

IN THIS ISSUE

ISSN 1359-7345 CODEN CHCOFS 62(35) 8779-9028 (2026)



Cover

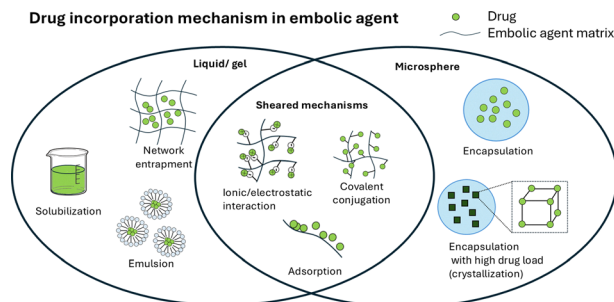
See Masaaki Mitsui *et al.*, pp. 8905–8909. Image reproduced by permission of Masaaki Mitsui from *Chem. Commun.*, 2026, 62, 8905.

FEATURE ARTICLES

8791

Therapeutic embolic agents for targeted drug delivery in transcatheter therapies: a review

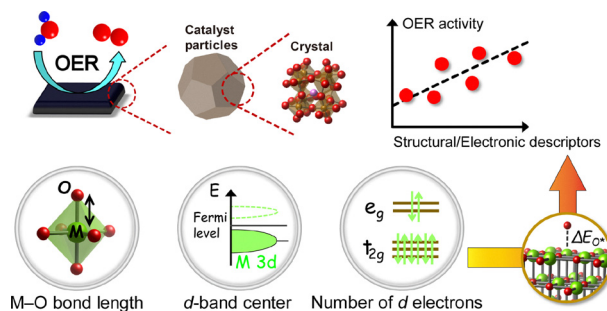
Keren Zhao, Peng Chen, George Varghese P. J., Mohammad-Reza Hosseini-Siyanaki, Reza Talaie, Amirhossein Arzani, Charles Kim and Jingjie Hu*



8814

From bulk parameters to catalytic activity: descriptors for nonprecious metal electrocatalysts for water electrolysis

Yuuki Sugawara* and Takeo Yamaguchi*



Industrial Chemistry & Materials

GOLD OPEN ACCESS

Focus on industrial chemistry
Advance material innovations
Highlight interdisciplinary feature

Published on 07 May 2016. Downloaded under a Creative Commons Attribution License



Innovative.
Interdisciplinary.
Problem solving

APCs currently waived

Learn more about ICM
Submit your high-quality article

 @IndChemMater

 @IndChemMater

rsc.li/icm

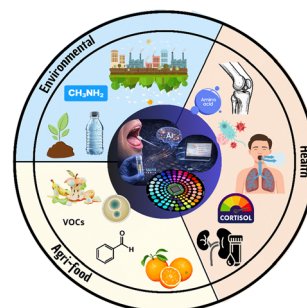


FEATURE ARTICLES

8826

Synthetic fluorescent receptor arrays for sensing in complex matrices: from robust chemistry to data-driven readouts

Rossella Santonocito, Alessia Cavallaro, Nunzio Tuccitto and Giuseppe Trusso Sfrassetto*

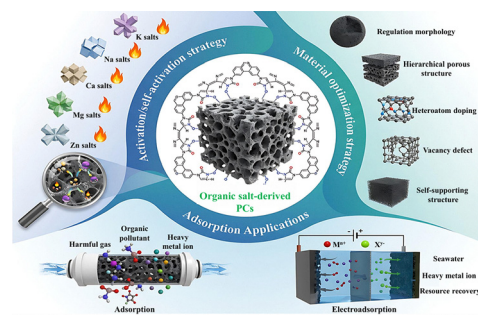


REVIEWS

8844

Activation/self-activation, construction, material optimization strategies and adsorption/electrodesorption applications of organic salt-derived porous carbons

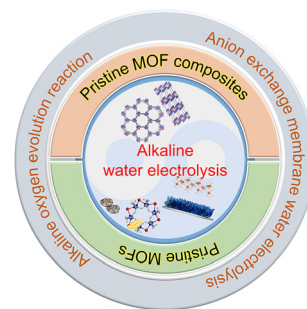
Yanghao Yan, Qin Zhong, Xingfei Wu, Yunlong Zhou, Huijuan Jia and Mingxing Shi*



