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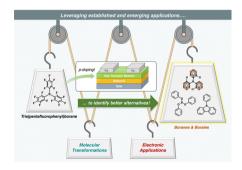
See Kathryn M. Wolfe, Michael J. Grant, Irene E. Park and Gregory C. Welch pp. 12032-12060. Image reproduced by permission of Kathryn M. Wolfe and Irene E. Park from New J. Chem., 2025, 49, 12032.

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Ziheng Huang, Jinzhe Song, Nannan Xia, Yanqin Lv,* Xun Hu* and Fei He*



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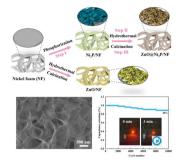
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Decoration of three-dimensional ZnO@Ni2P heterostructure nanoflake arrays: a novel electrode material for hybrid supercapacitors

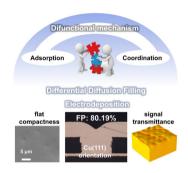
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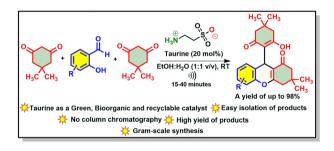
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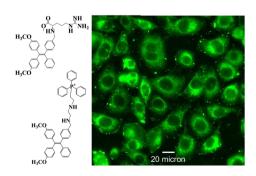
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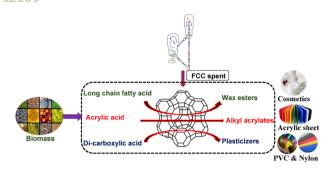
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Kuheli Mandal, Santanu Shaw and Nikhil R. Jana*



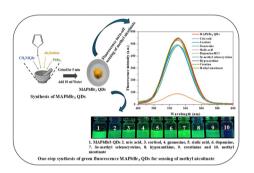
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FCC spent catalyst: a reusable catalyst for efficient esterification to synthesize wax esters, acrylates and plasticizers

Durgaiah Chevella, Mridula Choudhary, Divya Dhakar, Supriyo Majumder,* Saurabh Kumar Singh* and Chiranjeevi Thota

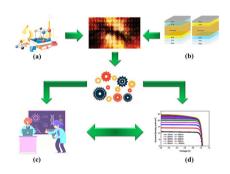
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Nirav Vajubhai Ghinaiya, Pinalben Angarbhai Garasiya, Tae Jung Park and Suresh Kumar Kailasa*

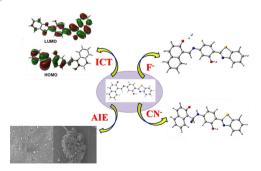
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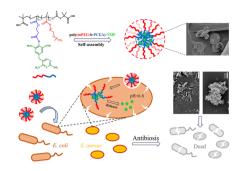
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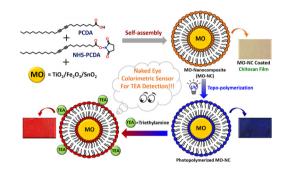
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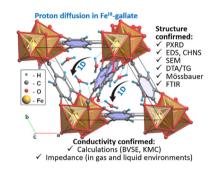
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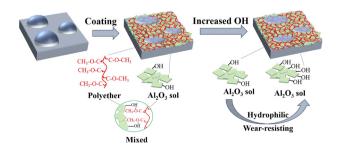
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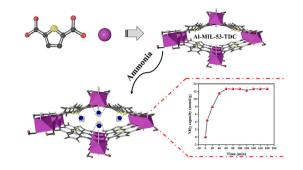
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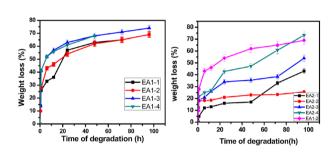
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Ammonia adsorption by Al-MIL-53-TDC: performance evaluation and mechanistic study

Xiaona Wang, Hong Wen, Shenghan Wu, Guowang Xiao, Li Wei* and Jingai Hao*

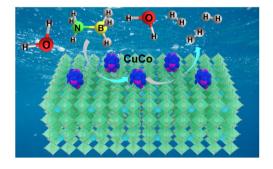
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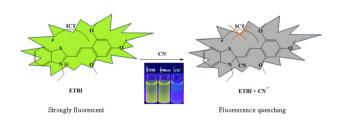
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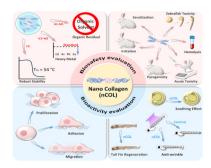
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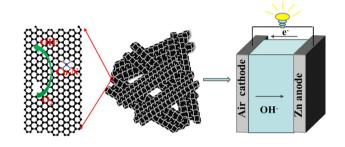
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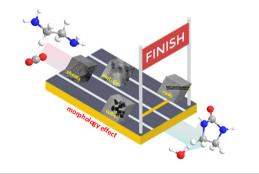
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Reaction pathway for amorphous carbon formation C2-C4 alkenes C6-C8 aromatics Fe₂O₃ Reaction pathway for CNTs formation

