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IN THIS ISSUE

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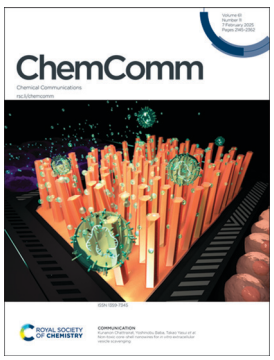


Cover
See Kunanon Chattrairat, Yoshinobu Baba, Takao Yasui *et al.*, pp. 2269–2272. Image reproduced by permission of Takao Yasui from *Chem. Commun.*, 2025, **61**, 2269.

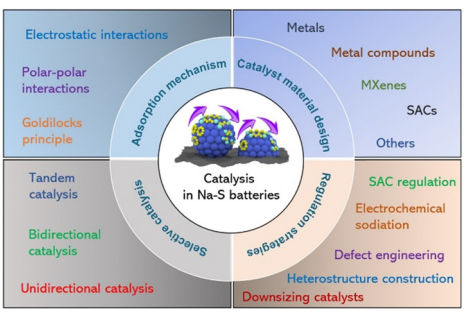
Inside cover
See Takashi Komuro, Hisako Hashimoto *et al.*, pp. 2273–2276. Image reproduced by permission of Hisako Hashimoto from *Chem. Commun.*, 2025, **61**, 2273.

HIGHLIGHTS

2156

Progress and perspectives on electrocatalysis in room-temperature Na–S batteries

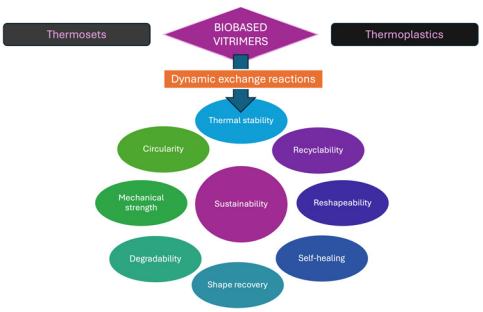
Xiang-Long Huang,* Xue Li, Mingyue Yang, Yeqing Yang, Jiahao Qian, Long Yao, Kunjie Zhu, Hua-Kun Liu and Yun-Xiao Wang*



2173

Biobased vitrimers: towards sustainability and circularity

Alberto Mariani and Giulio Malucelli*

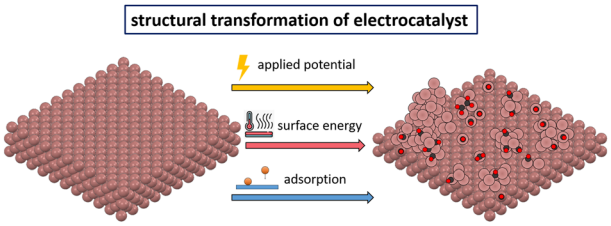


HIGHLIGHTS

2190

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

Hsiwen Wu and Jie Zhang*

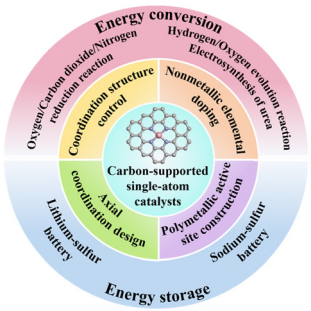


FEATURE ARTICLES

2203

Recent progress of density functional theory studies on carbon-supported single-atom catalysts for energy storage and conversion

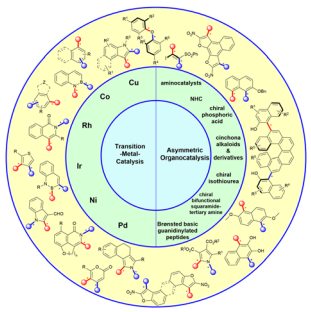
Hengjia Shao, Li Zhong, Xingqiao Wu, Yun-Xiao Wang,* Sean C. Smith* and Xin Tan*



