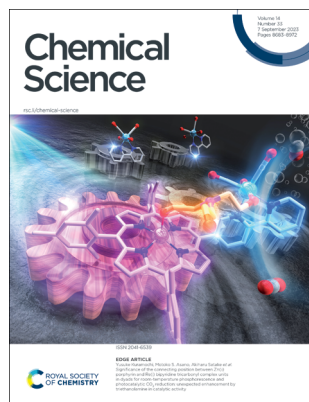


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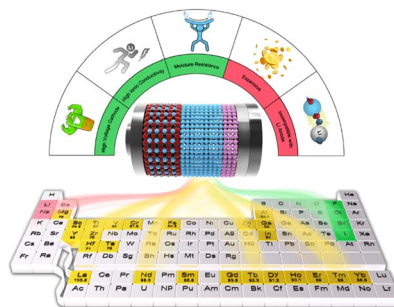
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Halide solid-state electrolytes for all-solid-state batteries: structural design, synthesis, environmental stability, interface optimization and challenges

Boran Tao, Dailin Zhong, Hongda Li, Guofu Wang and Haixin Chang*

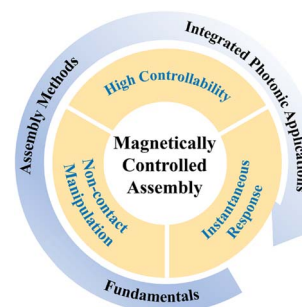


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Lixin Xu, Hao Jia, Chuang Zhang, Baipeng Yin* and Jiannian Yao*



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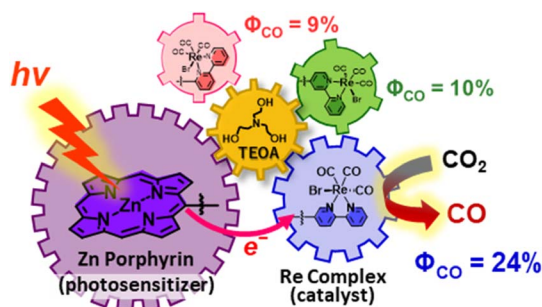
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Significance of the connecting position between Zn(II) porphyrin and Re(I) bipyridine tricarbonyl complex units in dyads for room-temperature phosphorescence and photocatalytic CO₂ reduction: unexpected enhancement by triethanolamine in catalytic activity

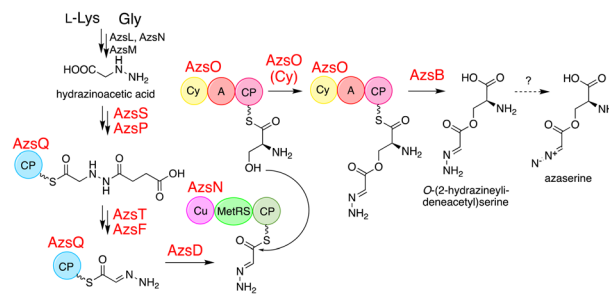
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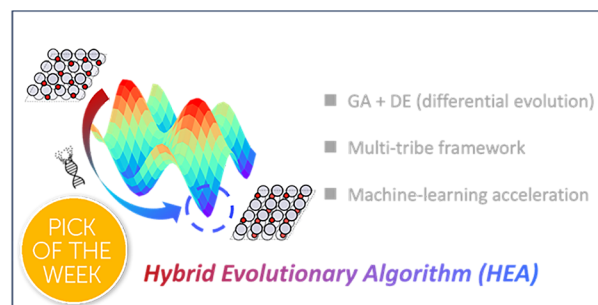
Yusuke Shikai, Seiji Kawai, Yohei Katsuyama* and Yasuo Ohnishi



