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IN THIS ISSUE

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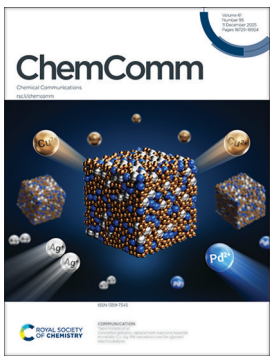
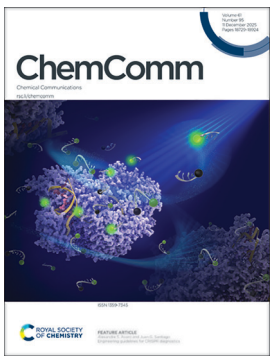
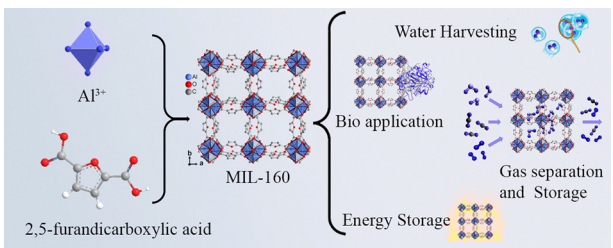


Cover
See Yaovi Holade *et al.*, pp. 18798–18801. Image reproduced by permission of Yaovi Holade from *Chem. Commun.*, 2025, **61**, 18798.

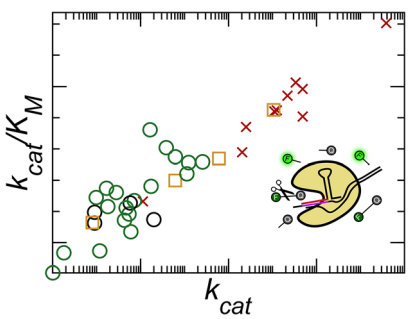


Inside cover
See Alexandre S. Avaro and Juan G. Santiago, pp. 18756–18772. Image reproduced by permission of Alexandre S. Avaro and Juan G. Santiago from *Chem. Commun.*, 2025, **61**, 18756.

HIGHLIGHT



FEATURE ARTICLES



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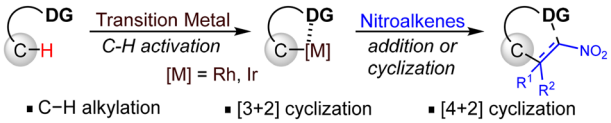

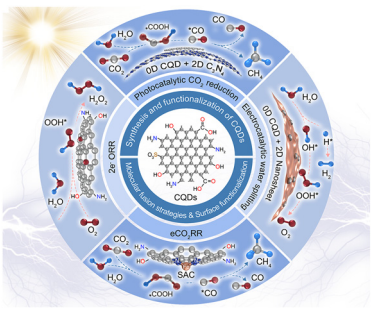

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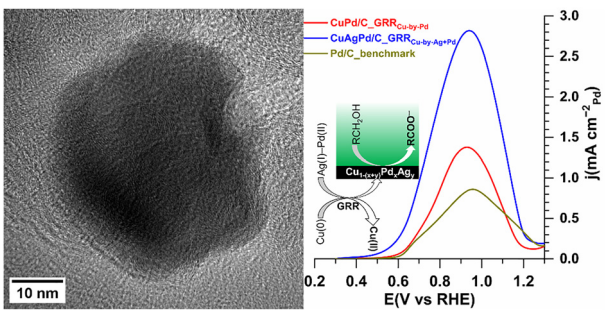

