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IN THIS ISSUE

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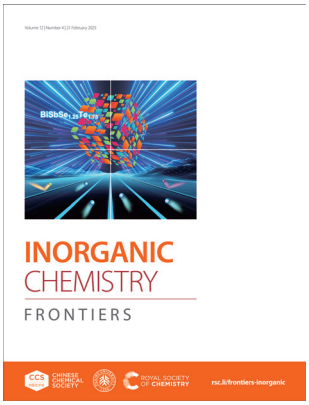

Cover
See Huijun Kang, Tongmin Wang *et al.*, pp. 1371–1382.

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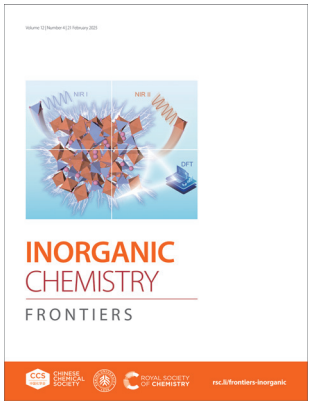

Inside cover
See Sha Jiang, Qiaoling Chen *et al.*, pp. 1383–1392.

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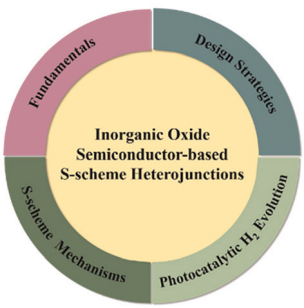
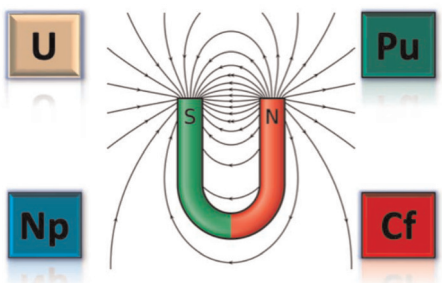
REVIEWS





EES Batteries

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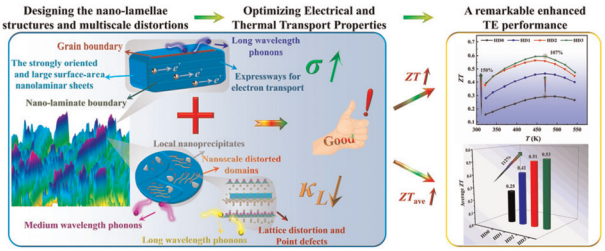

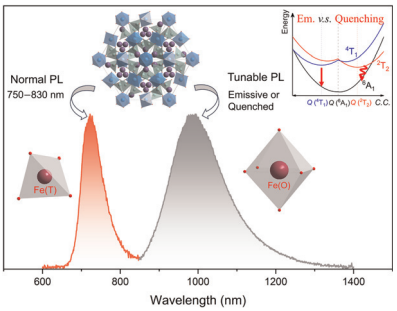

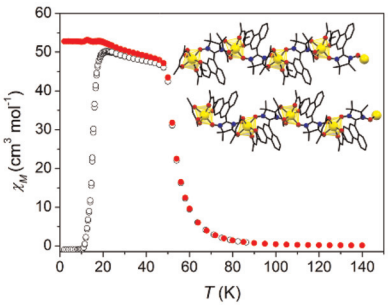

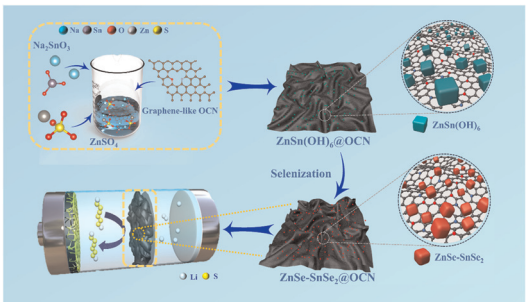

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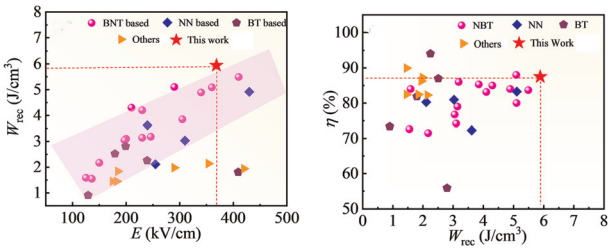

