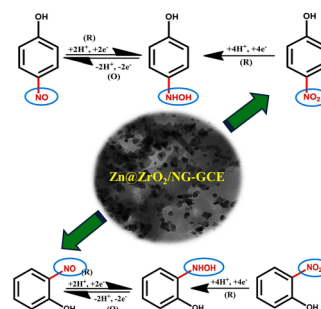
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### Zn@ZrO<sub>2</sub> nanoparticles decorated on naringin-based sensor for electrochemical detection of *p*-nitrophenol and *o*-nitrophenol

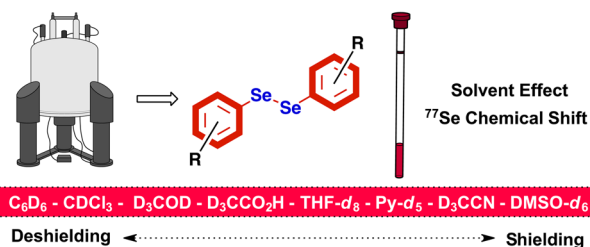
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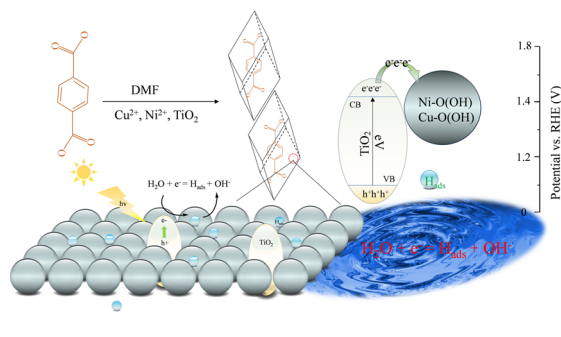
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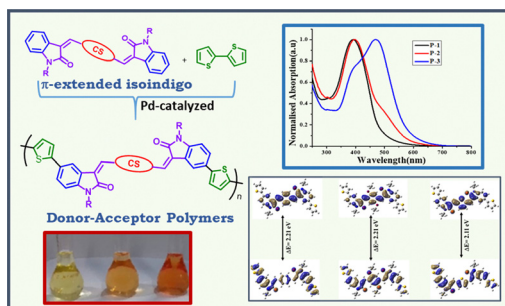
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### Nano-TiO<sub>2</sub> anchored onto 2D Cu–Ni bimetallic MOF as a heterojunction for highly-efficient OER overpotential reduction

Ya-Dong Li, Chuan-Lin Mou,\* Wen-Long Ma, Shi-Hao Chen,  
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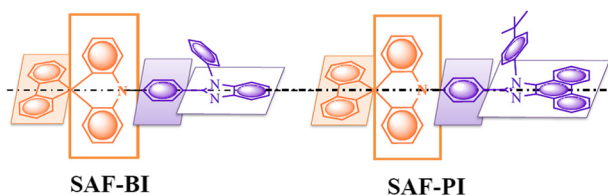
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### Extended isoindigos as building blocks for developing D–A-type conjugated polymers

Krishna Shah, Viraj J. Bhanvadia, Mayur J. Patel, Parameswar K. Iyer,\* Sanjio S. Zade and Arun L. Patel\*

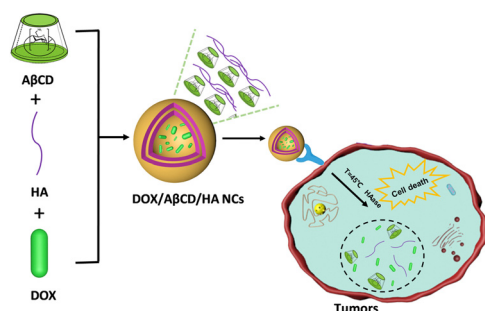
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### Synthesis and luminescent properties of spiroacridine-imidazole derivatives

