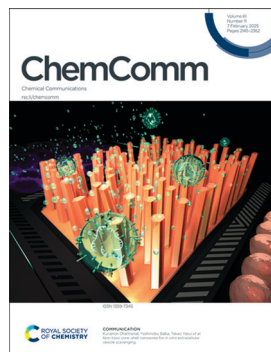


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See Kunanon Chattrairat, Yoshinobu Baba, Takao Yasui *et al.*, pp. 2269–2272. Image reproduced by permission of Takao Yasui from *Chem. Commun.*, 2025, 61, 2269.



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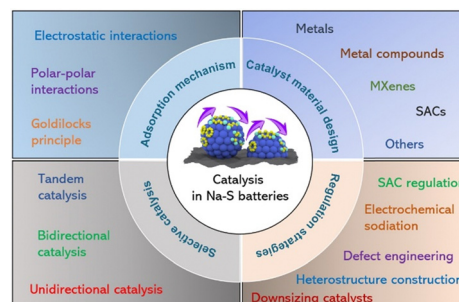
See Takashi Komuro, Hisako Hashimoto *et al.*, pp. 2273–2276. Image reproduced by permission of Hisako Hashimoto from *Chem. Commun.*, 2025, 61, 2273.

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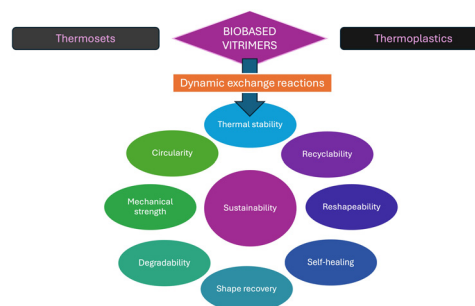
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Alberto Mariani and Giulio Malucelli\*



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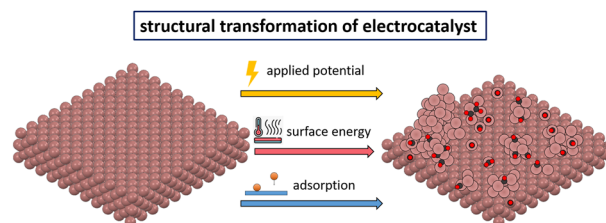


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# Dynamic restructuring of electrocatalysts in the activation of small molecules: challenges and opportunities

Hsiwen Wu and Jie Zhang\*

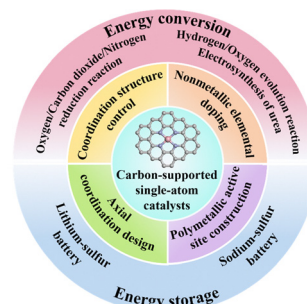


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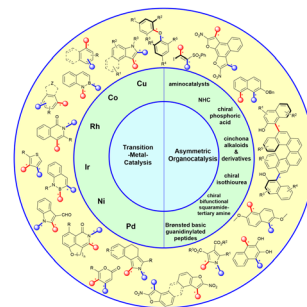
Hengjia Shao, Li Zhong, Xingqiao Wu, Yun-Xiao Wang,\* Sean C. Smith\* and Xin Tan\*



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# Biaxially chiral compounds: research and development of synthesis

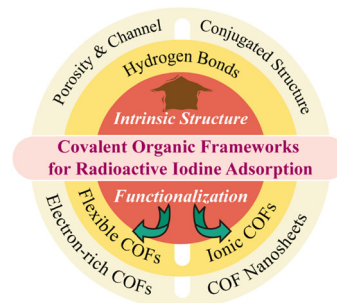
Kongling Feng, Chaochao Yao and Hao Xu\*



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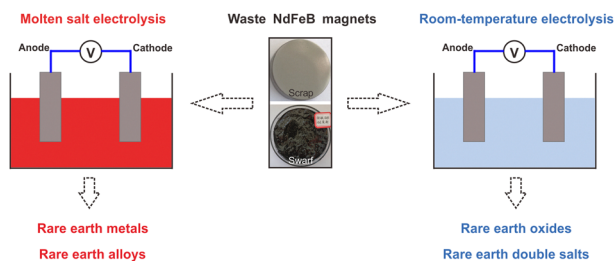
# Covalent organic frameworks for radioactive iodine capture: structure and functionality

