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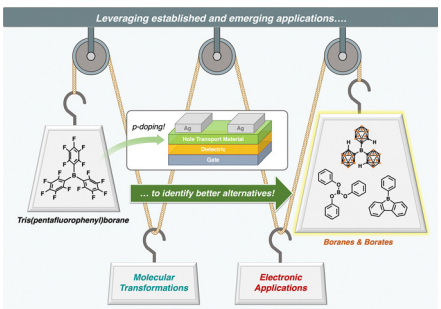
IN THIS ISSUE

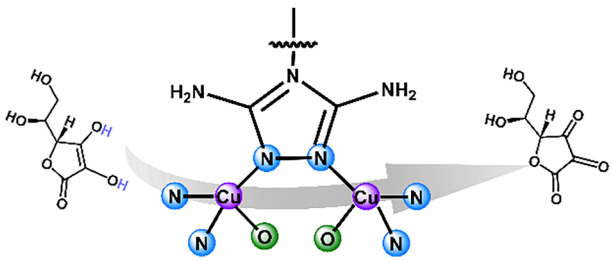
ISSN 1144–0546 CODEN NJCHES 49(28) 12019–12454 (2025)

Cover
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.

PERSPECTIVE



COMMUNICATION



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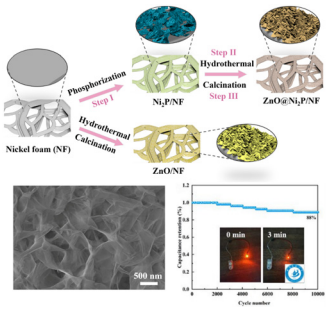

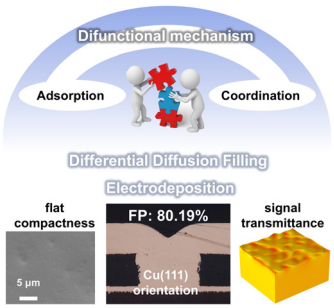

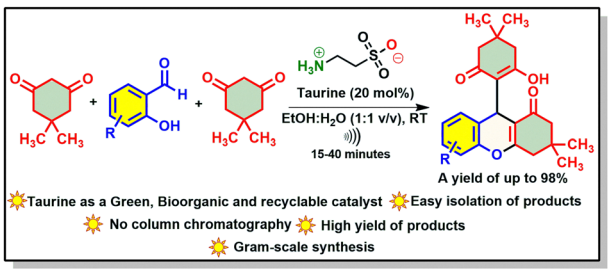

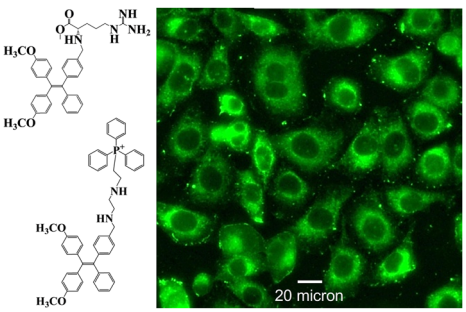

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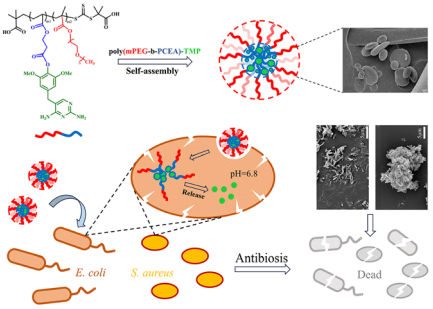

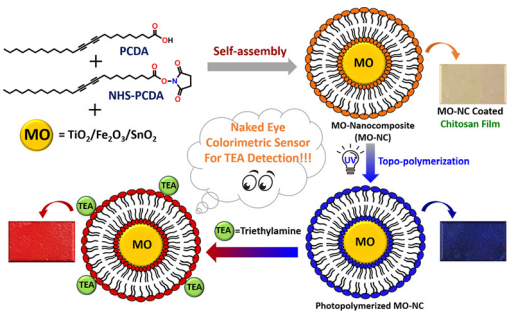

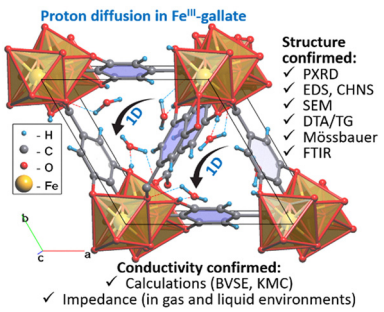

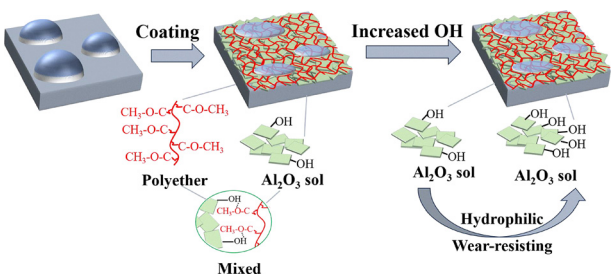

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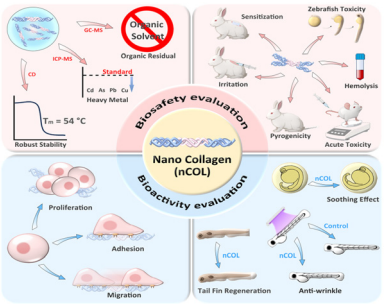

