# ChemComm

Chemical Communications

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## IN THIS ISSUE

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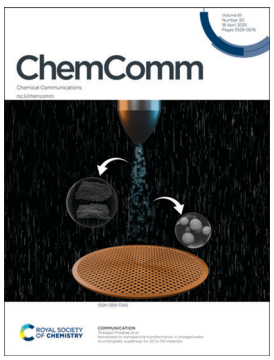
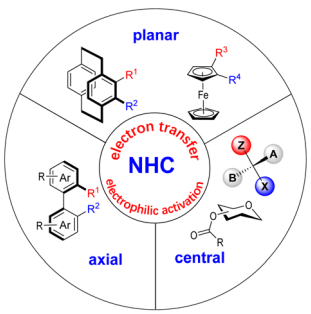


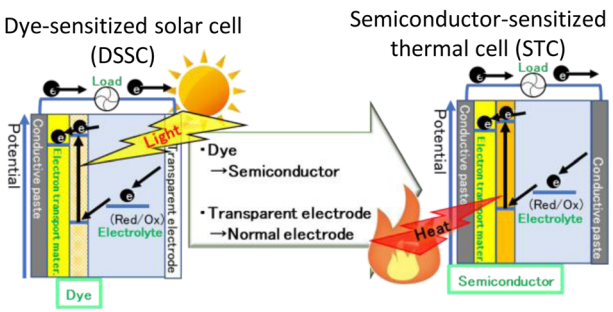

**Cover**
See Thalappil Pradeep *et al.*, pp. 5577–5580. Image reproduced by permission of Thalappil Pradeep from *Chem. Commun.*, 2025, **61**, 5577.

## FEATURE ARTICLES







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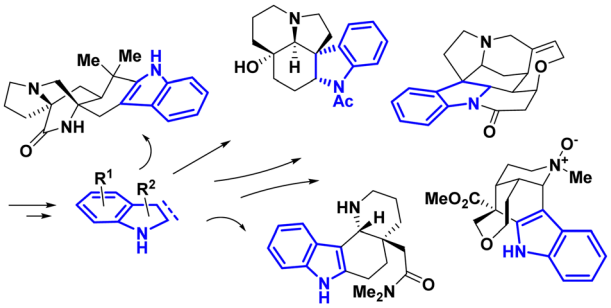

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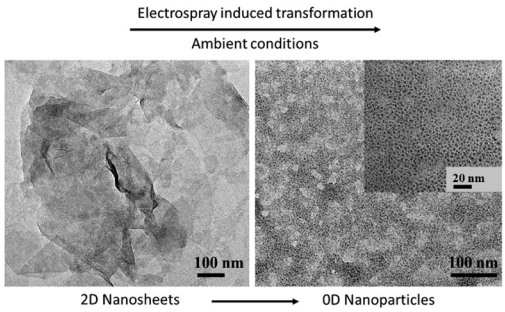




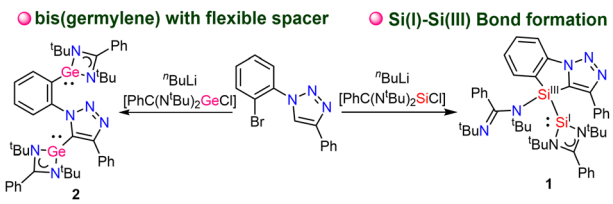




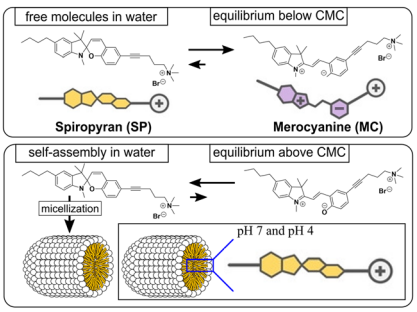

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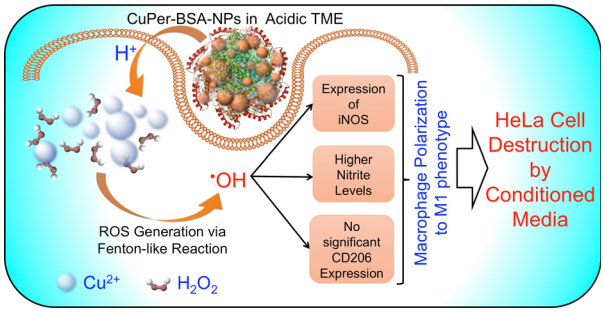