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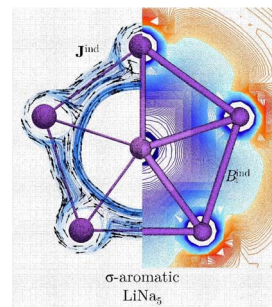
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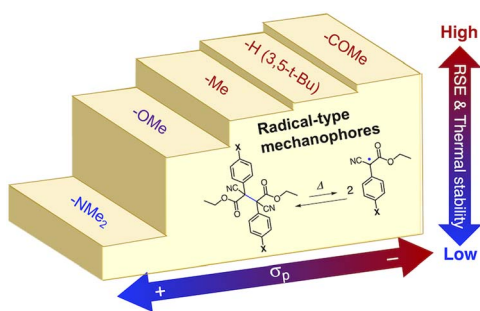
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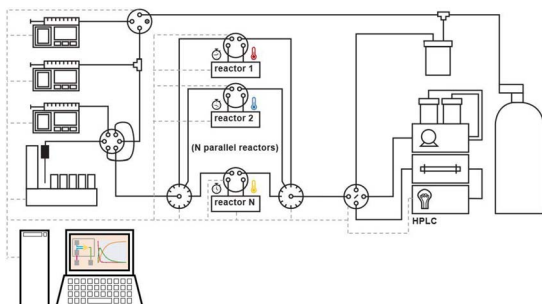
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A rational design strategy of radical-type mechanophores with thermal tolerance

Yi Lu, Hajime Sugita, Koichiro Mikami,* Daisuke Aoki and Hideyuki Otsuka*

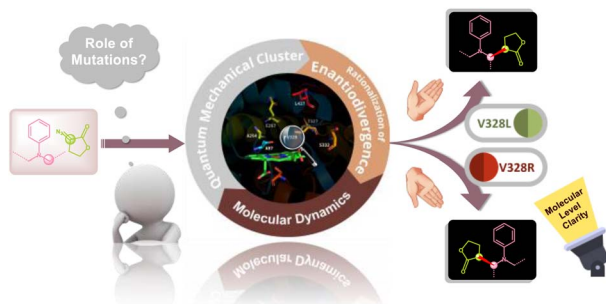
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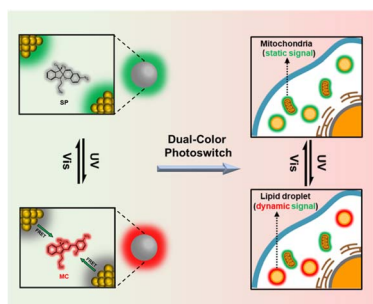
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Role of mutations in a chemoenzymatic enantiodivergent C(sp³)-H insertion: exploring the mechanism and origin of stereoselectivity

Ritwika Chatterjee and Garima Jindal*

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Ligand-protected nanocluster-mediated photoswitchable fluorescent nanoprobe towards dual-color cellular imaging

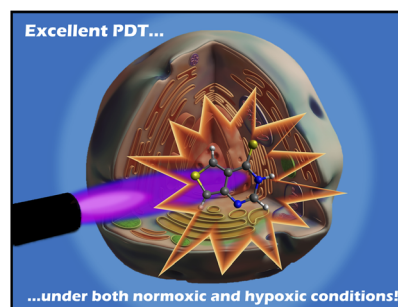
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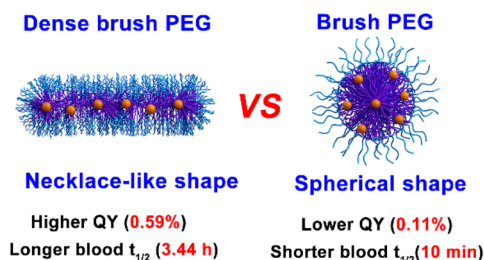
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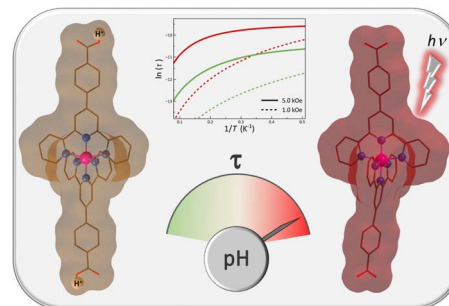
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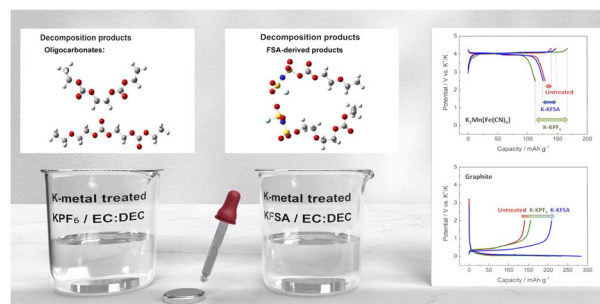
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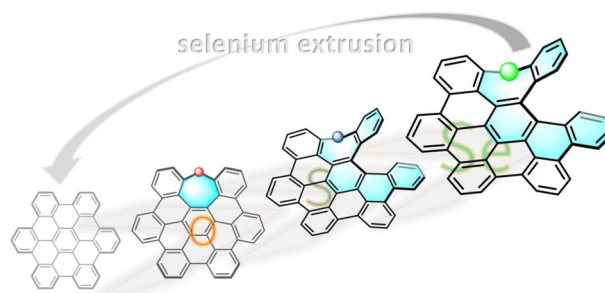
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Ranran Li, Bin Ma, Shengtao Li, Chongdao Lu and Peng An*