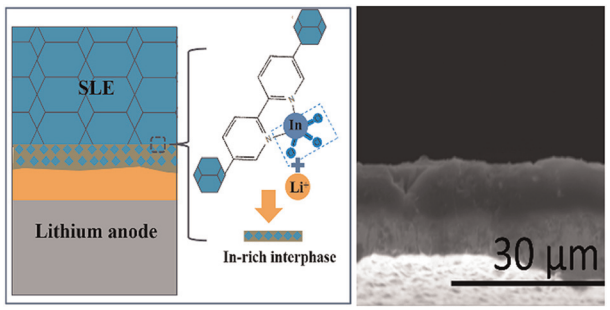

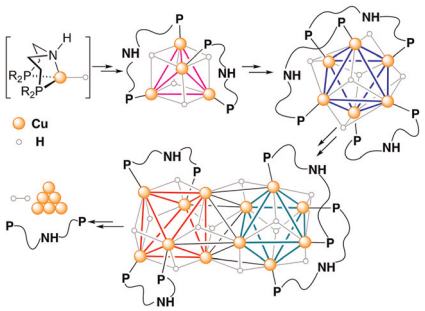

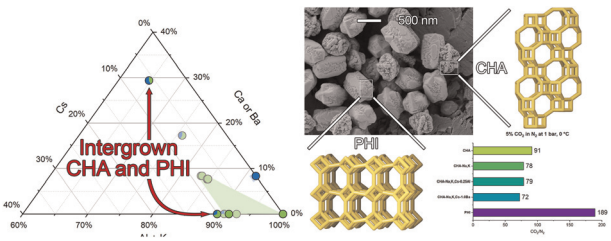

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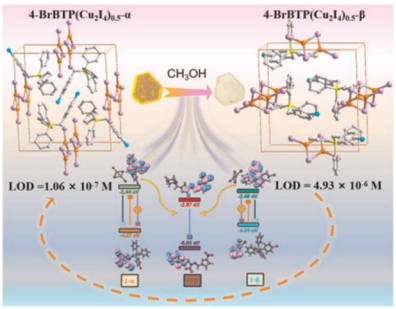