Jie Fu,\* Jin-Yang Kang, Wei Gao, Zhi-Wen Huang, Ling-Qin Kong, Kai Xie, Qiu-Hong Zhu, Guo-Hao Zhang, Guo-Hong Tao\* and Ling He



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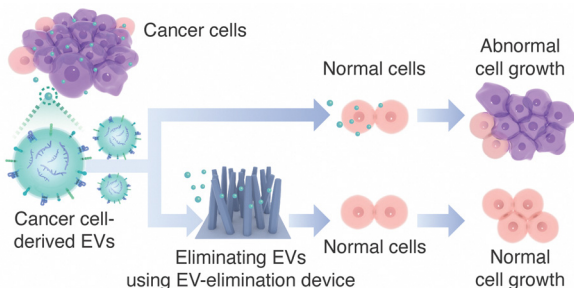


## Recent progress in electrochemical recycling of waste NdFeB magnets

Xuan Xu,\* Xiaozheng Jia, Kunyuan Zhao, Peng Xu, Peng Jing,\* Baocang Liu and Jun Zhang\*

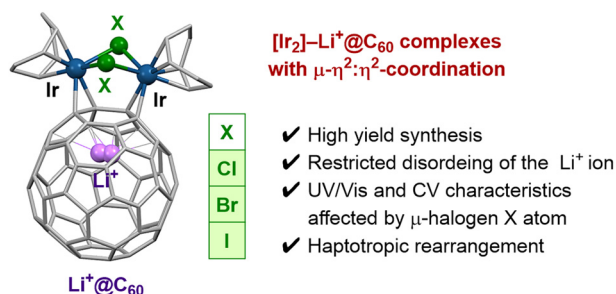
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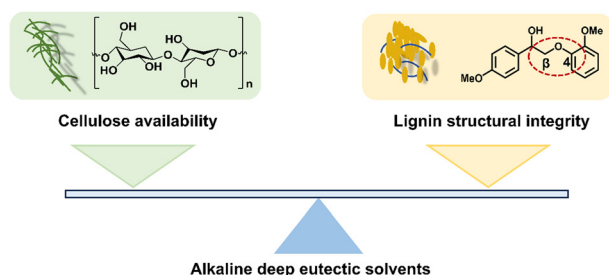
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Chinari Fukushi, Takashi Komuro\* and Hisako Hashimoto\*

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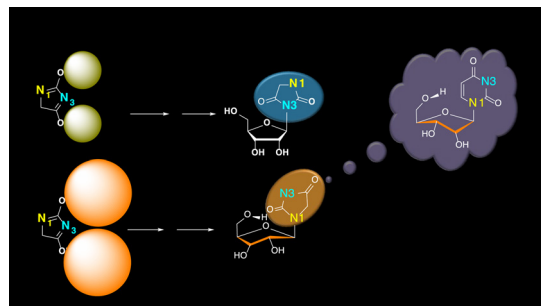


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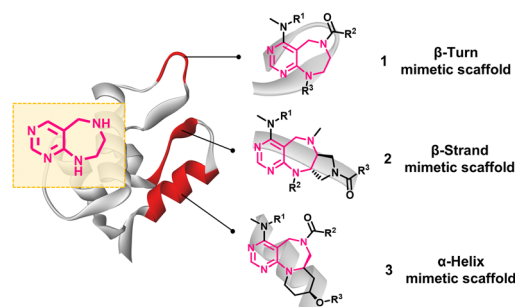
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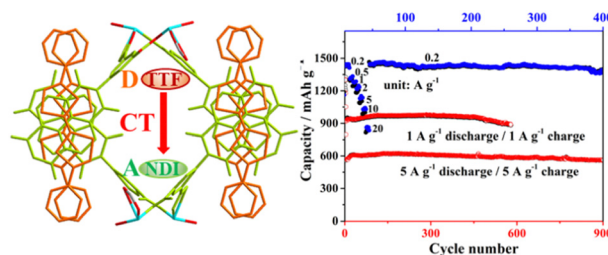
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**A metal–organic framework with mixed electron donor and electron acceptor ligands for efficient lithium-ion storage**