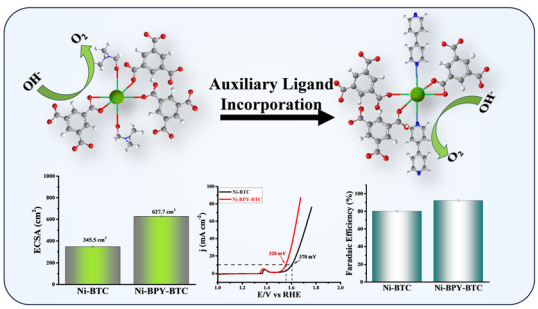

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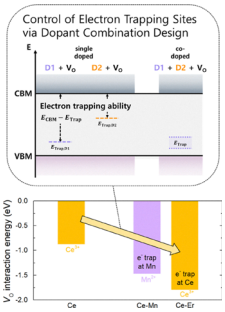
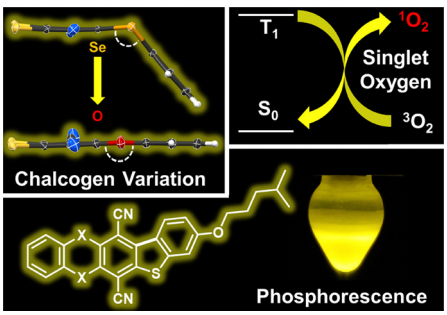


DFT-guided additive design for $BaTiO_3$-based MLCCs exhibiting excellent insulation reliability

Gi Joo Bang,* Hyo-Ki Hong, Seong Hun Kim, Juhun Park, Kang-Sahn Kim and Giwoong Ha*

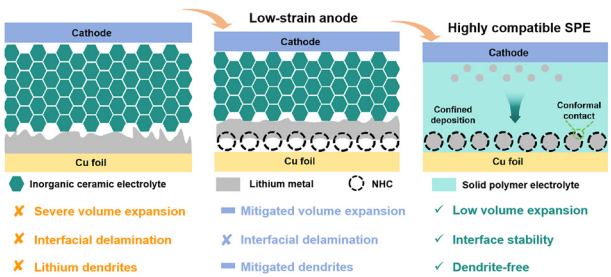
18810



Tuneable phosphorescence and singlet oxygen production of bridged ethers *via* chalcogen variation and photocyclisation

Marco Schmiedtchen, Sidharth Thulaseedharan Nair Sailaja, Rick Y. Lorberg, Christoph Wölper, Anzhela Galstyan and Jens Voskuhl*

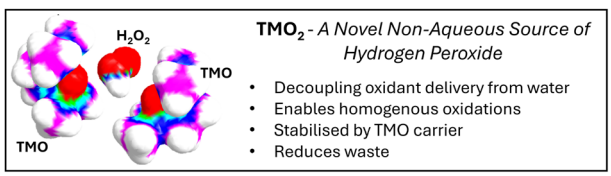
18814



Stabilizing the anodic interface for solid-state lithium metal batteries by combining a low-strain lithium/carbon anode with a polymer electrolyte

Junquan Lai, Yuting Hu, Fan Yang, Bo Hong,* Mengran Wang,* Rui Tan and Jie Li

18818



TMO_2 – a novel non-aqueous source of hydrogen peroxide

Fergal P. Byrne, James H. Clark,* James Comerford,* Preshendren Govender and Francesca Miglioli

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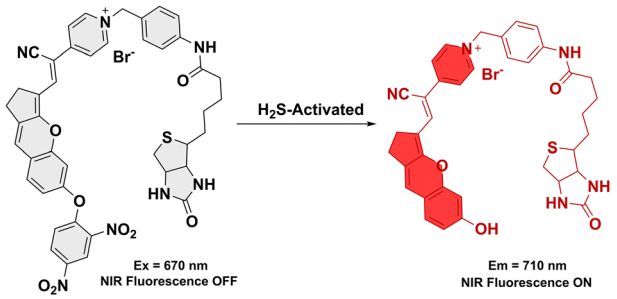