Yingchao Yan, Xu Pan, Rongjing Liu, Yuling Zhao, Wenming Su\* and Tianzhi Yu\*

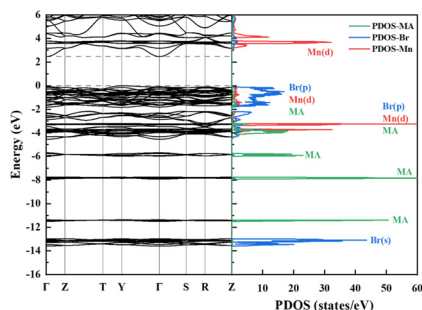
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### A temperature-sensitive HA-anchoring supramolecular nanocarrier for targeted delivery of the anti-liver cancer drug doxorubicin

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Kai Peng, Ming Zhang,\* Chao Wang, Linhao Ma, Yuqing Liu, Junjie Zhao and Ruzhi Wang

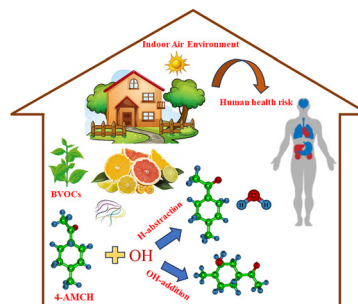




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### Mechanistic and kinetic study of limona ketone oxidation initiated by hydroxyl radical: impact of indoor air pollution

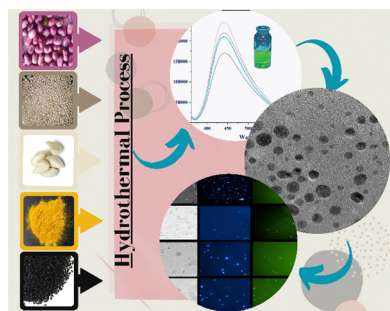
Angappan Mano Priya\* and Gisèle El Dib



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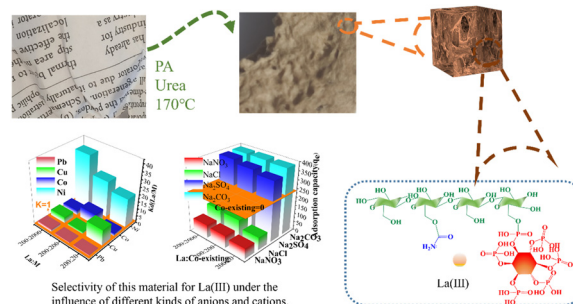
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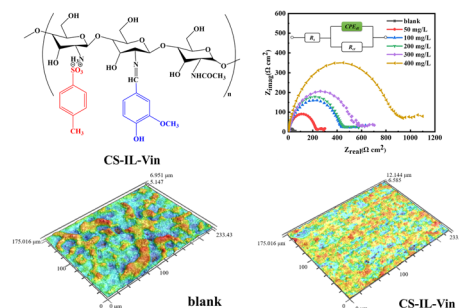
Bangwen Yuan, Qingda An, Zuoyi Xiao, Xiaoling Dong, Kairuo Zhu, Guolin Shao,\* Shangru Zhai\* and Chang-Sik Ha



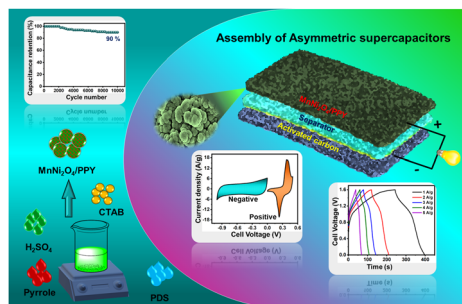
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Miantuo Li, Fengting Li, Jianwen Hu, Nannan Cui, Huiling Su, Lizhi Li, Zhikun Wang,\* Shuangqing Sun and Songqing Hu\*