8874

Pristine metal–organic frameworks and their composites as anodic electrocatalysts for anion exchange membrane water electrolysis

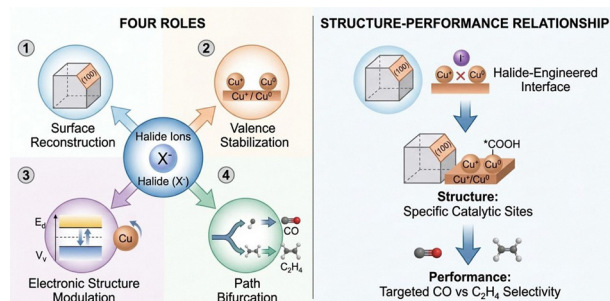
Zichen Xu, Lixia Qi, Yuanjuan Jiang, Berna Topuz, Qiang Guo and Limin Ren*



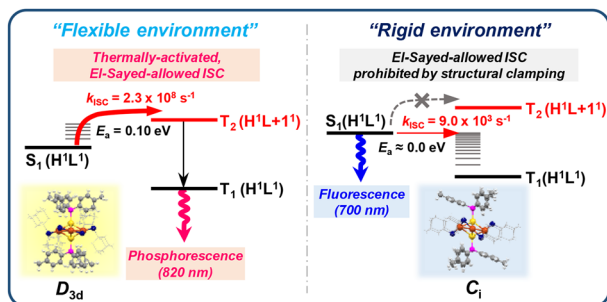
8893

Mechanism of halide ions in regulating product selectivity in electrocatalytic CO₂ reduction

Dan Wang,* Xiangdong Meng, Kaibin Li,* Junjun Mao, Yi Zhao, Qiangqiang Sun and Baoyue Cao*



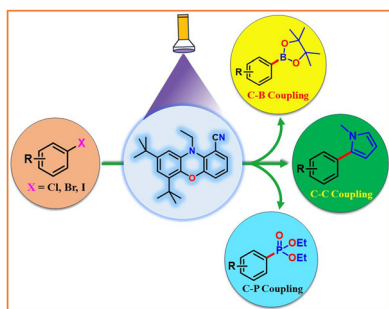
8905



Aggregation-induced structural clamping drives NIR photoluminescence switching in Au_2Cu_6 nanoclusters by suppressing El-Sayed-allowed intersystem crossing

Hayato Yamauchi, Daichi Arima and Masaaki Mitsui*

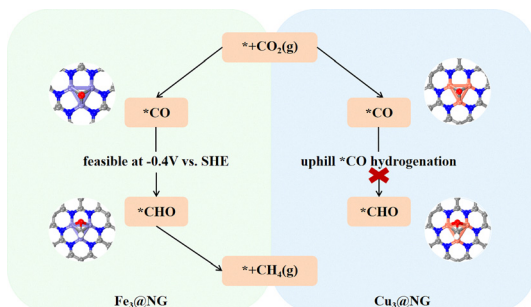
8910



A cyano-substituted phenoxazine moiety as an organophotoredox catalyst for C-C, C-B and C-P coupling reactions with aryl halides

Aditi Das and Chandan Mukherjee*

8915



Constant-potential DFT insights into CO_2 electroreduction on Fe_3 and Cu_3 clusters supported by N-doped graphene

Zishang Mou and Jingyao Liu*

8919



Construction of $p-Bi_2O_3/n-ZnO$ nanowire heterojunctions with enhanced photoelectrochemical properties

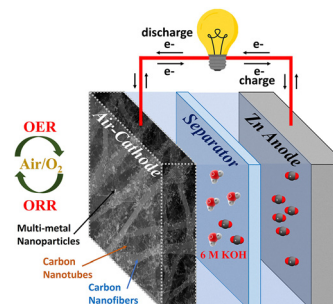
Ying-Chu Chen, Meng-Lei Lu and Yu-Kuei Hsu*



8923

Hierarchically confined FeNiCoMn alloy nanoparticles enable the development of durable bifunctional air cathodes for zinc–air batteries

