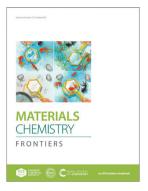
## **MATERIALS** CHEMISTRY

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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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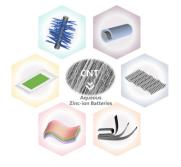


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CNT-based electrodes for flexible aqueous zinc-ion batteries: progress and opportunities

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





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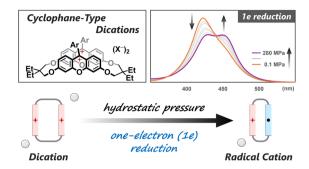


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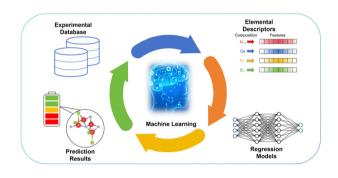
Moto Kikuchi, Tomoya Kuwabara, Gaku Fukuhara,\* Takanori Suzuki and Yusuke Ishigaki\*



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## Data-driven composition-only machine learning for high-performance solid-state electrolytes

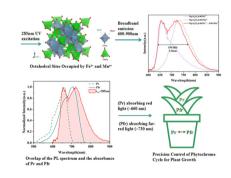
Jiayao Yu, Lujie Jin, Yujin Ji\* and Youyong Li\*



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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 lighting

Chenyang Huang, Yuting Chen, Fugen Wu,\* Qi Zhang, Yun Teng, Xin Zhang, Huafeng Dong, Xiaozhu Xie and Zhongfei Mu\*



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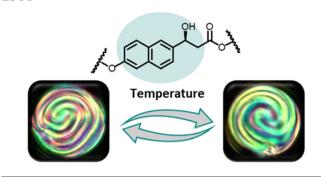
## Multi-responsive CPL switches of carbon dots confined in chiral metal-organic frameworks

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



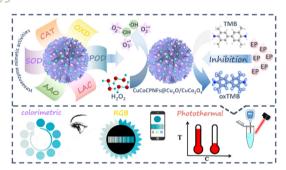
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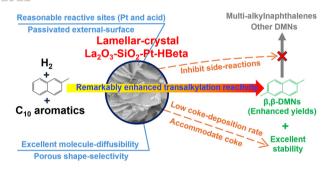
Antonija Ožegović, Aleksandra Šimanović, Irena Dokli, Patrick Davidson, Ivan Dozov, Jurica Novak, Anamarija Knežević and Andreja Lesac\*



Six-in-one nanozyme: constructing a triple-mode point-of-care platform for epinephrine detection with exceptional sensitivity and precision

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

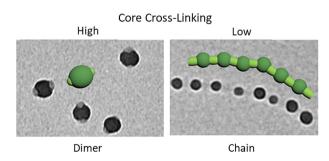
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Hao Zhou, Qihao Yang, Jiahao Wang, Ziliang Liao, Lei Li, Jingcheng Xu, Junhui Li\* and Zhirong Zhu

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