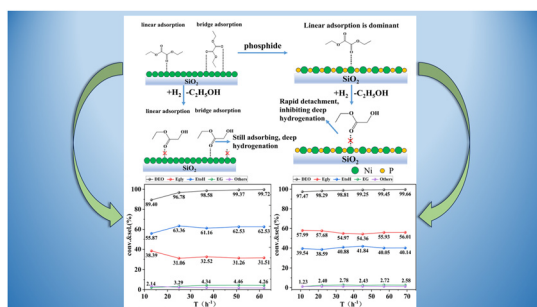
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### Fabrication of polypyrrole conductive matrix covered $\text{MnNi}_2\text{O}_4$ nanocomposite as a positive electrode material for asymmetric supercapacitor applications

Anandaraj Sathiyar, Elaiyappillai Elanthamilan, Sea-Fue Wang,\* Sivanantham Dhineshkumar and Johnson Princy Merlin\*

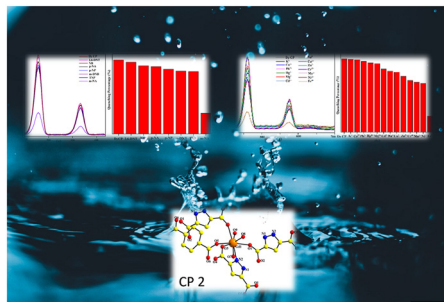
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### Modulation of supported Ni catalysts with phosphorus for the hydrogenation of diethyl oxalate to ethyl glycolate

Qihong Xue, Zhikui Jiang, Chao Wang, Xian Kan, Jiaming Wang and Jiangang Chen\*

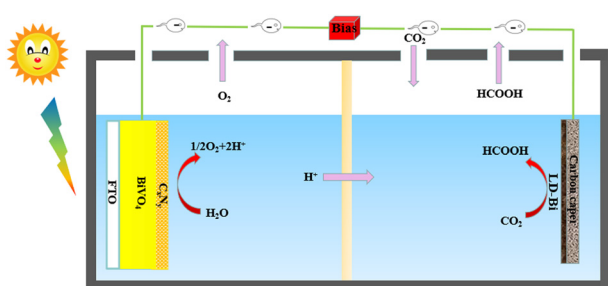
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Zaib ul Nisa, Musheer Ahmad and Haq Nawaz Sheikh\*

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Weijie Cheng, Yuhong Wang,\* Shaoqing Guo,\* Qingqing Cheng, Honghong Zhao\* and Lizhen Gao

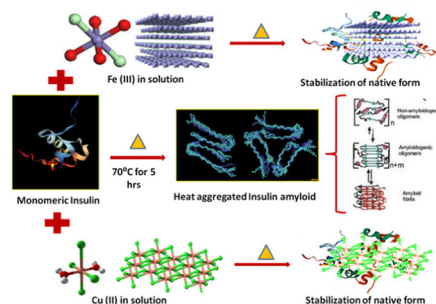




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### *In vitro* retardation and modulation of human insulin amyloid fibrillation by Fe<sup>3+</sup> and Cu<sup>2+</sup> ions

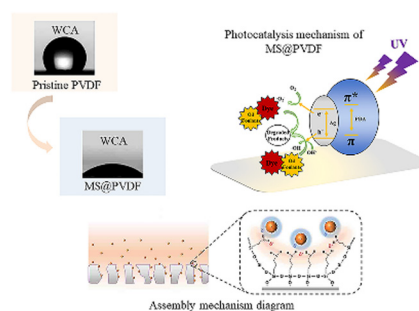
Swarnali Paul, Shahnaz Begum, Hasan Parvej, Ramkrishna Dalui, Subrata Sardar, Falguni Mondal, Nayim Sepay and Umesh Chandra Halder\*



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### Self-cleaning PDA-Ag@PVDF membranes for oil/water separation and dye adsorption from emulsion

