

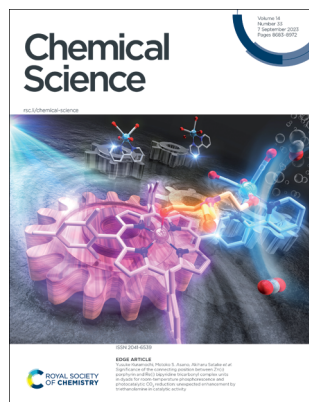
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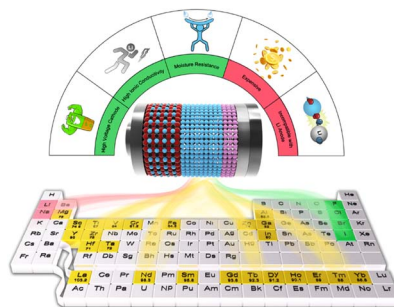
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See Yohei Katsuyama *et al.*, pp. 8766–8776. Image reproduced by permission of Yusuke Shikai and Yohei Katsuyama from *Chem. Sci.*, 2023, 14, 8766.

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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*

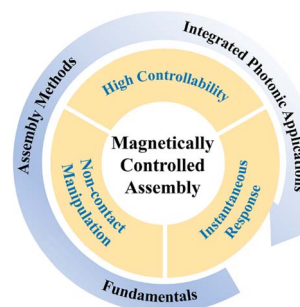


PERSPECTIVE

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Magnetically controlled assembly: a new approach to organic integrated photonics

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



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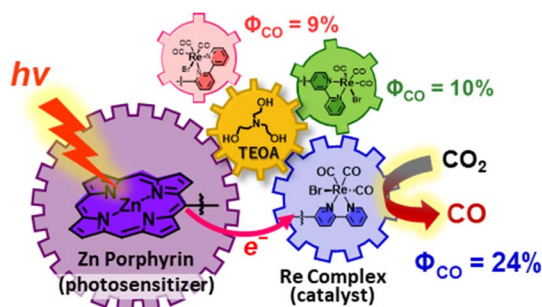
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Significance of the connecting position between Zn(II) porphyrin and Re(I) bipyridine tricarbonyl complex units in dyads for room-temperature phosphorescence and photocatalytic CO₂ reduction: unexpected enhancement by triethanolamine in catalytic activity

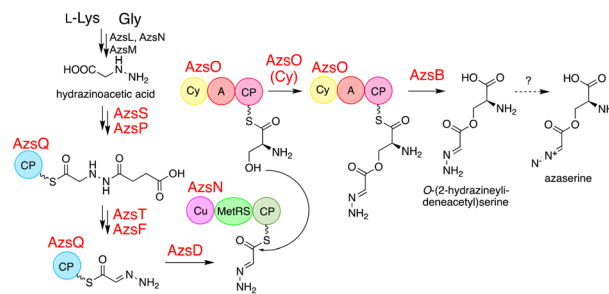
Yusuke Kuramochi,* Yuto Suzuki, Somyo Asai, Tomohiro Suzuki, Hiroki Iwama, Motoko S. Asano* and Akiharu Satake*



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In vitro characterization of nonribosomal peptide synthetase-dependent O-(2-hydrazineylideneacetyl) serine synthesis indicates a stepwise oxidation strategy to generate the α -diazo ester moiety of azaserine

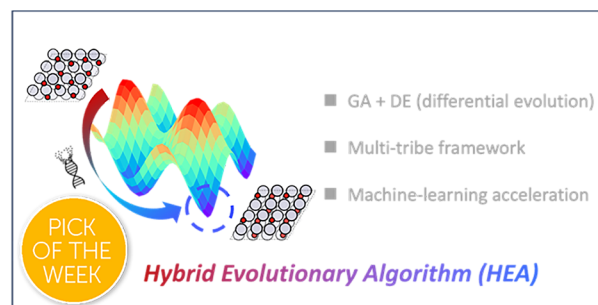
Yusuke Shikai, Seiji Kawai, Yohei Katsuyama* and Yasuo Ohnishi