2217

Biaxially chiral compounds: research and development of synthesis

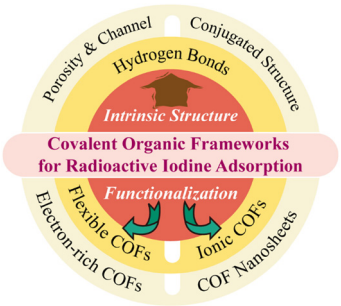
Kongling Feng, Chaochao Yao and Hao Xu*



2235

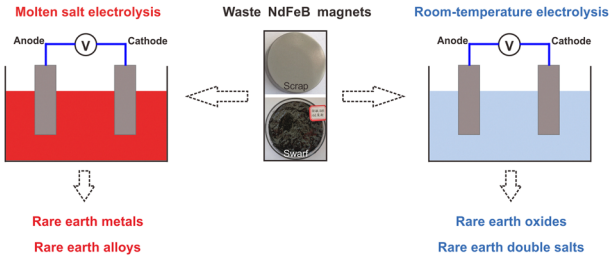
Covalent organic frameworks for radioactive iodine capture: structure and functionality

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



FEATURE ARTICLES

2257



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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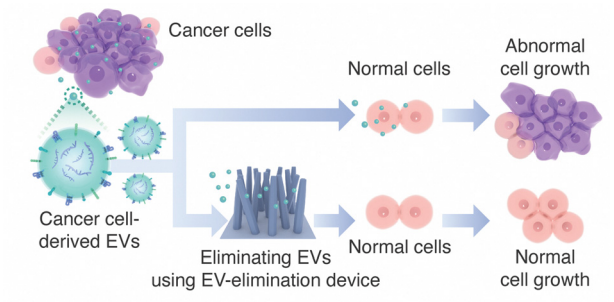
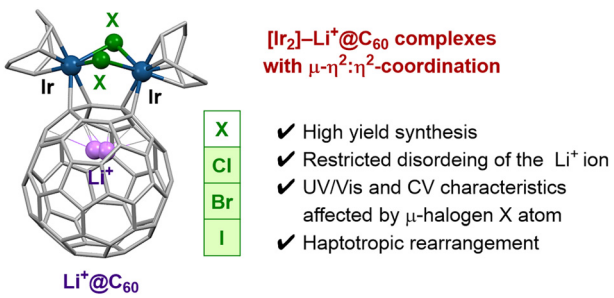
2269



Non-toxic core–shell nanowires for *in vitro* extracellular vesicle scavenging

Piyawan Paisrisarn, Kunanon Chattrairat,* Yuta Nakamura, Kazuki Nagashima, Takeshi Yanagida, Yoshinobu Baba* and Takao Yasui*

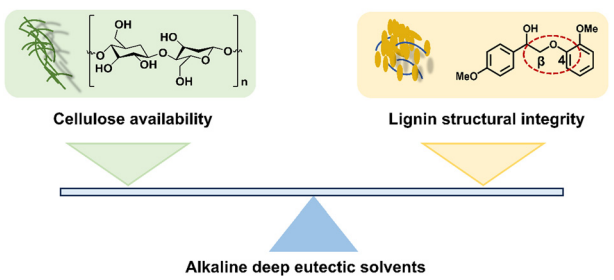
2273



Dinuclear iridium complexes ligated by lithium-ion endohedral fullerene $Li^+@C_{60}$

Chinari Fukushi, Takashi Komuro* and Hisako Hashimoto*

2277



The swelling-induced fractionation strategy to mediate cellulose availability and lignin structural integrity

Dong Tian,* Yu Zhang, Tingjiao Wang, Baiheng Jiang, Miao Liu, Li Zhao, Jinguang Hu and Fei Shen*

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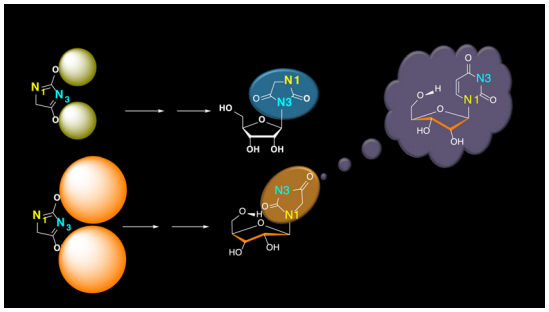
2281