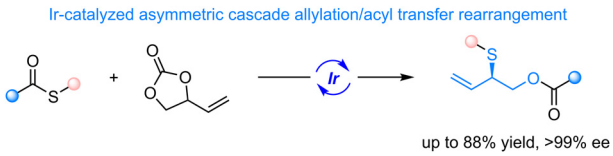




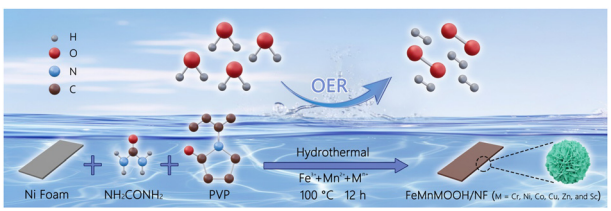




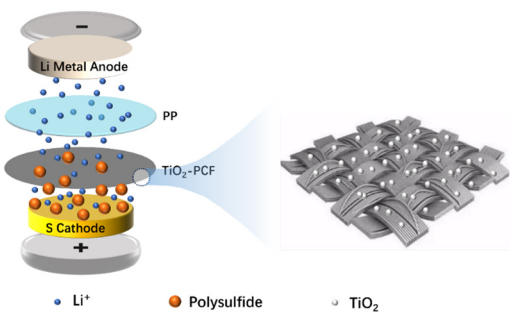

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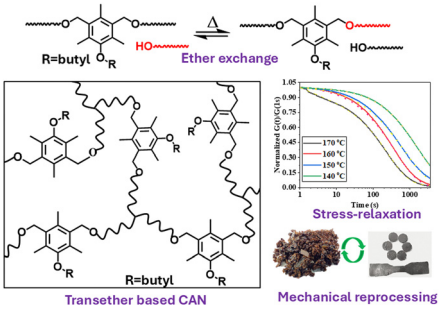
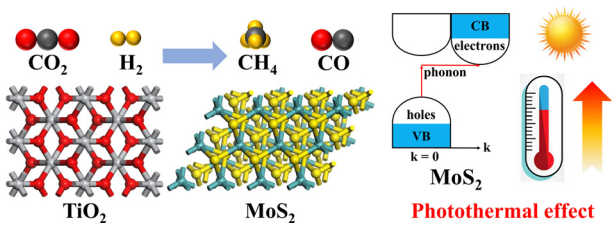



### Benzyl ether: a dynamic covalent motif for designing a trans-ether based covalent adaptable network (CAN)

Pawan Kumar, Vatsalya Gupta, Soumabrata Majumdar, Rahul Patwal, Debabrota Das, Prabin Kumar Ashish and Ramkrishna Sarkar*

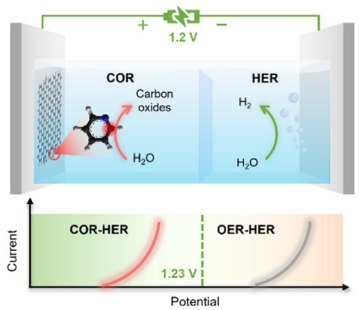
5625




### 2D/3D $MoS_2/TiO_2$ heterojunction for high-efficiency photothermal catalytic $CO_2$ reduction by phonon heat transfer

Peng Jiang,* Xiangyang Jiang* and Yang Yu*

5629




### An efficient metal-free carbon catalyst boosting hydrogen production below the 1.23 V water electrolytic boundary

Xu Yang, Wei Guo, Yan Wan, Jinli Liu, Mo Zhang* and Yangming Lin*

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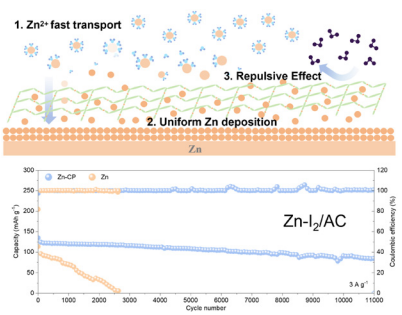


### Enabling rapid $Zn^{2+}$ ion diffusion and anionic repulsion toward high-performance aqueous zinc-ion batteries

Zuyang Hu, Xueru Yang, Zixin Han, Haoxin Liu, Xiaolong Jiang, Xiaoqing Liu, Ho Seok Park,* Zhipeng Wen* and Cheng Chao Li*

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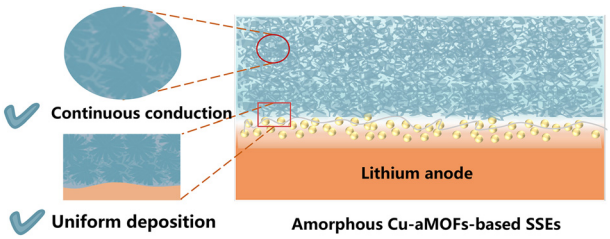




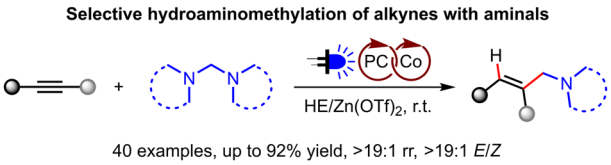




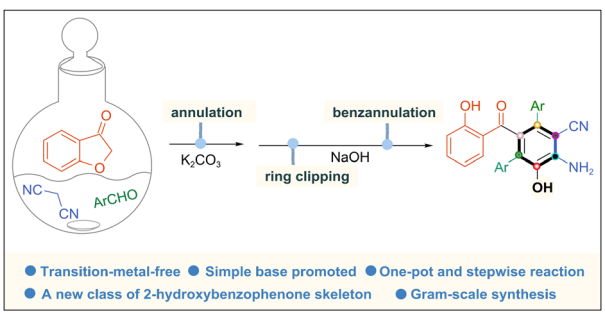




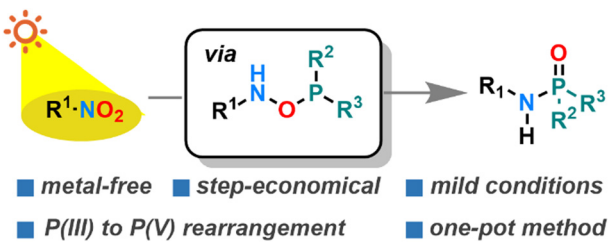

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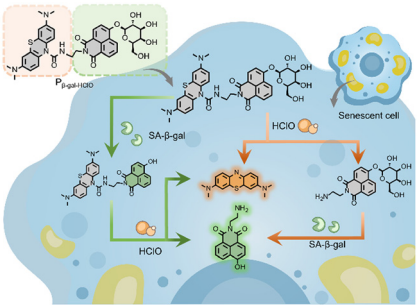


## CORRECTION