

# Chemical Science

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ISSN 2041-6539 CODEN CSHCBM 15(8) 2671–3034 (2024)



**Cover**  
See Otto Dopfer, Shun-ichi Ishiuchi, Masaaki Fujii *et al.*, pp. 2725–2730. Image reproduced by permission of Masaaki Fujii from *Chem. Sci.*, 2024, **15**, 2725.



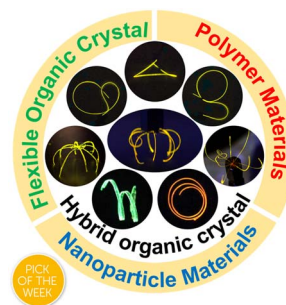
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See Jeremiah J. Gassensmith *et al.*, pp. 2731–2744. Image reproduced by permission of Ryanne Ehrman from *Chem. Sci.*, 2024, **15**, 2731.

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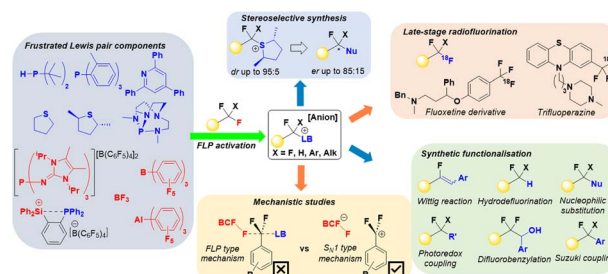
Fundamental questions  
Elemental answers

## PERSPECTIVES

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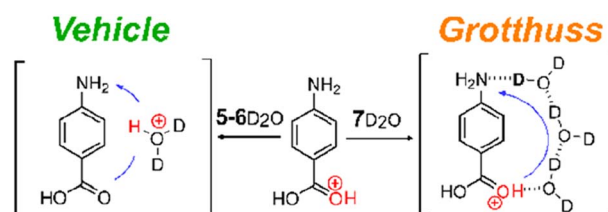
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Kenneth Lye and Rowan D. Young\*



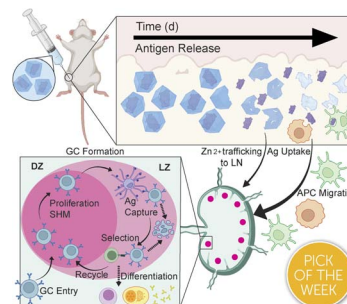
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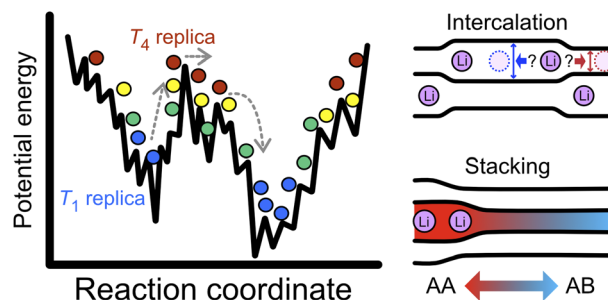
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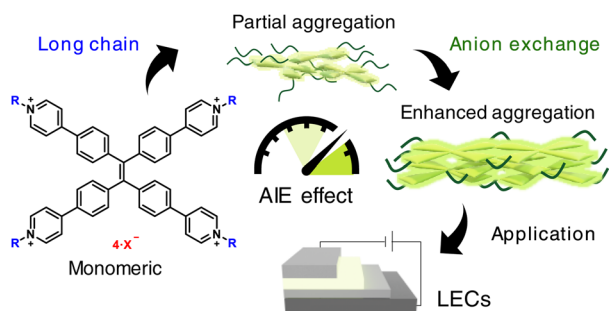
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Heesoo Park,\* David S. Wragg and Alexey Y. Kuposov\*