Regioselective N1-ribosylation of hydantoin: synthesis and properties of the first contracted uridine analog

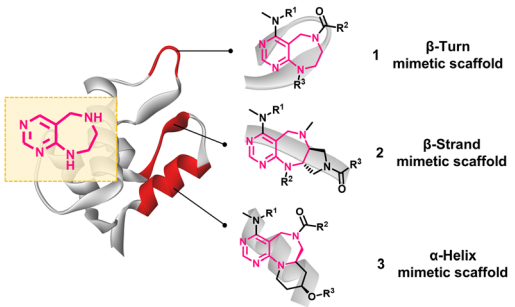
Odai Bsoul, Yakir Lampel, Maayan Rofe, Natalie Pariente-Cohen, Chen Timsit and Bilha Fischer*



2285

Rational design strategies for innovative small-molecule scaffolds inspired by three pivotal protein secondary structures

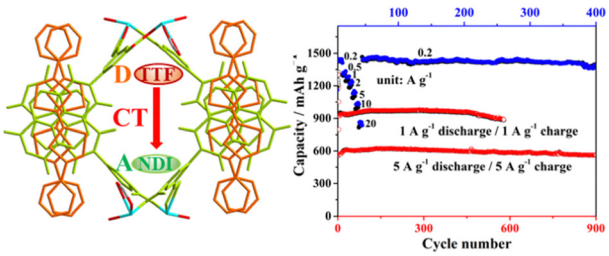
Jeong Yeon Yoo, Chanwoo Kim, Ji Hoon Kwon, Hana Cho, Kiyoung Jeong, Wonwoo Park, Younghun Kim, Dongwhan Lee and Seung Bum Park*



2289

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

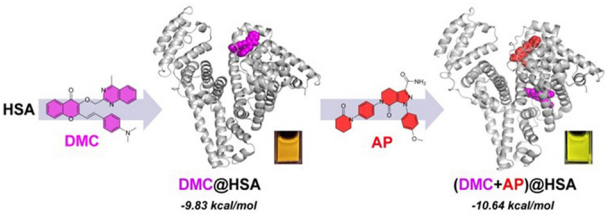
Ruo-Nan Wang, Yu-Chuan Tan, Wei Liu, Zi-Yi Wang, Jun-Die Zhang and Qin-Yu Zhu*



2293

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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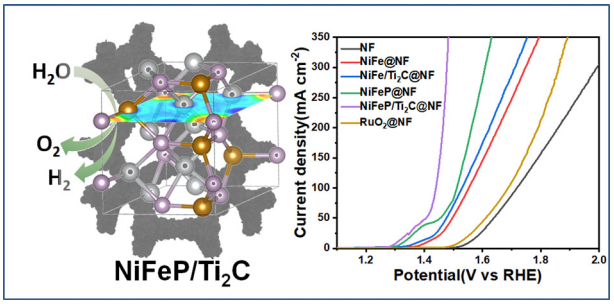
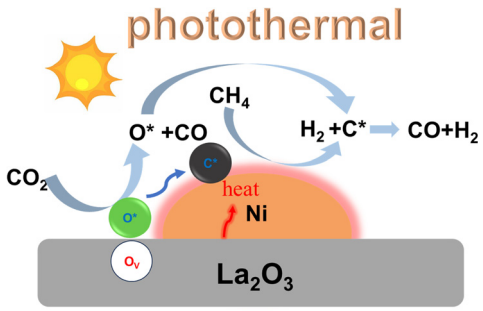
2297



Phosphorus-doped nickel–iron hydroxides/MXene for efficient electrochemical water oxidation

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

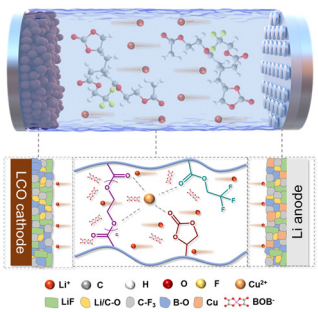
2301



Efficient photothermal catalytic methane dry reforming over rich oxygen vacancy catalysts