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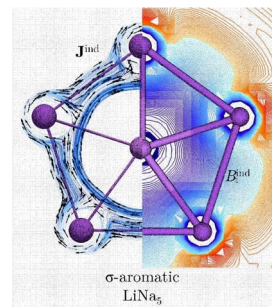
Xiangcheng Shi, Dongfang Cheng, Ran Zhao, Gong Zhang, Shican Wu, Shiyu Zhen, Zhi-Jian Zhao* and Jinlong Gong*



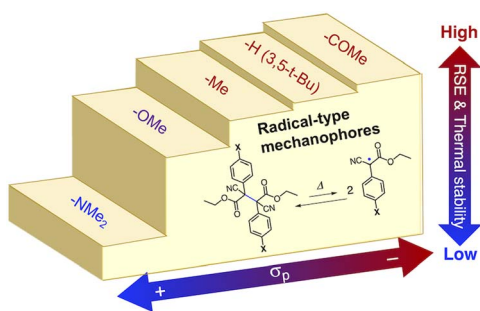
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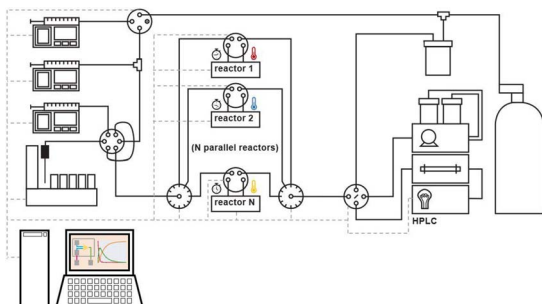
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A rational design strategy of radical-type mechanophores with thermal tolerance

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

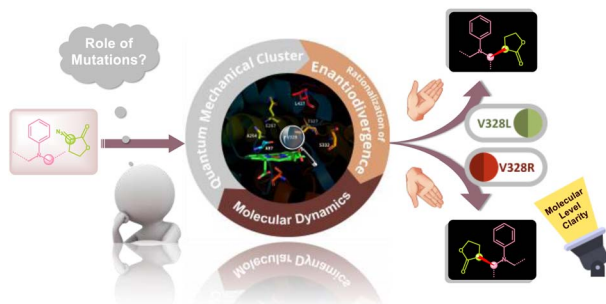
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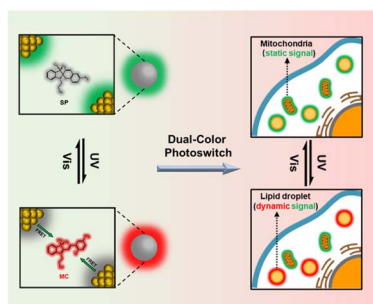
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Role of mutations in a chemoenzymatic enantiodivergent C(sp³)-H insertion: exploring the mechanism and origin of stereoselectivity

Ritwika Chatterjee and Garima Jindal*

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

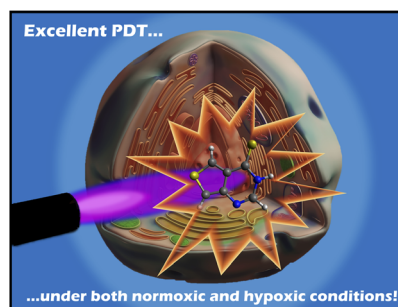
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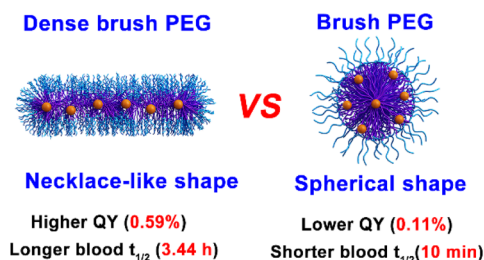
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Controlling NIR-II emitting gold organic/inorganic nanohybrids with tunable morphology and surface PEG density for dynamic visualization of vascular dysfunction