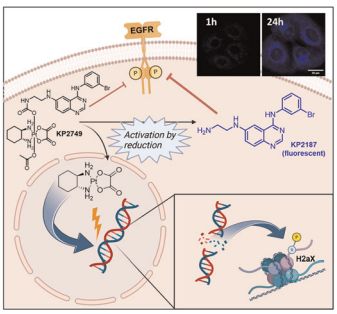

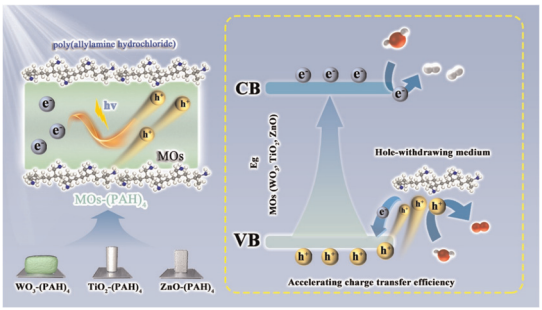

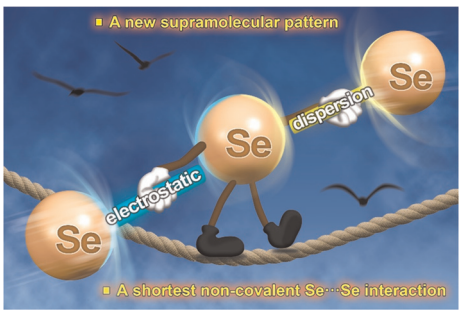

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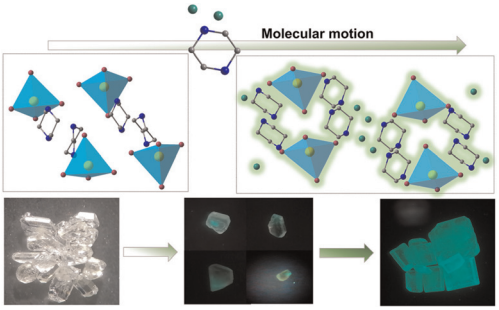
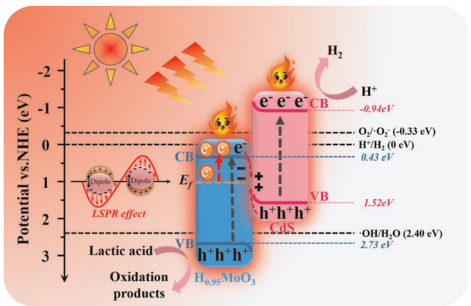


Solid state molecular motion in Cd-based halides monitored by photoluminescence switching

Jie-Ru Yang, Yingchen Peng, Huai-Yu Wu, Si-Yu Xu, Jiawei Lin, Xuexia Lu, Chuanhua Wu, Miao-Bin Xu, Xinghui Qi,* Ye Yang,* Jin Chen,* Xiao-Ying Huang and Ke-Zhao Du*

1679



Synergistic photothermal effects for enhanced hydrogen evolution of an S-scheme $CdS@H_{0.95}MoO_3$ photocatalyst: mechanistic insights and theoretical calculations

Qiankun Zhang, Haiou Liang,* Guanqiong Li, Xiaoye Fan, Chunping Li and Jie Bai*

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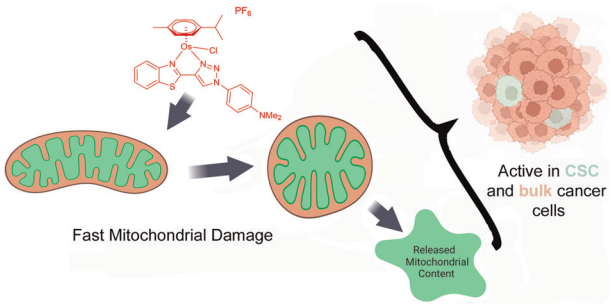
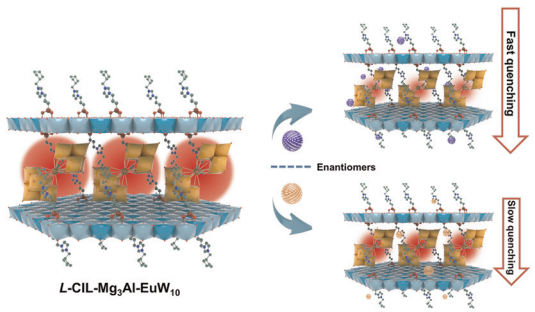


A novel benzothiazole-1,2,3-triazole-based arene osmium(II) complex as an effective rhabdomyosarcoma cancer stem cell agent

Sofia Sharkawy, Alba Hernández-García, Hana Kostrhunova, Delia Bautista, Lenka Markova, María Dolores Santana, Jana Kasparkova, Viktor Brabec* and José Ruiz*

1716



A two-dimensional confined polyoxometalate-based chiral luminescence sensor for highly enantioselective sensing

Guicong Hu, Zhaohui Wu, Ailin Cai, Xinzhu Xing, Wen Chang, Qinglong Qiao,* Bo Qi* and Yu-Fei Song*