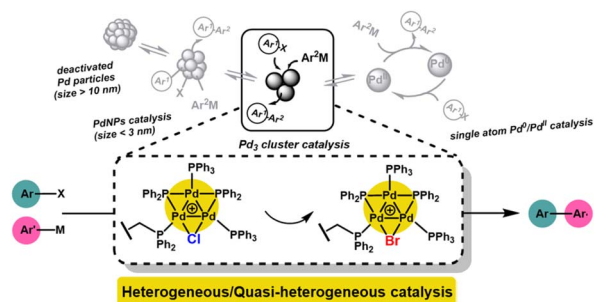
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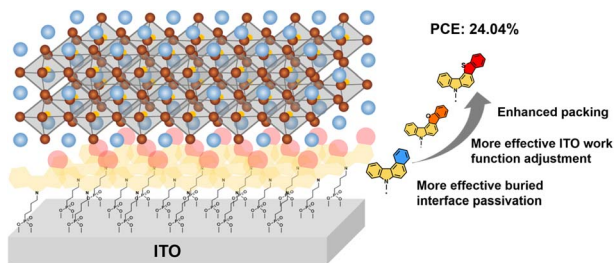
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Neda Jeddi, Neil W. J. Scott, Theo Tanner, Simon K. Beaumont\* and Ian J. S. Fairlamb\*

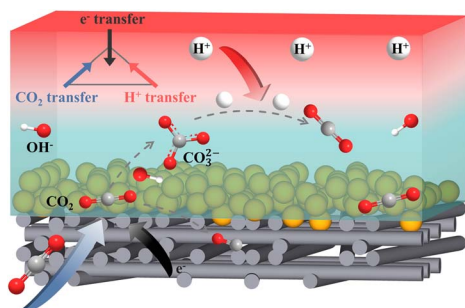
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Wenlin Jiang, Ming Liu, Yanxun Li, Francis R. Lin and Alex K.-Y. Jen\*

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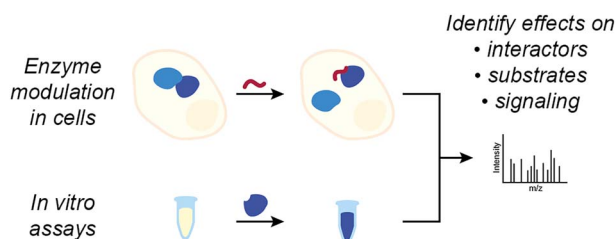
Zhongshuo Zhang, Qian Lu, Jiping Sun, Guangchao Li, Weixing Wu, Zhanyou Xu, Liangfang Xu and Ying Wang\*



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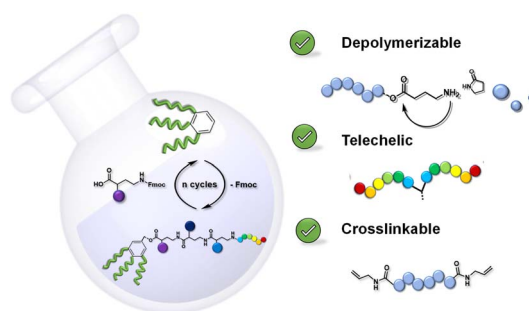
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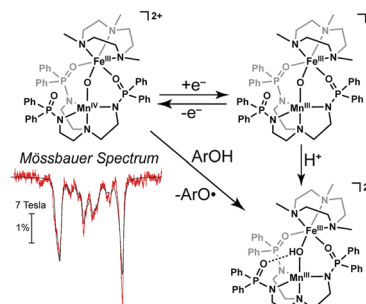
Irene De Franceschi, Nezha Badi\* and Filip E. Du Prez\*



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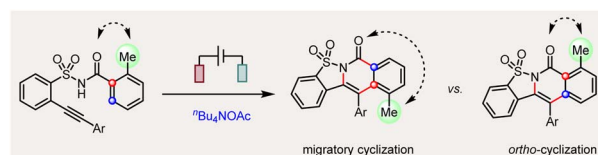
Justin L. Lee, Saborni Biswas, Joseph W. Ziller, Emile L. Bominaar, Michael P. Hendrich and A. S. Borovik\*