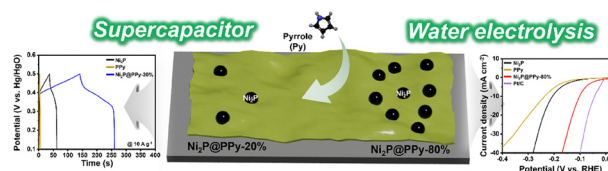
Iram Aziz, Rabiya Javed Awan, Adeel Hashmi, Xing Chen, Xuhui Hu, Wenjing Zhang* and Salman Nosheer Arshad*



8928

Tunable Ni₂P@polypyrrole nanocomposites for efficient hydrogen evolution and high-performance supercapacitors

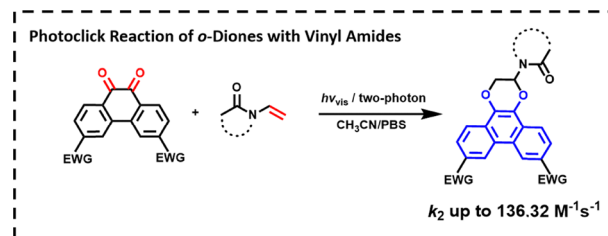
Jong Hun Kim, Duong Nguyen Nguyen, Jaekyum Kim, Won Tae Hong, Kyoungsuk Jin, Chengkai Xia, Sangyul Baik,* Jun Young Kim,* Jun Young Lee and Jung Kyu Kim*



8933

Visible-light-driven bioorthogonal photoclick reaction of *o*-diones with vinyl amides

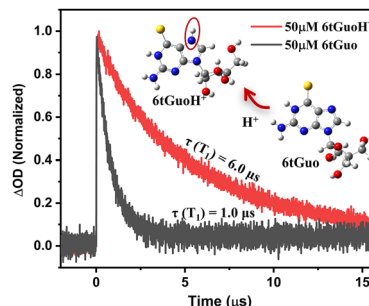
Xue Yang, Bolin Xu, Xiang Wang, Jinbo Li* and Yan Zhang*



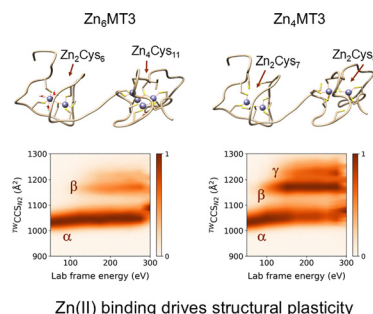
8937

Protonation regulates the triplet state decay of 6-thioguanosine

Dongyu Li, Yan Liu, Shuyi Yan, Qian Zhou, Zhuoran Kuang, Hongmei Zhao, Yang Li, Jialong Jie,* Di Song* and Hongmei Su*



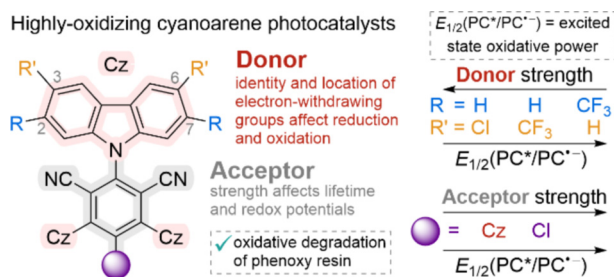
8942



Structural domain plasticity drives Zn(II) distribution and buffering in metallothionein-3

Manuel David Peris-Díaz, Eduard H. T. M. Ebberink, Jan Fiala, Albert J. R. Heck and Artur Krężel*

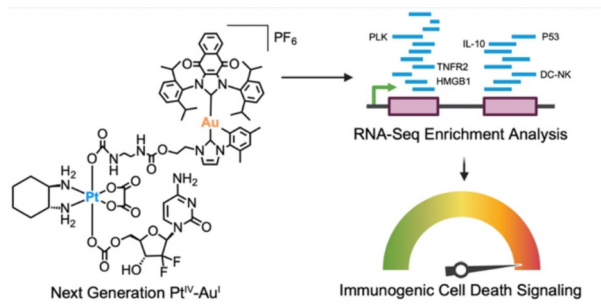
8947



Formalizing structure–property relationships of highly-oxidizing and weakly-reducing organic cyanoarene photocatalysts

Brandon M. Hosford, Mik Patel, Rolando Calderón-Oliver, Maren B. Thompson, Jennifer S. Cortez and Jessica R. Lamb*