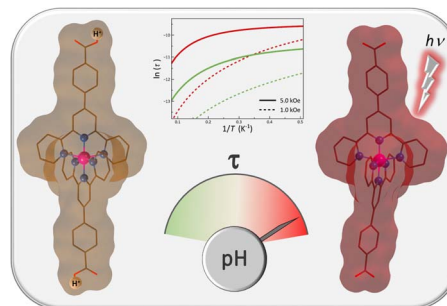
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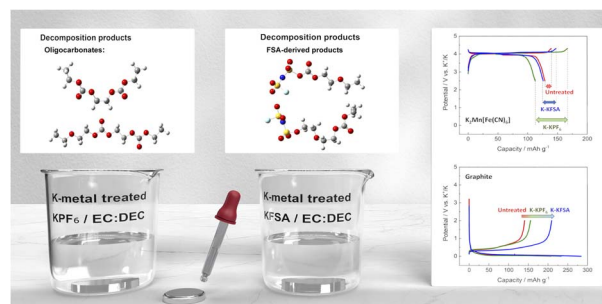
Renato Rabelo, Luminita Toma, Nicolás Moliner, Miguel Julve, Francesc Lloret, Mario Inclán, Enrique García-España, Jorge Pasán, Rafael Ruiz-García and Joan Cano*



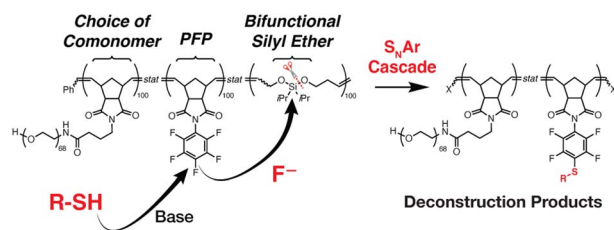
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Impact of electrolyte decomposition products on the electrochemical performance of 4 V class K-ion batteries

Tomooki Hosaka, Tatsuo Matsuyama, Ryoichi Tatara, Zachary T. Gossage and Shinichi Komaba*



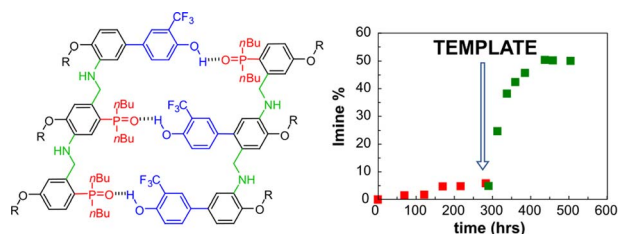
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Christopher M. Brown, Keith E. L. Husted, Yuyan Wang, Landon J. Kilgallon, Peyton Shieh, Hadiqa Zafar, David J. Lundberg and Jeremiah A. Johnson*

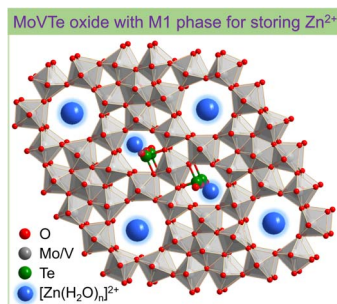
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Sequence-selective duplex formation and template effect in recognition-encoded oligoanilines

Daniele Rosa-Gastaldo, Andrea Dalla Valle, Tommaso Marchetti and Luca Gabrielli*

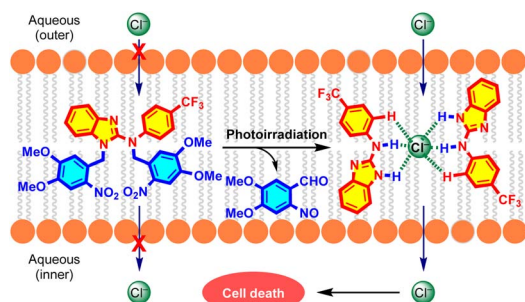
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Atomic scale analysis of Zn^{2+} storage in robust tunnel frameworks