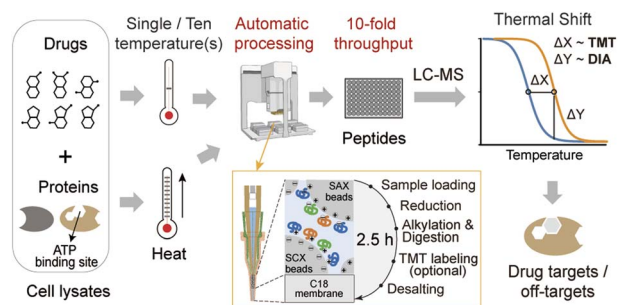
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Zhaojiang Shi, Shicheng Dong, Ting Liu, Wei-Zhen Wang, Nan Li, Yaofeng Yuan, Jun Zhu\* and Ke-Yin Ye\*



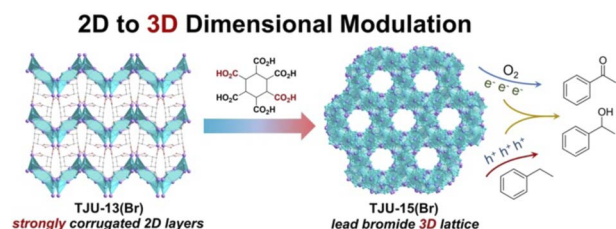
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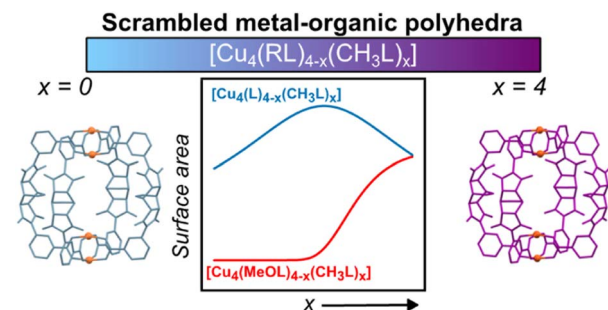
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### Promoting the formation of metal–carboxylate coordination to modulate the dimensionality of ultrastable lead halide hybrids

Yilin Jiang, Jinlin Yin, Ruonan Xi and Honghan Fei\*

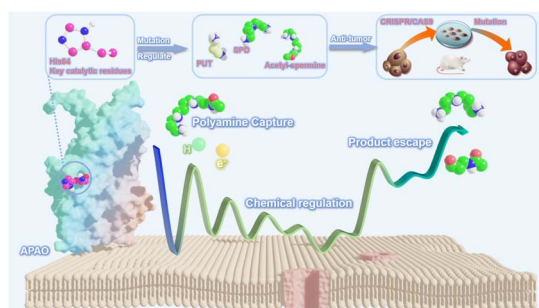
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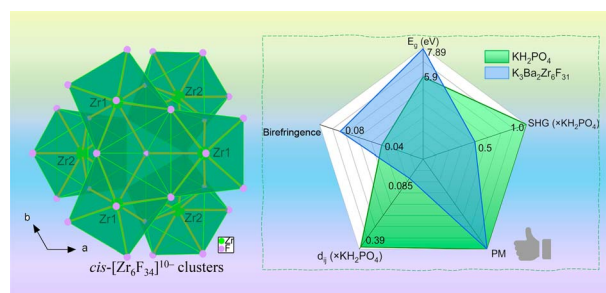
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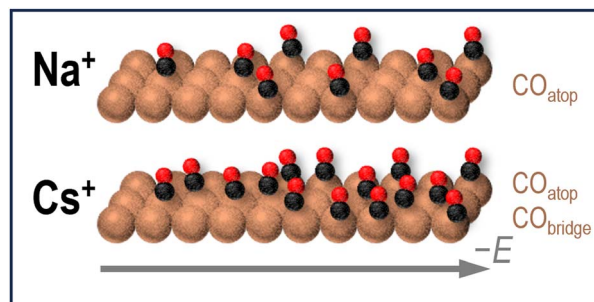
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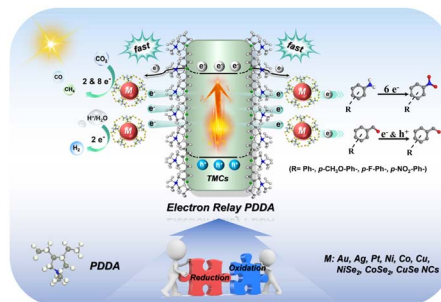
Liam C. Banerji, Hansaem Jang, Adrian M. Gardner and Alexander J. Cowan\*



