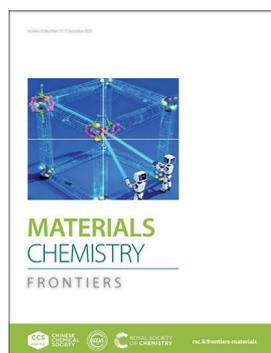


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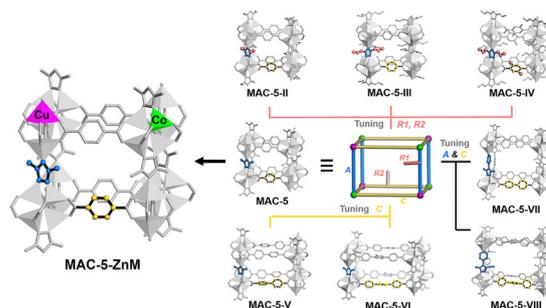
See Yun Ling, Zhenxia Chen *et al.*, pp. 3373–3380. Image reproduced by permission of Zhenxia Chen from *Mater. Chem. Front.*, 2025, 9, 3373.

### CHEMISTRY FRONTIERS

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#### Reticular synthesis of a pcu-b framework: digital reticular chemistry for anisotropic modulation and multicomponent integration

Xiaoming Lv, Yichen Yao, Jiaying Zhu, Yun Ling,\* Yaming Zhou and Zhenxia Chen\*

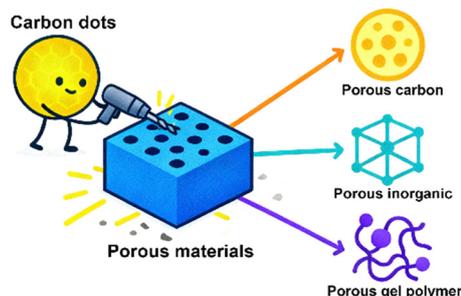


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#### Porous materials fabricated using carbon dots

Haowen Sun, Xirong Zhang, Baojuan Wang, Tianle He and Huanming Xiong\*



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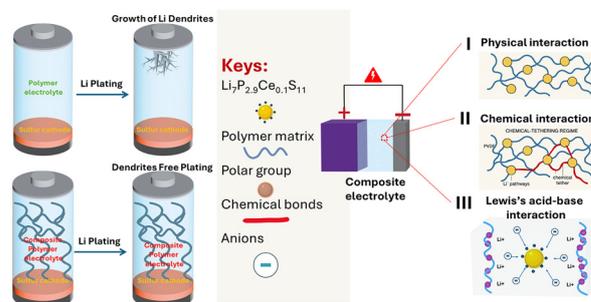


## RESEARCH ARTICLES

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## A dendrite-free Li-S battery with a cerium-doped sulfide glass-ceramic composite electrolyte

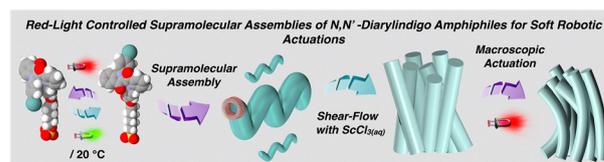
Amirhossein Mirtaleb and Ruigang Wang\*



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Red-light controlled supramolecular assemblies of *N,N'*-diarylidigo amphiphiles for soft robotic actuations

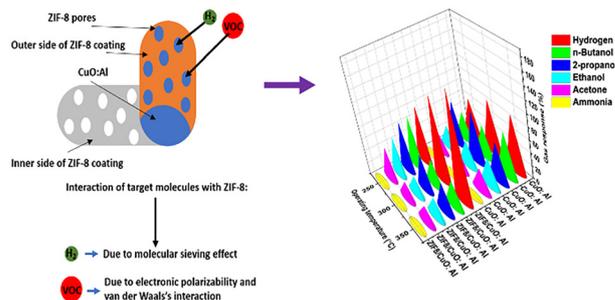
Jerry Chun-Kit Yau, Chris Yanzhi Chen, Haiqi Zhang, Ming-Hin Chau, Takashi Kajitani and Franco King-Chi Leung\*