Kaiyue Zhu, Hongxin Wang, Weikang Jiang, Weili Xie, Xu Li, Zhenghao Jia and Weishen Yang*

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Photocontrolled activation of doubly *o*-nitrobenzyl-protected small molecule benzimidazoles leads to cancer cell death

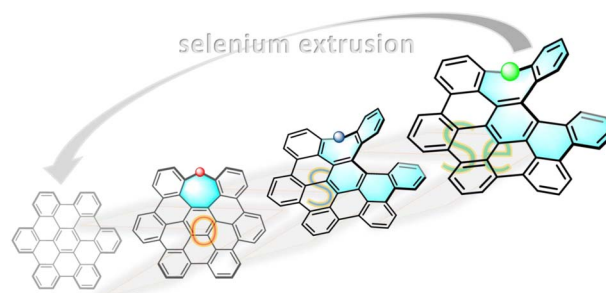
Manzoor Ahmad, Naveen J. Roy, Anurag Singh, Debashis Mondal, Abhishek Mondal, Thangavel Vijayakanth, Mayurika Lahiri and Pinaki Talukdar*



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



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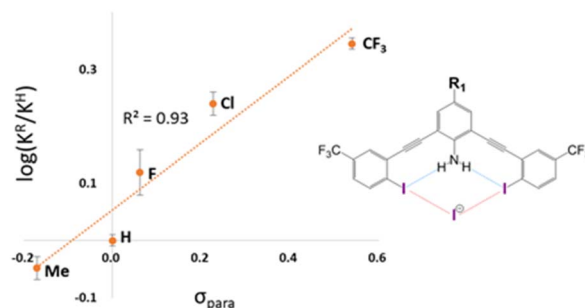
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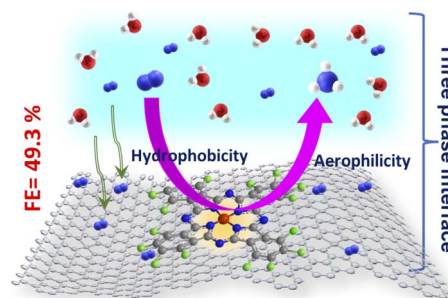
Jiyu Sun, Daniel A. Decato, Vyacheslav S. Bryantsev, Eric A. John and Orion B. Berryman*



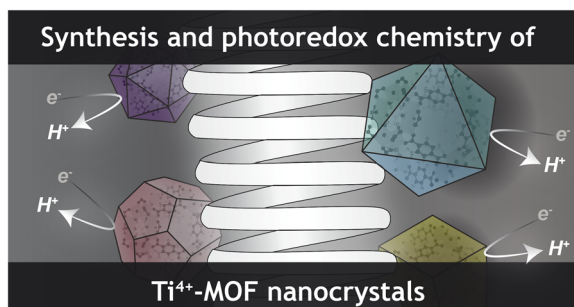
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Engineering hydrophobic–aerophilic interfaces to boost N₂ diffusion and reduction through functionalization of fluorine in second coordination spheres

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



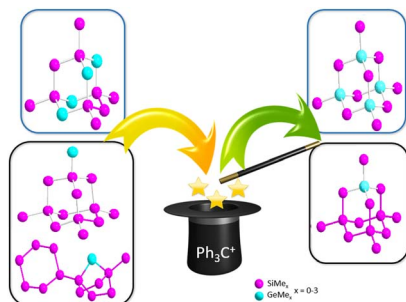
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Gram-scale synthesis of MIL-125 nanoparticles and their solution processability

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

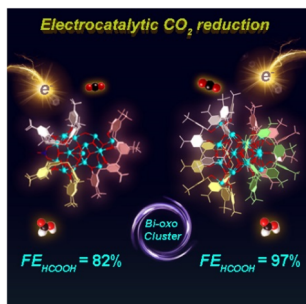
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Steffen Kühn, Benedikt Köstler, Celine True, Lena Albers, Matthias Wagner,* Thomas Müller* and Christoph Marschner*

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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