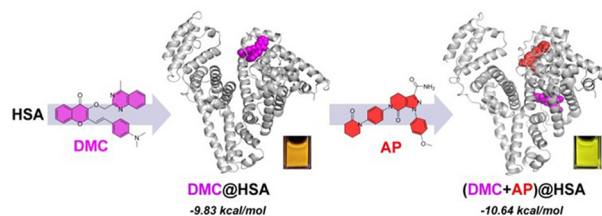
Ruo-Nan Wang, Yu-Chuan Tan, Wei Liu, Zi-Yi Wang, Jun-Die Zhang and Qin-Yu Zhu\*



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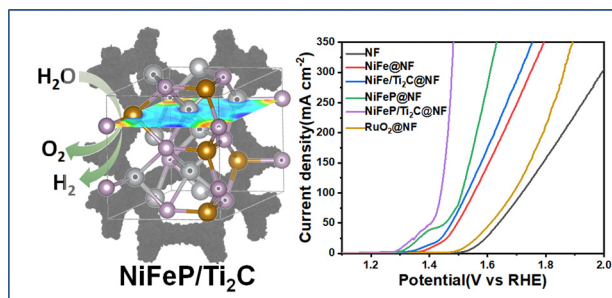
**A FA1-targeting albumin marker enables the ratiometric detection of apixaban in urine**

Weihua Deng, Immanuel David Charles,\* Zhongyong Xu, Taoyuze Lv, Lei Wang, Xiongzhi Xiang\* and Bin Liu\*





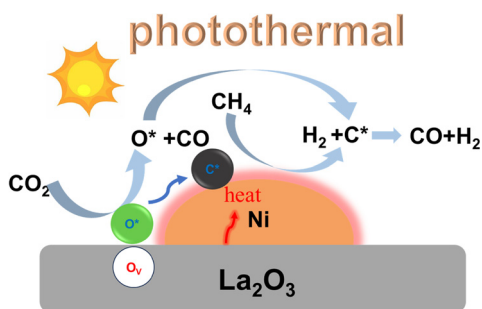
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Ya Cao, Jiangchuan Liu, Siqi Xu, Yunjiao Yang, Yi Yu,\*  
Zhidong Chen\* and Changhai Liu\*

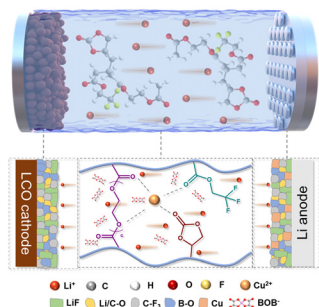
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Lingxin Meng, Yuteng Jia and Shaowen Wu\*

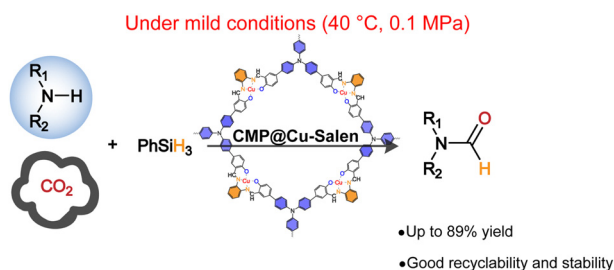
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Mochun Zhang, Yuting Hu, Jing Xu, Junquan Lai,  
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### A Cu-salen-based conjugated microporous polymer catalyst for *N*-formylation of CO<sub>2</sub> under mild conditions

Shuai Gu, Junxi Shou, Anqi Chen, Wenhua Yu,  
Ruiren Tang, Chunyue Pan, Juntao Tang\* and  
Guipeng Yu\*