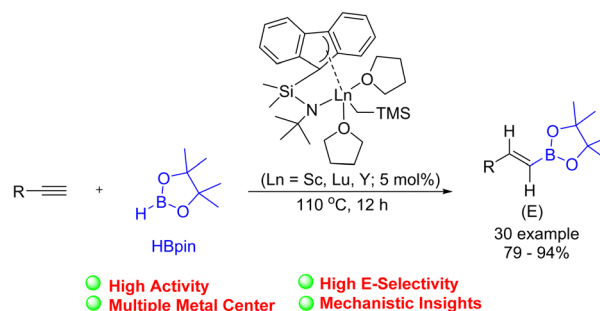
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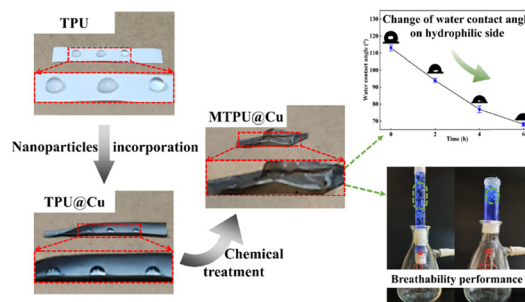
Muhammad Asif Iqbal, Xiangqian Yan, Ruoling Li, Fu Zhijia, Shaowen Zhang\* and Xiaofang Li\*



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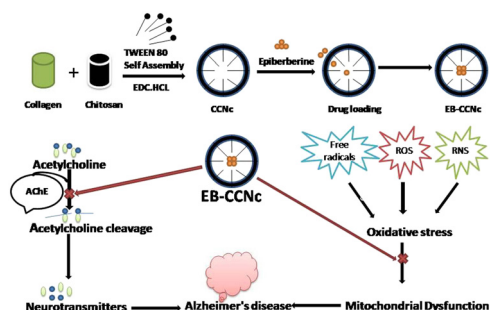
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Xiang Sun, Baokai Zhou, Lixia Wang,\* Lun Zheng, Dongfang Wang\* and Qian Li



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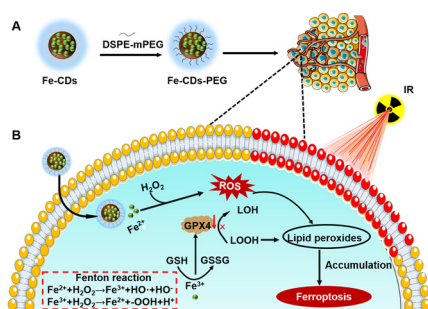
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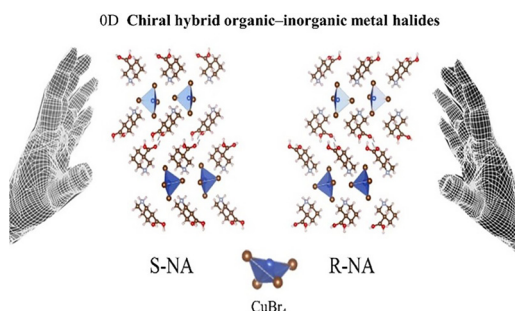
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### Fe-doped carbon dot liposome enhanced radiosensitivity of tumor cells by inducing ferroptosis

Guili Ge, Hanyu Tu, Dan Wang, Mingjian Chen, Zhaoyang Zeng, Can Guo,\* Xu Wu\* and Wei Xiong\*

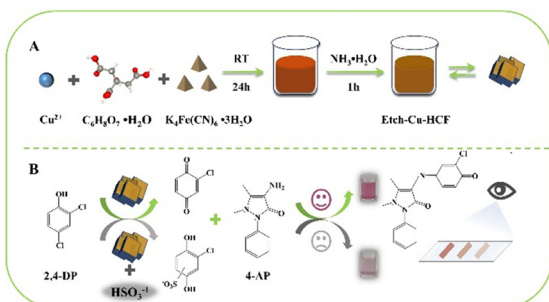
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### Chiral zero-dimensional hybrid organic-inorganic metal halides based on nipecotic acid and tetrabromocuprate

Xianran Wang, Yuying Wu, Feng Gao\* and Youfu Wang\*

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### Determination of bisulfite in food using the Etch-Cu-HCF nanozyme with enhanced polyphenol oxidase-like activity