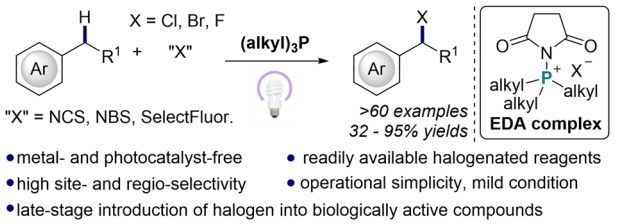

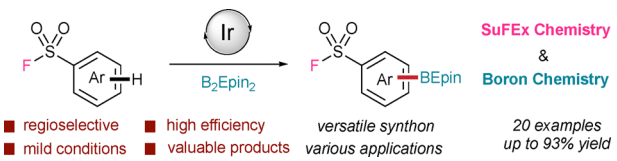

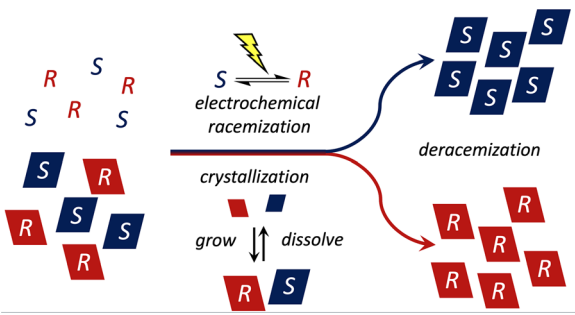

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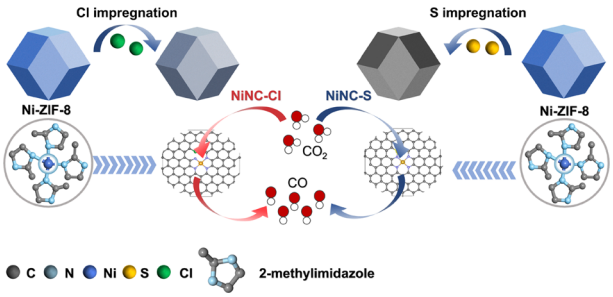

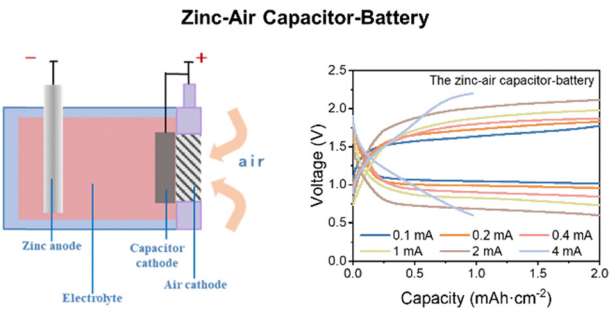

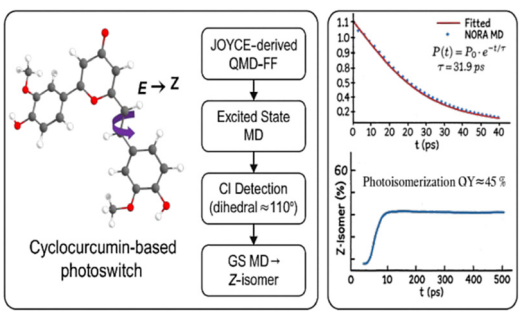

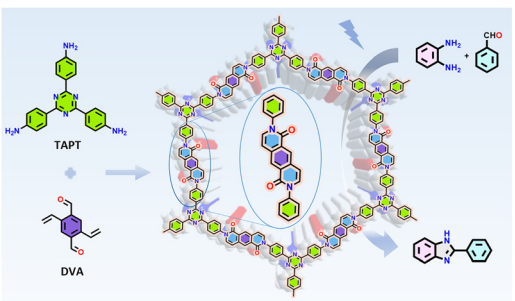

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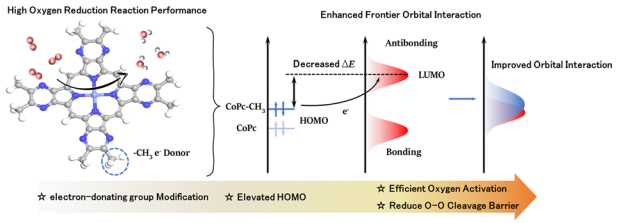
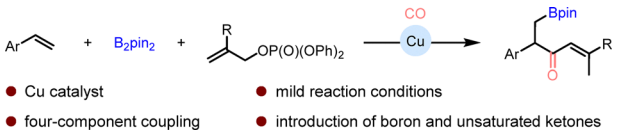