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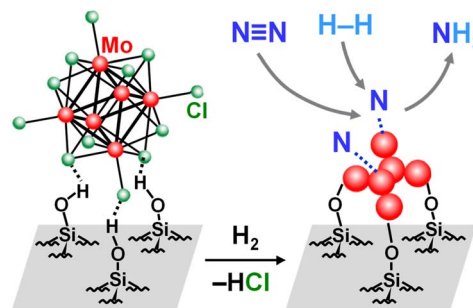
Xian Yan, Jun-Hao Dong, Jing-Ying Zheng, Yue Wu and Fang-Xing Xiao\*



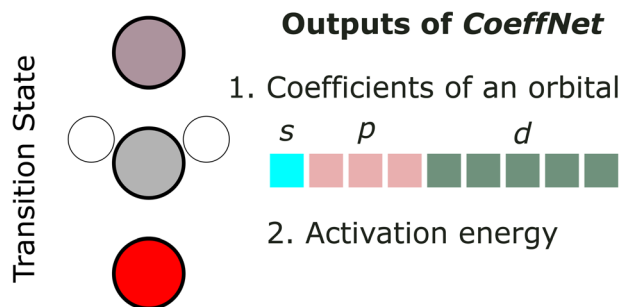
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Sudarshan Vijay, Maxwell C. Venetos, Evan Walter Clark Spotte-Smith, Aaron D. Kaplan, Mingjian Wen and Kristin A. Persson\*

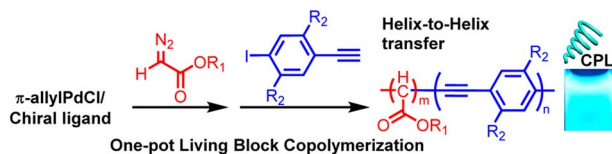
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Minqi Zhou, Jin-Xiu Ren, Xiao-Tian Feng, Hai-Yang Zhao, Xia-Ping Fu, Qiao-Qiao Min and Xingang Zhang\*

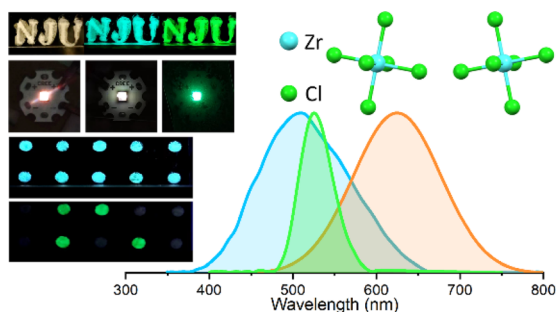
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Run-Tan Gao, Shi-Yi Li, Bing-Hao Liu, Zheng Chen, Na Liu,\* Li Zhou and Zong-Quan Wu\*

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Chuying Wang, Wen Meng, Guigen Luo, Guangyong Xu, Min Peng, Bin Xu, Shuming Nie and Zhengtao Deng\*

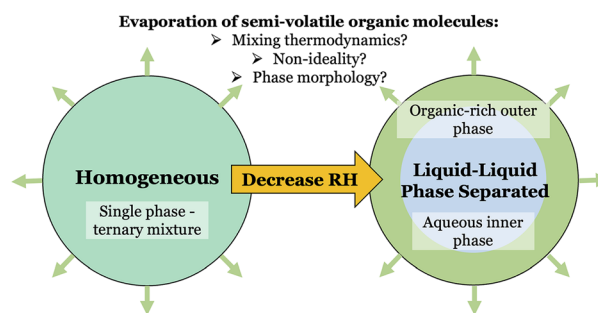




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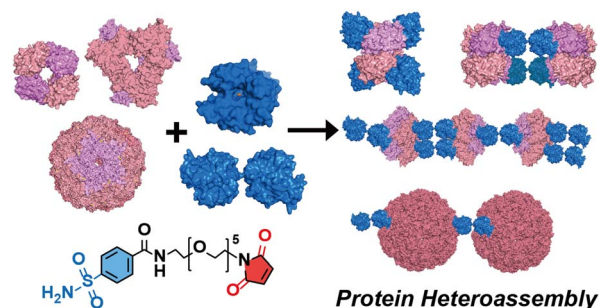
Jack M. Choczynski, Bilal Shokoor, Jorge Salazar, Andreas Zuend and James F. Davies\*