Lingxin Meng, Yuteng Jia and Shaowen Wu*

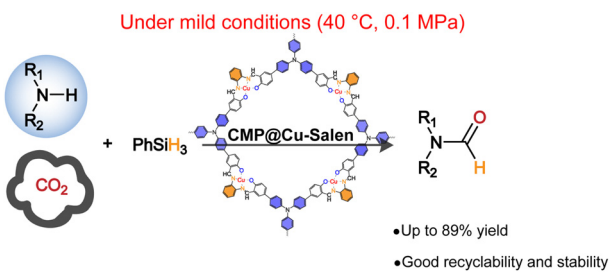
2305



Dual additives enabling high-performance solid polymer electrolytes for stable cycling of lithium metal batteries

Mochun Zhang, Yuting Hu, Jing Xu, Junquan Lai, Jialong Cao, Mengran Wang* and Yanqing Lai

2309



A Cu-salen-based conjugated microporous polymer catalyst for *N*-formylation of CO_2 under mild conditions

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

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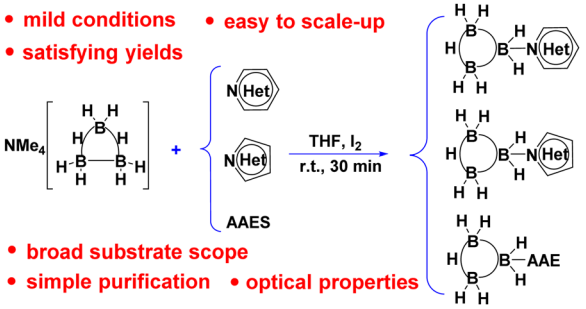
2313

Synthesis, structures, and optical properties of N-heterocycle and amino acid ester-coordinated B_3H_7

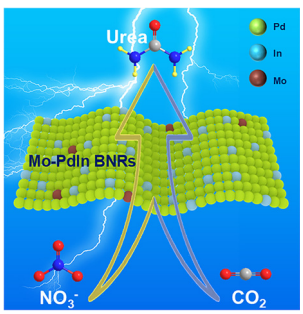
Xi-Meng Chen,* Jing-Xian Chi, Yin-Yin Li, Yi-Wen Ge, Peng Wang, Hongju Wang, Kai Jiang, Yan-Na Ma and Xuenian Chen*



2317

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

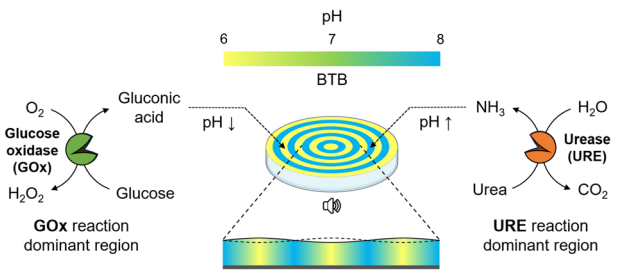
You Xu, Shiming Wang, Yueji Wu, Qiqi Mao,* Hongjie Yu, Kai Deng, Ziqiang Wang, Liang Wang* and Hongjing Wang*



2321

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

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



2325

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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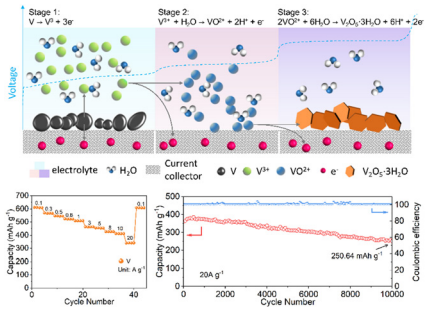
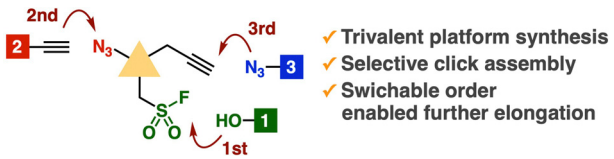
2329