Frontier orbital tailoring promotes electron transfer for accelerated oxygen activation in cobalt azaphthalocyanine

Shilong Song, Yuyu Guo,* Xuefei Zhou, Lei Yang, Jiajia Wei, Shaowei Yang* and Hepeng Zhang*

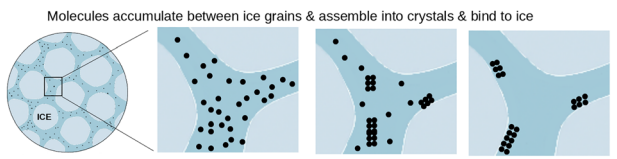
18874



Copper-catalyzed four-component borocarbonylative allylation of vinyl arenes to β-boryl enones

Sufang Shao and Xiao-Feng Wu*

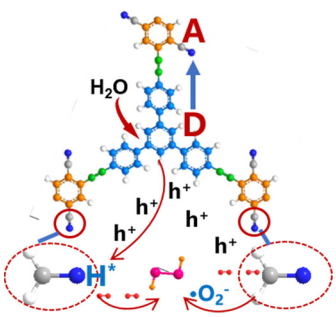
18878



Collective mechanism of ice recrystallization inhibition by small molecules

M. A. Orekhov

18882



Engineering spatially separated redox sites in donor–acceptor polymers for enhanced hydrogen peroxide photosynthesis

Qing Wang, Wenjiao Wang, Liping Guo,* Lijun Liao, Zhenzi Li, Xuepeng Wang* and Wei Zhou*

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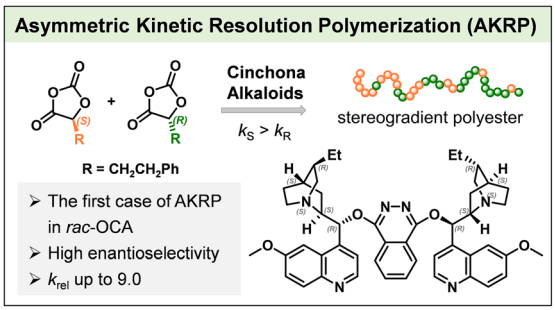