Luwei Wang, Qi Cheng, Jie Li, Lulu Lei, Hui Huang,\* Ling Zhang and Yongxin Li\*



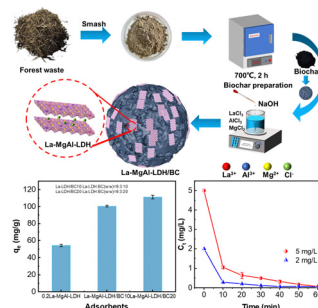


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### Rapid and efficient removal of phosphate by La-doped layered double hydroxide/biochar from aqueous solution

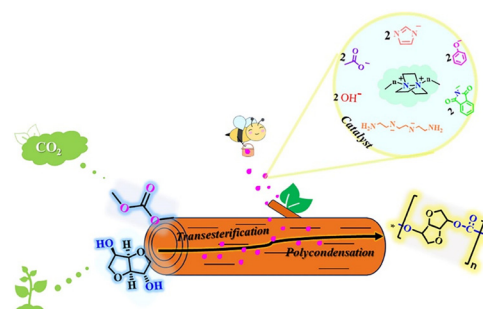
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### Preparation of dual active site ionic liquids and their application in the catalytic synthesis of poly(isosorbide carbonates)

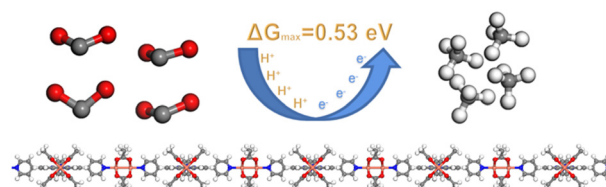
Yafei Shi, Haiyue Wang, Qiao Zhou, RongRong Zheng\* and Liying Guo\*



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### A novel two-dimensional cobaltporphyrin-based organic framework as a promising electrocatalyst for CO<sub>2</sub> reduction reaction: a computational study

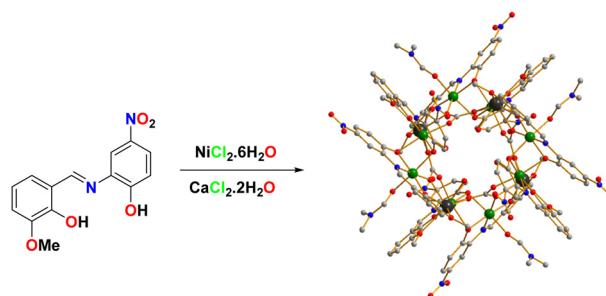
Kai Gong, Xue-Wei Wen, Xuan-Feng He, Yu-Huai Fei, Jing Song\* and Cong Wang\*



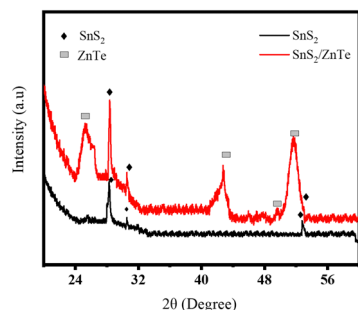
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Kajal, Richa Vinayak, Carlos J. Gómez-García, Samia Benmansour and Hari Pada Nayek\*



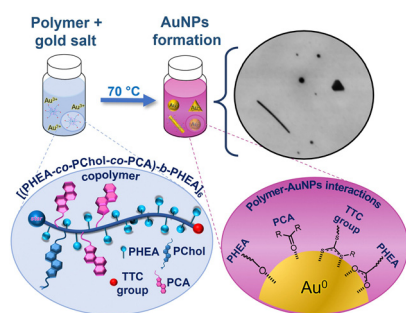
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### String ball-like SnS<sub>2</sub>/ZnTe heterostructures with improved bifunctional photo/electrocatalytic activity towards overall water splitting

Muhammad Awais, Sidra Aslam, Muhammad Naeem Ashiq, Misbah Mirza and Muhammad Safdar\*