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Humidity-tolerant selective sensing of hydrogen and *n*-butanol using ZIF-8 coated CuO:Al film

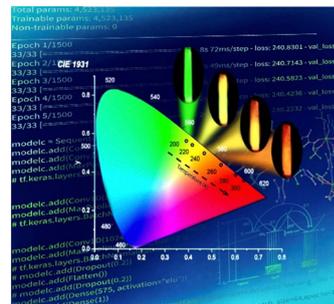
Rajat Nagpal, Masaya Sugihara, Nicolae Magariu, Tim Tjardts, Nahomy Meling-Lizarde, Thomas Strunskus, Tayebeh Ameri,\* Rob Ameloot, Rainer Adelung and Oleg Lupan\*



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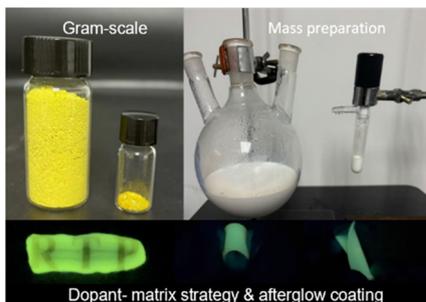
Combining materials design and deep learning: AI-enhanced luminescence thermometry with a novel  $\text{Eu}^{3+}/\text{Tb}^{3+}$  polymeric coordination compound

Trofim A. Polikovskiy,\* Victoria E. Gontcharenko, Vladislav M. Korshunov, Mikhail T. Metlin, Darya A. Metlina, Sergey V. Samsonov, Yury A. Belousov, Carlos D. S. Brites, Luis D. Carlos and Ilya V. Taydakov\*



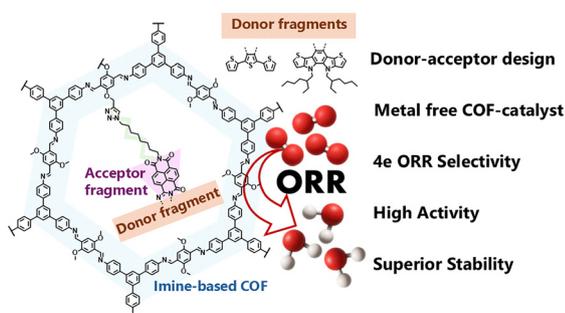
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Organic afterglow coating materials *via* emulsion polymerization

Boyi Fu, Yuanyuan Chen, Qianqian Yan, Tengyue Wang, Xixi Piao and Kaka Zhang\*

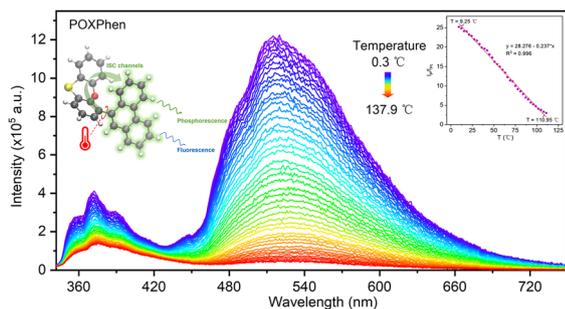
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## Post-synthetic engineering of covalent organic frameworks with thiophene and naphthalimide units for enhanced oxygen reduction electrocatalysis

Elena Gala, Emiliano Martínez-Periñán,\* Marcos Martínez-Fernández, Marta Gordo-Lozano, José I. Martínez and José L. Segura\*

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## Simultaneous fluorescence-phosphorescence dual-emission based on phenoxathiin and polycyclic aromatic hydrocarbons towards temperature sensing

Yuling Huang, Huiwen Zeng, Yu Lang, Cong Liu, Zixuan Ran, Fayong Li, Jiadong Zhou,\* Bingjia Xu\* and Guang Shi\*