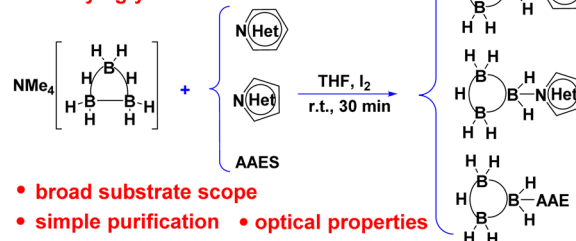
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Xi-Meng Chen,\* Jing-Xian Chi, Yin-Yin Li, Yi-Wen Ge, Peng Wang, Hongju Wang, Kai Jiang, Yan-Na Ma and Xuenian Chen\*

- mild conditions
- easy to scale-up
- satisfying yields

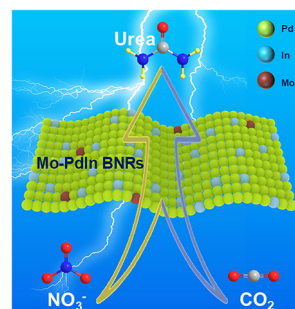


- broad substrate scope
- simple purification
- optical properties

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### Alloying effect modulated electronic structure of Mo-doped PdIn bimetallic nanoribbons for ambient electrosynthesis of urea

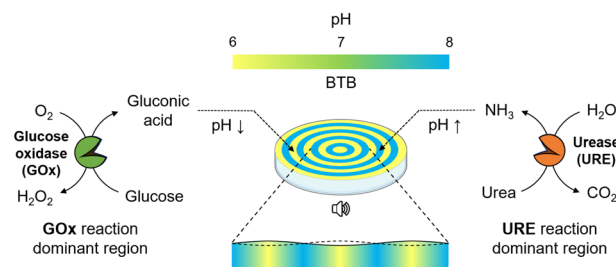
You Xu, Shiming Wang, Yueji Wu, Qiqi Mao,\* Hongjie Yu, Kai Deng, Ziqiang Wang, Liang Wang\* and Hongjing Wang\*



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### Spatiotemporal generation of alternating disparate pH domains via audible sound controlled opposing enzymatic reactions

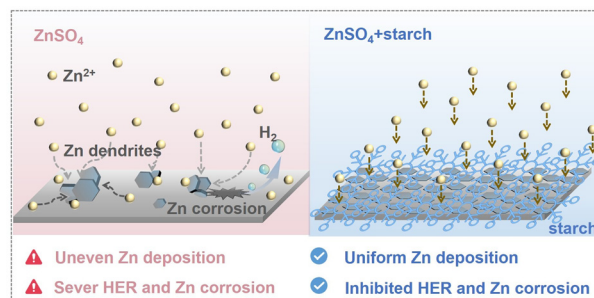
Mingyu Kim, Rahul Dev Mukhopadhyay, Kimoon Kim\* and Ilha Hwang\*



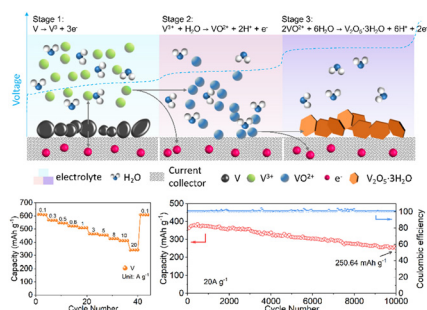
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### Polyhydroxy starch with abundant hydroxyls and a unique structure enables uniform Zn deposition

Ming Song, Zhaohe Guo, Yan Xu,\* Xueyao Mo, Xuena Xu, Limei Sun, Wenyi Tan, Dongliang Chao and Wanhai Zhou\*



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### Metallic vanadium activated by an *in situ* dissolution–deposition process for a superior aqueous zinc ion battery cathode

Kai Guo, Ye Li, Changchen Yang, Yijing Xiang, Shanqi Pan, Qingpu Zeng, Zhuyao Li, Neng Yu\* and Xianfu Wang\*