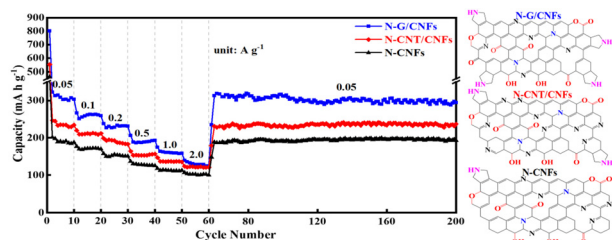
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### Self-assembled PHEA-based block copolymers for the synthesis of gold nanoparticles

Eduardo Hermosillo-Ochoa, Norma A. Cortez-Lemus\* and Edgar A. Reynoso-Soto

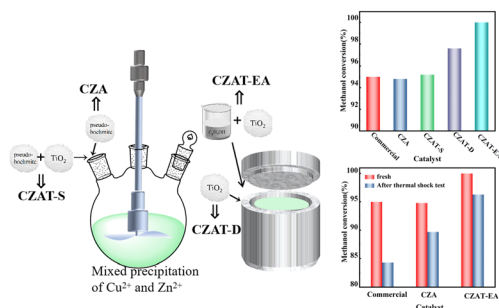
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### Graphene induced N/O doping and structural regulation of carbon nanofibers for enhanced sodium storage

Yuancheng He, Zhimeng Shen, Shujun Zhang, Gaobo Chang, Cheng Huang, Zhong Li\* and Hanqing Zhao\*

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### Hydrogen production via steam reforming of methanol on Cu/ZnO/Al<sub>2</sub>O<sub>3</sub> catalysts: the effect of TiO<sub>2</sub> addition mode

Min Huang, Qifei Bo, Juan Li, Jingxuan Qiao, Shanliang Yuan, Biao Zhang, Honglin Chen and Yi Jiang\*



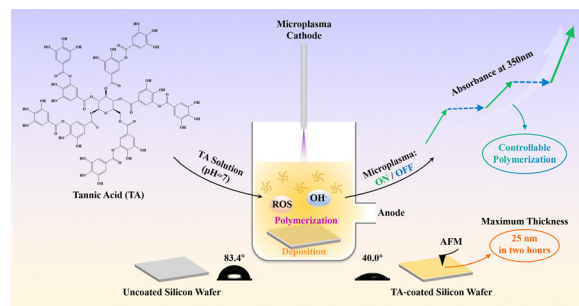


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### Microplasma-induced rapid polymerization of tannic acid for surface modification

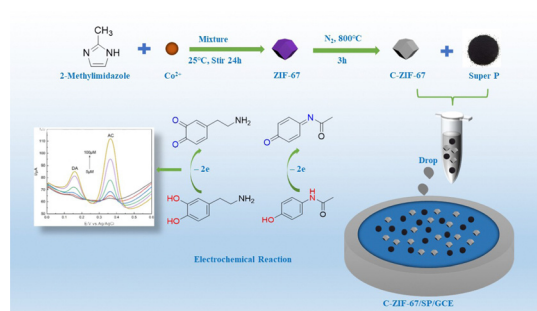
Qi Qing, Zhikang Xie, Junhan Luo, Zhe Wang,\*  
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### Simultaneous and sensitive detection of dopamine and acetaminophen at a glassy carbon electrode modified with a carbonized-ZIF-67/Super P nanocomposite

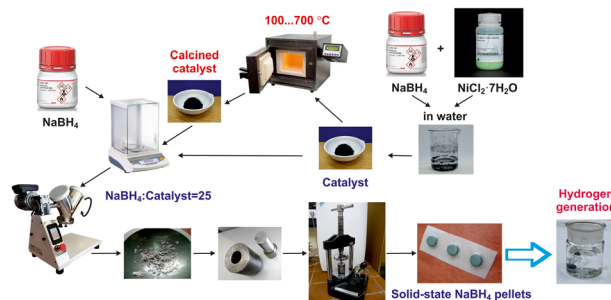
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Renbao Zhang, Hui Zhao, Chengsi Pan, Jiawei Zhang,  
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