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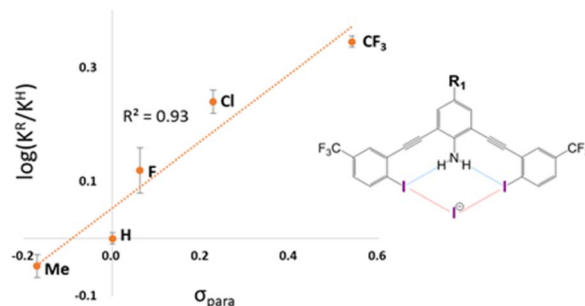
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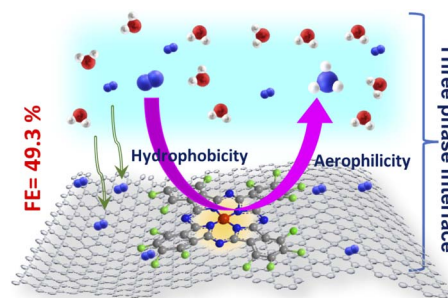
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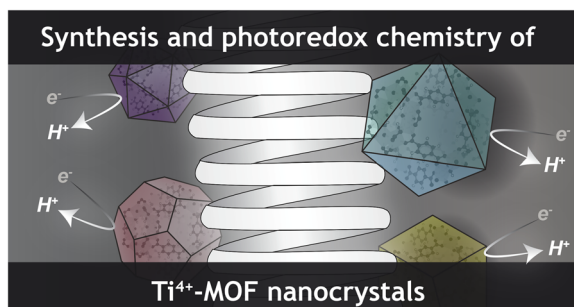
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Engineering hydrophobic–aerophilic interfaces to boost N₂ diffusion and reduction through functionalization of fluorine in second coordination spheres

Sakshi Bhardwaj, Sabuj Kanti Das, Ashmita Biswas, Samadhan Kapse, Ranjit Thapa and Ramendra Sundar Dey*



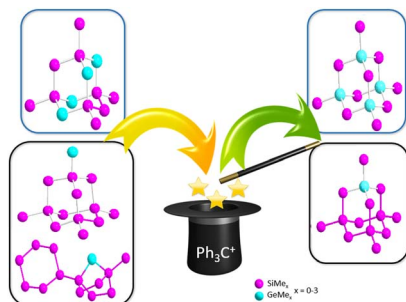
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Gram-scale synthesis of MIL-125 nanoparticles and their solution processability

Kevin Fabrizio, Eoghan L. Gormley, Audrey M. Davenport, Christopher H. Hendon* and Carl K. Brozek*

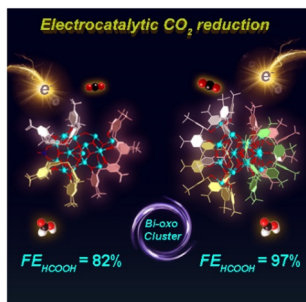
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Electron delocalization of robust high-nuclear bismuth-oxo clusters for promoted CO₂ electroreduction

Baoshan Hou, Haiyan Zheng, Kunhao Zhang, Qi Wu, Chao Qin, Chunyi Sun,* Qinhe Pan, Zhenhui Kang, Xinlong Wang* and Zhongmin Su