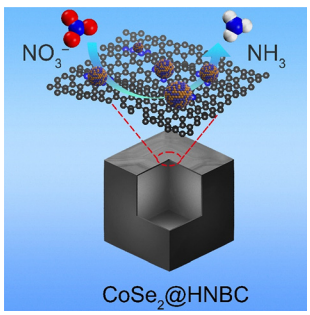

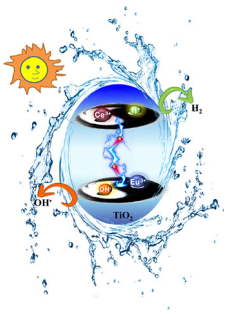

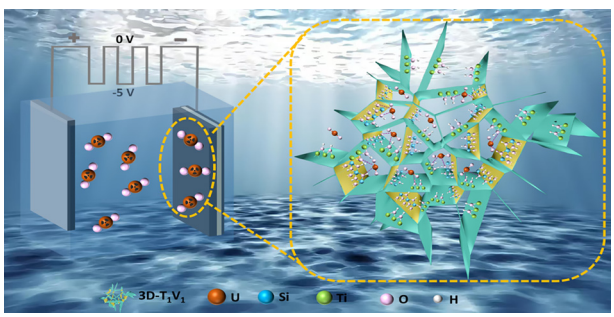

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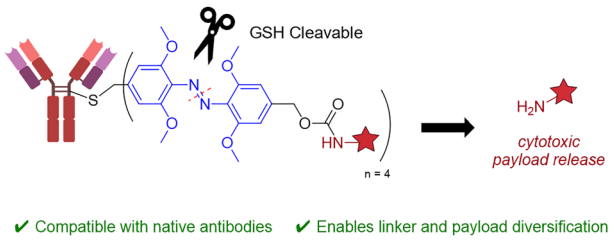
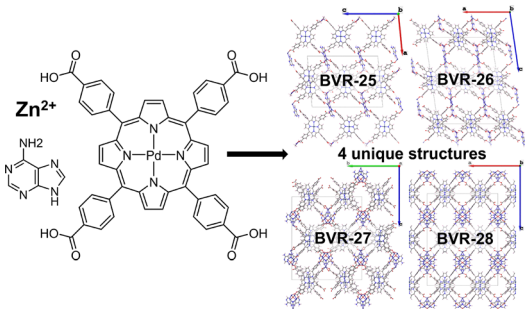


Towards a glutathione-cleavable azobenzene linker for antibody–drug conjugates

Mia Kapun, Roshan Patel, Mahri Park, F. Javier Pérez-Areales, Kristina A. Kostadinova, Thomas Wharton, Jason S. Carroll and David R. Spring*

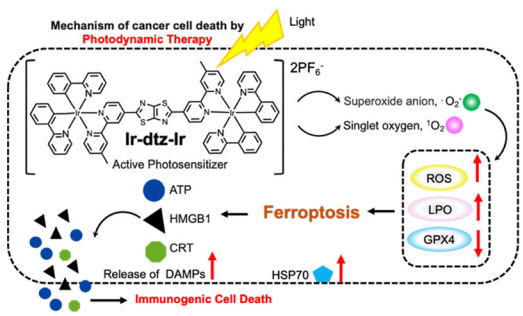
18906



Stacked, twisted, and porous: structural diversity in photoactive porphyrin-based metal–organic frameworks

Mitchell S. Kenny, Andrzej Gładysiak, Jacob M. Lessard, Dylan Pyle and Kyriakos C. Stylianou*

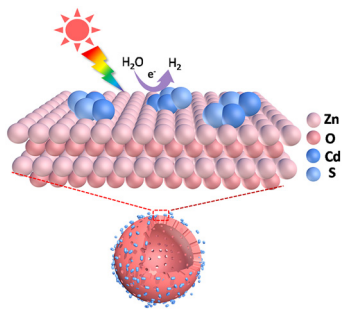
18910



A thiazolo[5,4-*d*]thiazole-bridged dinuclear iridium(III) photosensitizer induces ferroptosis for boosting photoimmunotherapy against hypoxic melanoma

Hui Jiang, Qiaoshan Lie, Fa Wang, Jiahao Zeng, Jinrong Yang, Jinzhe Liang* and Hui Chao*

18914



Combining a hollow spherical structure and heterojunction promotes sustainable ZnO/CdS photocatalytic hydrogen production

Yong Xie, Sai Zhang, Xiang Liu,* Teng Wang, Haozhe Huang, Juanrong Chen and Shunsheng Cao*

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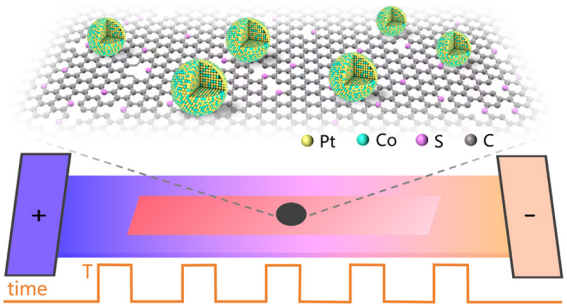

CORRECTION