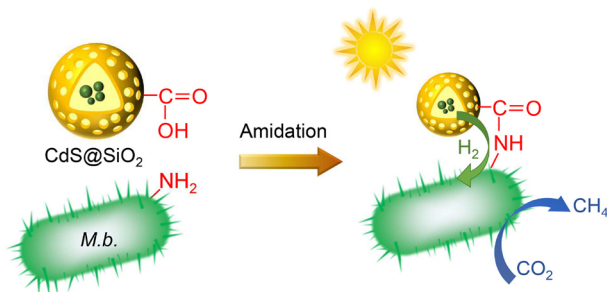
8952



A next-generation multimetal complex induces immunogenic cell death with distinct transcriptomic signatures

Tomer Babu, Matthew S. Levine, Bingsong Zeng and Jonathan L. Sessler*

8956



Photocatalyst encapsulation and amidation-mediated cell anchoring for advancing photosynthetic biohybrids

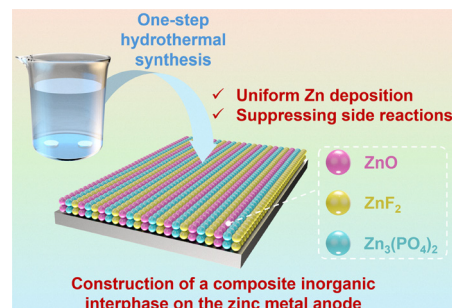
Jian-Li Mi,* Wei Chen, Jun-Lin Li, Lu Liu, Zhi-Zhong Yuan, Jun-Ying Liu* and Yang-Chun Yong*



8960

One-step formation of composite inorganic interphases for stable zinc metal anodes

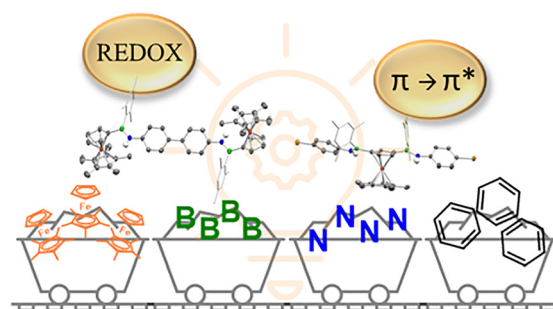
Xinchun Song, Jingliang Jiang, Yifang Zhang, Gan Li, Zhengquan Xiao, En Gao, Yongtao Li* and Zhipeng Jiang*



8964

Incorporation of ferrocene moieties into the backbone of BCN hybrid polymers via 1,3-linkage

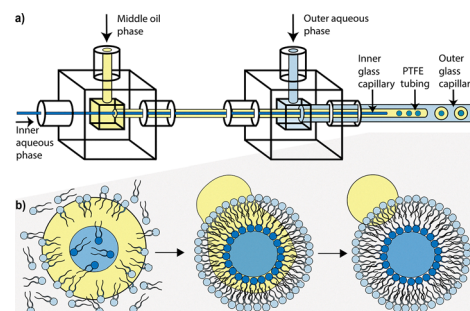
Vivien Schütz, Jonas Kroth, Kathrin Handrup, Jonas Klopff, Alexandra Friedrich and Holger Helten*



8969

Phospholipid asymmetry in biomimetic vesicles alters membrane permeability

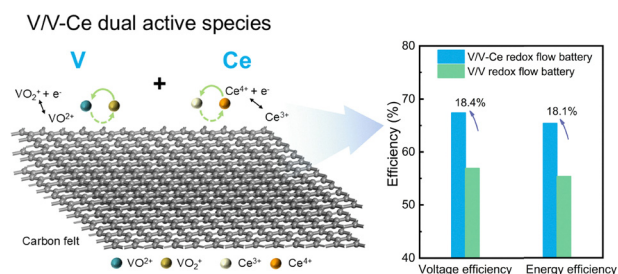
Paige Allard, Alex R. McDonald, Kaitlyn Ramsay and Katherine S. Elvira*