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### Three-step click assembly using trivalent platforms bearing azido, ethynyl, and fluorosulfonyl groups

Takahiro Yasuda, Gaku Orimoto and Suguru Yoshida\*

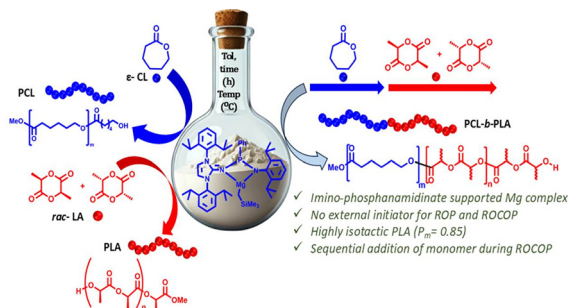
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### Leveraging ligand conjugation to improve luminescence thermometry in Dy-single-molecule magnets

Shraoshee Shome, Naresh Chandra Maurya, Moubani Mukherjee, K. V. Adarsh and Sanjit Konar\*

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### Crafting tailored, well-defined block copolymers of cyclic esters with an organomagnesium initiator

Priyanku Nath, Shweta Sagar, Aranya Ray, Himadri Karmakar, Alok Sarkar,\* Vadapalli Chandrasekhar\* and Tarun K. Panda\*



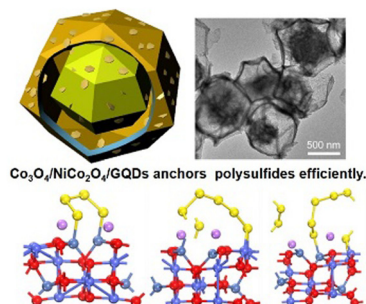


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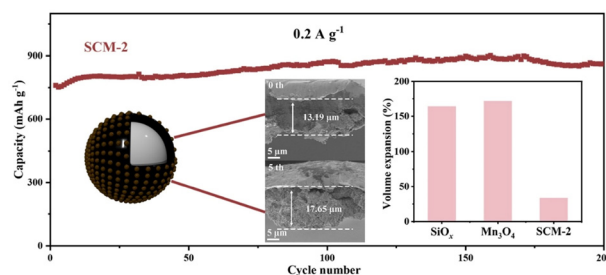
Jing Xu, Kehao Tao, Yajun Zhu, Ting Zhou, Xiaofei Huang, Jinjin Li\* and Jinyun Liu\*



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### Mutual suppression of $\text{Mn}_3\text{O}_4$ and $\text{SiO}_x$ in an innovative anode design for enhanced cycling stability

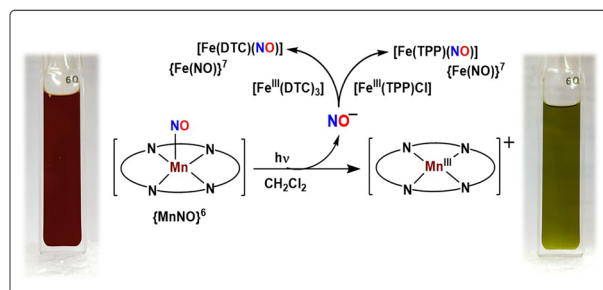
Miao Li, Quan Ouyang, Kai Yao, Yaowen Wang, Mingwei Ma, Shilong Fu, Xu Zhao, Guangshe Li\* and Liping Li\*



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### Photo-induced nitroxyl anion/ $\text{HNO}$ release from a nitrosyl complex of $\text{Mn}(\text{II})$ -porphyrinate

Shankhadeep Saha, Sayani Maity, Bapan Samanta, Riya Ghosh, Kalishankar Bhattacharyya and Biplab Mondal\*



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### Nickel-catalyzed reductive cross-coupling of difluoromethylated secondary alkyl bromides with organohalides

Bosheng Liu, Jinxu Dong, Hongyi Wang, Jiaming Chen, Shiwen Liu, Xiaodong Xiong, Yanli Yuan\* and Xiaojun Zeng\*