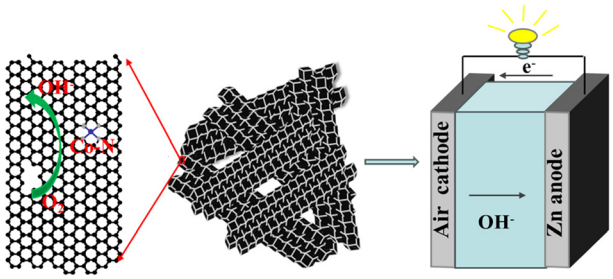

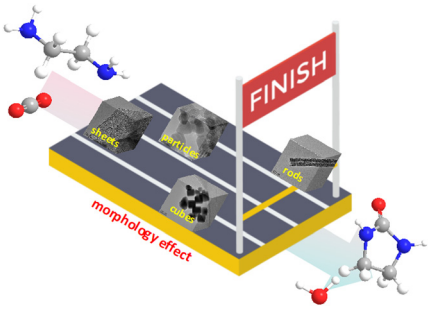

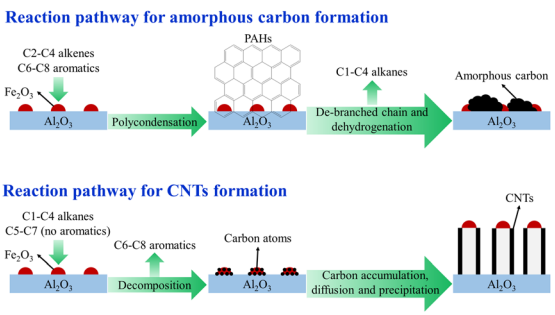

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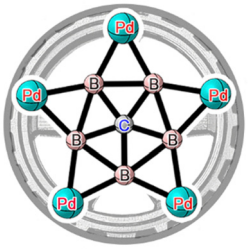
12315

$CB_5Pd_5^+$: 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*

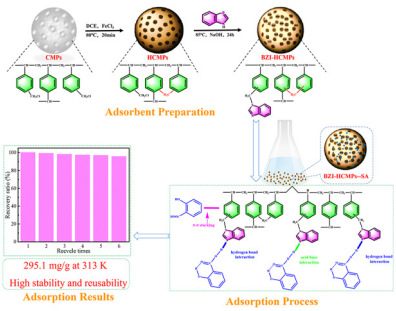


Boron-based planar pentacoordinate carbon in global minimum $CB_5Pd_5^+$

12322

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

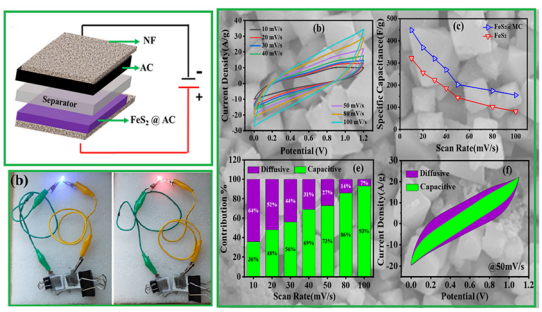
Jixia Li, Yang Tan, Wenkai Chen, Gui Chen,* Lizhi Chen, Jiahui He, Sitong Wang, Haizhou Zhang and Ye Yuan*



12331

Core–shell mesoporous carbon@FeS_2 nanocubes for advanced quasi-solid-state symmetric and asymmetric configurations

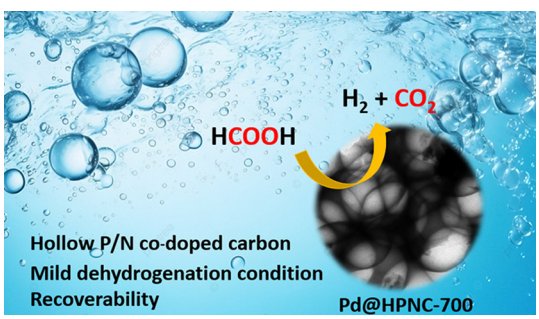
Muzahir Iqbal, Abhijeet Singh, Manawwer Alam, Anil Arya* and Santosh K. Mahapatra*



12339

Hollow P, N dual-doped mesoporous carbon supported Pd nanoparticles for efficient catalytic H_2 generation from formic acid

Firouzeh Nemati* and Marzie Sadat Mirhosseyni*



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