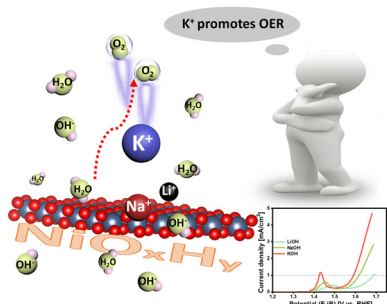
8973

Enhancing the energy density and stability of vanadium-based redox flow batteries via a dual active species strategy

Deliang Zeng, Meirong Gu, Binglei Liu, Han Qi, Lei Wang, Weiming Chen* and Xiaolei Huang*



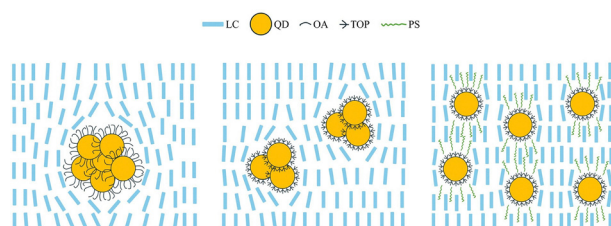
8977



Understanding alkali cation regulation of oxygen evolution on nickel (oxy)hydroxide

Yi Wei, Ling Li, Miao Fan, Jinyan Xiong, Weijie Li and Chao Han*

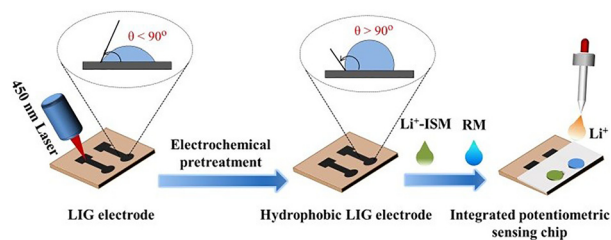
8982



Interfacial stabilization of quantum dot/liquid crystal co-assemblies for efficient circularly polarized luminescence

Junlong Xiao, Qiulian Liu, Qinglong Tu, Muhammad Umer, Nan Ren, Qiang Jing,* Haiguang Zhao* and Yang Song*

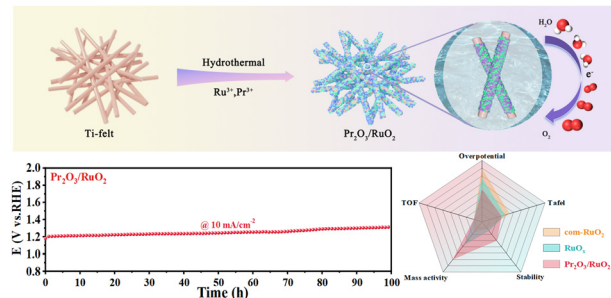
8987



A highly stable potentiometric Li^+ -sensing chip based on hydrophobic laser-induced graphene

Xinyan Xia, Tanji Yin,* Jinghui Li, Xuming Zhuang and Wei Qin

8992



$\text{Pr}_2\text{O}_3/\text{RuO}_2$ heterojunction catalysts with enhanced activity and durability for acidic oxygen evolution

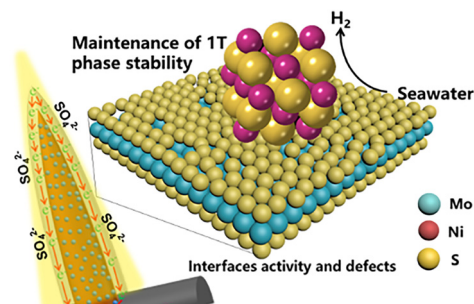
Jingya Han, Qi Xu, XinYi Xu, Jinjie Qian, Dong Cai, Huagui Nie, Xuemei Zhou* and Zhi Yang*



8996

Efficient seawater electrolysis for hydrogen production with a NiS₂-stabilized 1T-MoS₂ catalyst

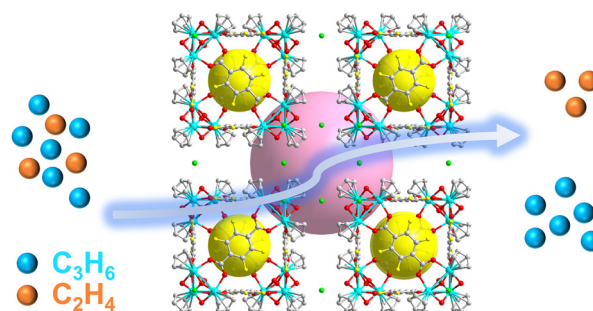
Lianhui Wu, Haiying Wei, Hanxiao He, Yuwan Xiang, Shiyue Yin, Daying Guo,* Guoyong Fang, Huile Jin, Xi'an Chen* and Shun Wang



