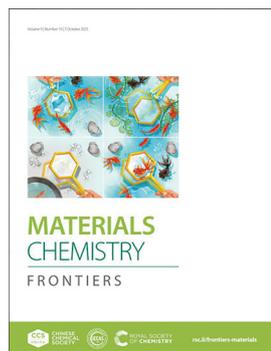


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#### Cover

See Gaku Fukuhara, Yusuke Ishigaki *et al.*, pp. 2863–2870. Image reproduced by permission of Yusuke Ishigaki from *Mater. Chem. Front.*, 2025, 9, 2863.

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#### Contributors to the *Materials Chemistry Frontiers* Emerging Investigator Series 2024

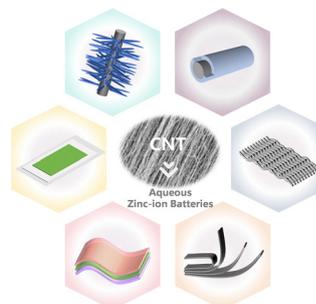


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#### CNT-based electrodes for flexible aqueous zinc-ion batteries: progress and opportunities

Tao Sun, Jiaxu Yang, Fangyuan Kang, Wenyong Zhang, Jianing Hui, Xu Li and Qichun Zhang\*



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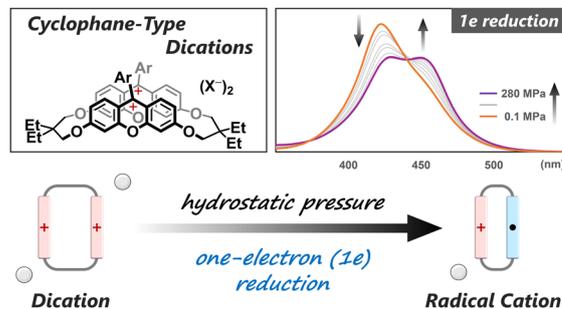
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## RESEARCH ARTICLES

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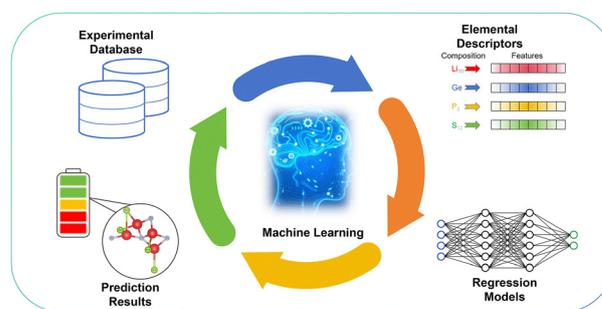
## A redox reaction triggered by hydrostatic pressure in dicationic cyclophanes

Moto Kikuchi, Tomoya Kuwabara, Gaku Fukuhara,\*  
Takanori Suzuki and Yusuke Ishigaki\*

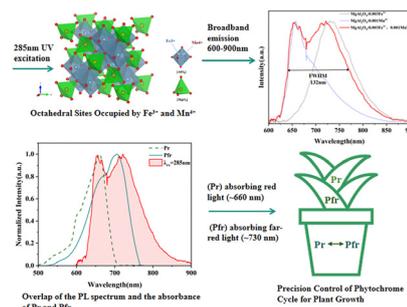
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Jiayao Yu, Lujie Jin, Yujin Ji\* and Youyong Li\*

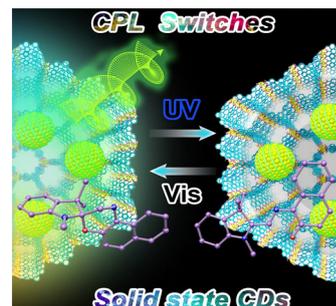


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Broadband far-red/near-infrared emission of Fe<sup>3+</sup> and Mn<sup>4+</sup> co-doped MgAl<sub>2</sub>O<sub>4</sub> phosphors for plant lightingChenyang Huang, Yuting Chen, Fugen Wu,\* Qi Zhang,  
Yun Teng, Xin Zhang, Huafeng Dong, Xiaozhu Xie and  
Zhongfei Mu\*

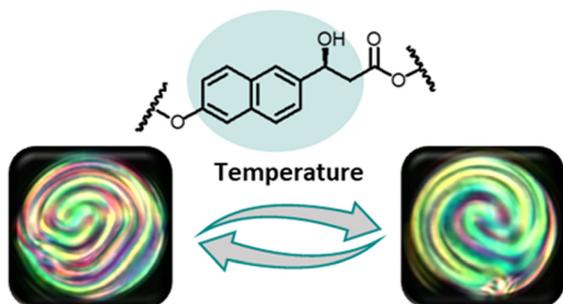
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## Multi-responsive CPL switches of carbon dots confined in chiral metal-organic frameworks

Guan-Di Wang, Xue-Yan Wang, Peng Luo,  
Xi-Yan Dong\* and Chong Zhang\*

## RESEARCH ARTICLES

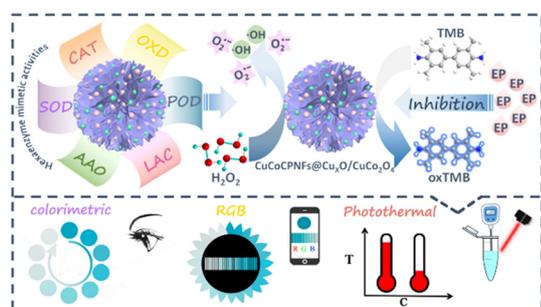
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Antonija Ožegović, Aleksandra Šimanović, Irena Dokli, Patrick Davidson, Ivan Dozov, Jurica Novak, Anamarija Knežević and Andreja Lesac\*

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Lihua Zhi,\* Liwei Jiao, Min Li and Mingming Zhang

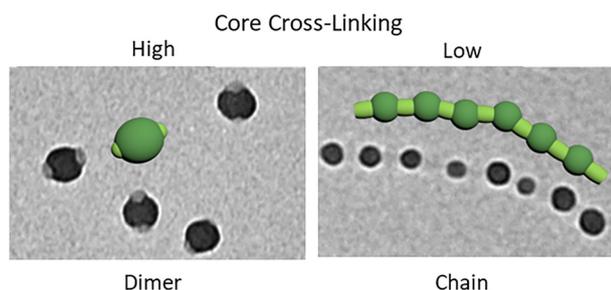
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Subin Kim, Donghwi Kang, Jaekyun Ahn, Saero Kim, Jaemin Kim, Gwangya Park and Byeong-Hyeok Sohn\*



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## Surface and grain boundary passivation using tetraphenylethylene derivative for high-performance perovskite solar cell

Shubhangi Bhardwaj, Praveen Naik, Anuj Kumar Palariya, Smrutiranjana Panda, Satish Patil\* and Sushobhan Avasthi\*