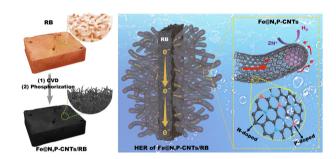
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Engineering crystalline-amorphous interfaces in nickel oxide/porous carbon hybrids for enhanced electrocatalytic water splitting

Zimeng Kong, Junqing Li* and Dongxuan Guo*

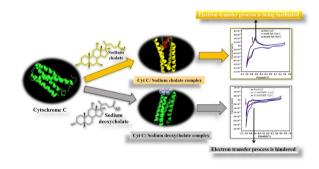
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Upcycling red brick into a superior monolithic hydrogen evolution electrocatalyst

Zhengguo Zhang,* Yiming Li, Jiao Zhang, Yaoyao Zhao, Mengjuan Xu, Fang Wang and Shixiong Min*

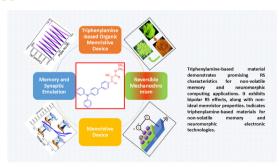
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Hydrophobicity-directed structural alteration in cytochrome C induced by bile salts: physicochemical, spectroscopic, and atomic force microscopic studies with molecular docking analysis

Raju Sardar, Rajesh Banik, Susmita Chowdhury and Soumen Ghosh*

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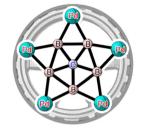
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CB₅Pd₅⁺: a boron-based global minimum with a planar pentacoordinate carbon

Rui Sun,* Xiao-Ling Guan, Bo Jin, Xin Wu, Caixia Yuan* and Yan-Bo Wu*

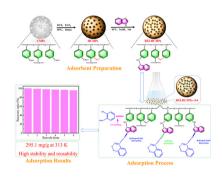


Boron-based planar pentacoordinate carbon in global minimum CB_ePd_e*

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Synthesis, structural characteristics, and adsorption properties of benzimidazole-functionalized hypercross-linked resin

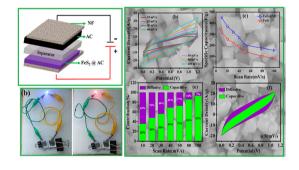
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Muzahir Iqbal, Abhijeet Singh, Manawwer Alam, Anil Arya* and Santosh K. Mahapatra*



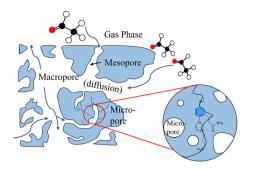
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Hollow P, N dual-doped mesoporous carbon supported Pd nanoparticles for efficient catalytic H₂ generation from formic acid

Firouzeh Nemati* and Marzie Sadat Mirhosseyni*



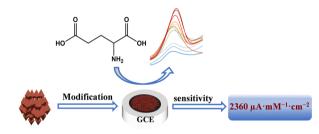
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Zhen Yang, Xian Dong, Longchao Liang and Zhuo Chen*

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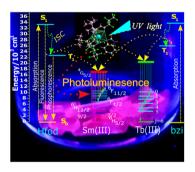


NH₂-MIL-88B (Fe) electrochemical detection of Glu

An electrochemical sensor based on an aminofunctionalized metal-organic framework for the highly sensitive detection of glutamate

Jianbo Tong,* Qi Hou and Yakun Zhang

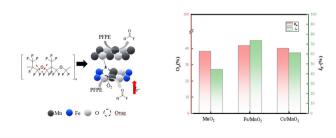
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Photophysical studies of low-symmetry Sm(III) and Tb(III) complexes reveal remarkable quantum yields

Asgar Ali,* Zubair Ahmed,* Khalid Iftikhar and Rahis Uddin*

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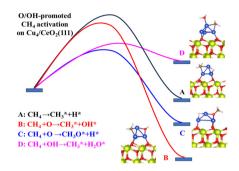
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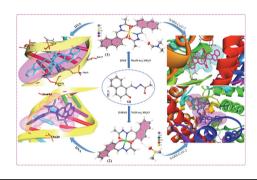
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Synthesis and design of manganese and nickel complexes with potential anticancer and antibacterial activities and antiviral properties for therapeutic applications

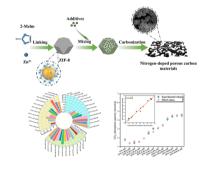
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Mechanoluminescence and nonlinear optical properties of a self-assembled piperazine-based supramolecular system: structural insights and computational analysis

Krishna Murthy Potla,* Suneetha Vankayalapati, Francisco A. P. Osório, Clodoaldo Valverde, Raja Murugesan, Zainab M. Almarhoon, Mahboob Alam and Mohammad Shahidul Islam*