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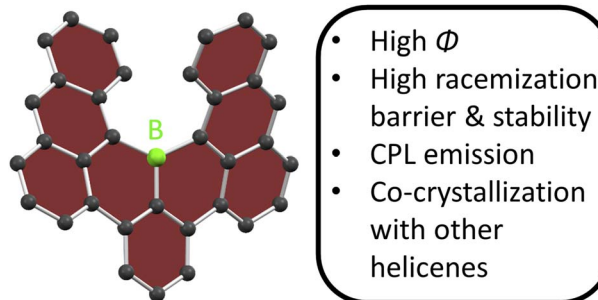
Soyeun Son and Woon Ju Song\*



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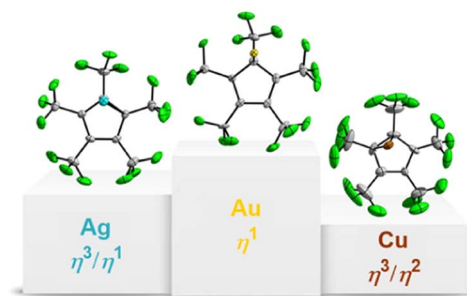
Matthias Schnitzlein, Kazutaka Shoyama and Frank Würthner\*



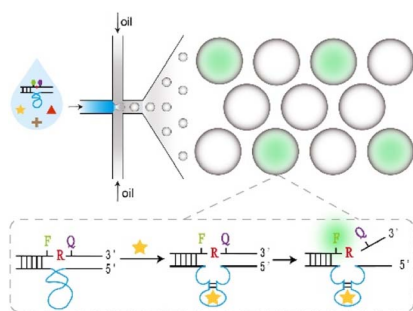
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### Synthesis and structural characterization of stable coinage metal (Cu, Ag, Au) cyclopentadienyl complexes

Robin Sievers, Marc Reimann, Nico G. Kub, Susanne M. Rupf, Martin Kaupp and Moritz Malischewski\*



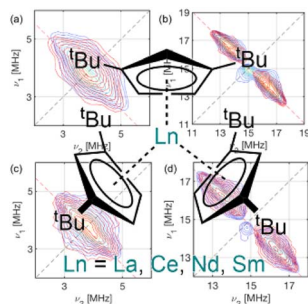
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### A DNAzymes-in-droplets assay for *Burkholderia gladioli pathovar cocovenenans* with single-bacterium sensitivity

Xiaoqian Li, Yangyang Chang, Yunping Wu and Meng Liu\*

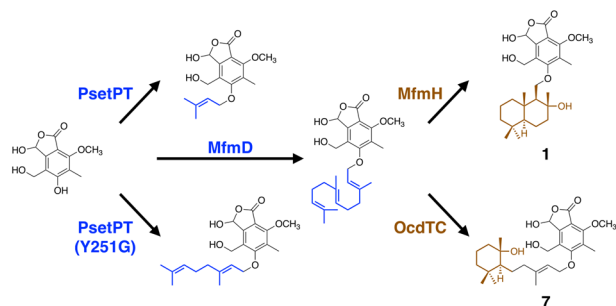
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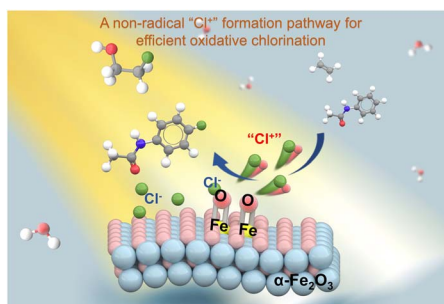
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Dexiu Yan and Yudai Matsuda\*

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Daojian Tang, Lei Wu, Liubo Li, Niankai Fu, Chuncheng Chen, Yuchao Zhang\* and Jincui Zhao



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Colin Hansen, Scott R. Docherty, Weicheng Cao, Alexander V. Yakimov and Christophe Copéret\*