9001

A fluorinated zirconium metal–organic cage-based supramolecular framework for efficient separation of methanol-to-olefin (MTO) products

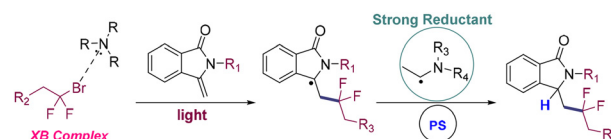
Tao Yang, Zhiyuan Fan, Jingyang Zheng, Meng Zhang, Tao Chen, Yuqing Zhou, Changjiang Li,* Yao Jiang* and Lin-Bing Sun*



9006

Photoinduced amine-mediated hydrodifluoroalkylation of 3-methyleneisindolin-1-ones

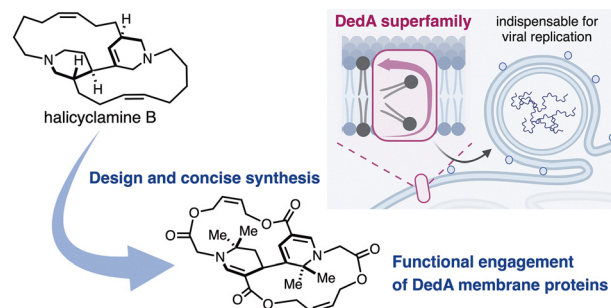
Vivek Kumar, Abhishek Kumar, Ananthakrishna Panuganti and Veera Reddy Yatham*



9011

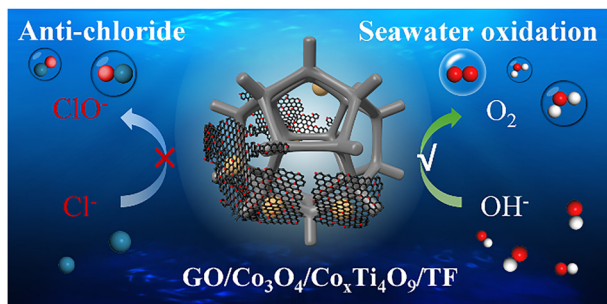
Design and concise synthesis of halicyclamine-inspired bis-macrocycles targeting DedA membrane proteins

Toshiaki Wayama, Riku Horinouchi, Masayoshi Arai,* Hirofumi Ohashi, Koichi Watashi,* Satoshi Yoshida, Sota Sato, Sachiko Tsukamoto and Hiroki Oguri*



COMMUNICATIONS

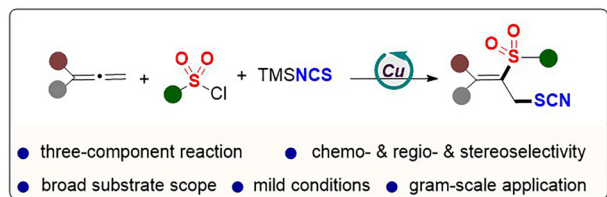
9016



Hierarchical dual-protection design in anti-chloride GO/Co₃O₄/Co_xTi₄O₉/TF for enhanced seawater oxidation electrocatalysis

Weidong He, Zhicheng Yuan, Pengzhe Zhao, Ruiyu Pan, Junhao Zhang,* Qianqian Fan, Zhongyao Duan, Xiangjun Zheng, Fu Cao* and Xingmei Guo*

9021



Copper-catalyzed three-component thiocyanosulfonylation of allenes

Kang Guo,* Qiong Wu,* Yuntao Chen, Anzhe Sun and Luxin Fu

CORRECTION

9025

Correction: Highly stable bidentate thiol-protected Ag₅Cu₄ nanoclusters: a stable catalyst for enhanced Knoevenagel condensation

Yan Nong, Juefei Dai, Chao Yang,* Haifeng Su, Chengcheng Feng, Chuanhua Shi, Zhixun Zhang, Xianyong Yu, Xueji Zhang* and Huayan Yang*