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*

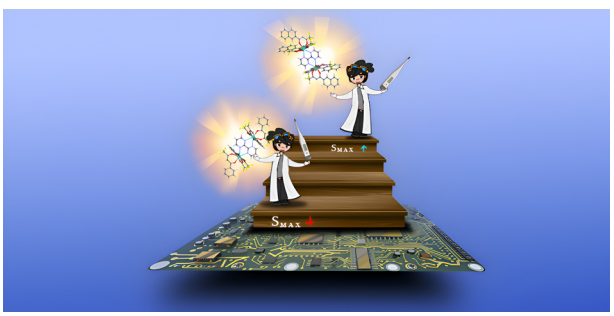
2333



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

Takahiro Yasuda, Gaku Orimoto and Suguru Yoshida*

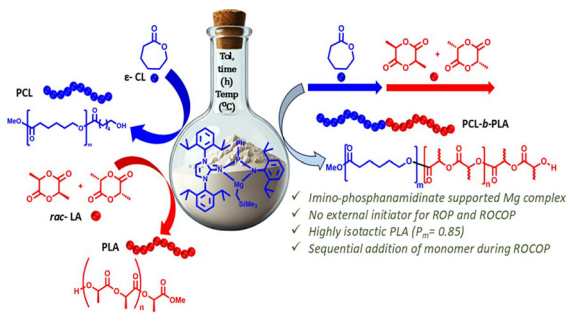
2337



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*

2341



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

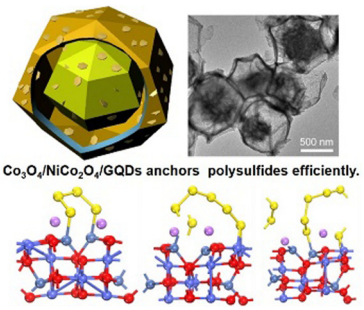
Priyanku Nath, Shweta Sagar, Aranya Ray, Himadri Karmakar, Alok Sarkar,* Vadapalli Chandrasekhar* and Tarun K. Panda*

COMMUNICATIONS

2345

Graphene quantum dot-modified $Co_3O_4/NiCo_2O_4$ yolk–shell polyhedrons as a polysulfide-adsorptive sulfur host for lithium–sulfur batteries

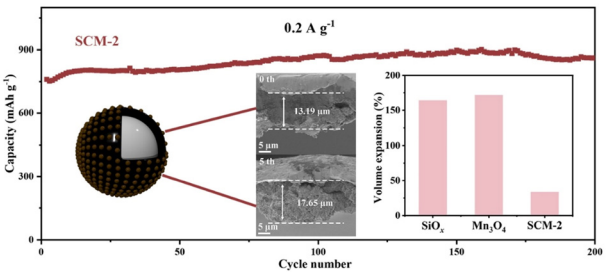
Jing Xu, Kehao Tao, Yajun Zhu, Ting Zhou, Xiaofei Huang, Jinjin Li* and Jinyun Liu*



2349

Mutual suppression of Mn_3O_4 and SiO_x in an innovative anode design for enhanced cycling stability

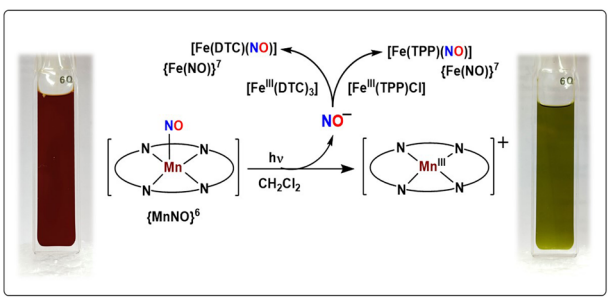
Miao Li, Quan Ouyang, Kai Yao, Yaowen Wang, Mingwei Ma, Shilong Fu, Xu Zhao, Guangshe Li* and Liping Li*



2353

Photo-induced nitroxyl anion/HNO release from a nitrosyl complex of Mn(II)–porphyrinate

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



2357

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*