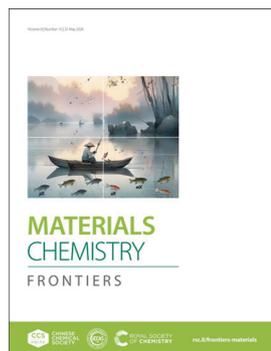


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Cover

See Mengbin Wang,
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PROFILE

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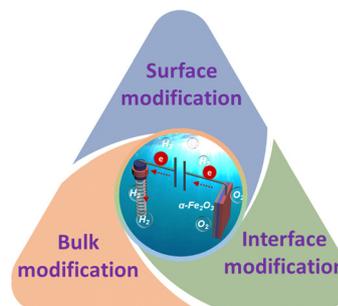


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Enhancing photocatalytic efficiency with hematite photoanodes: principles, properties, and strategies for surface, bulk, and interface charge transfer improvement

Bibhuti Kumar Jha, Sourav Chaule and Ji-Hyun Jang*



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Fundamental questions
Elemental answers

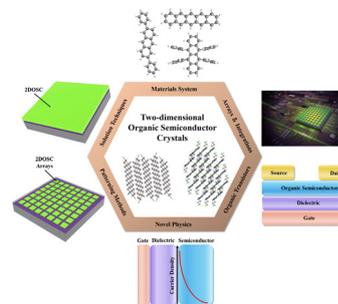


REVIEWS

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Novel solution-processed 2D organic semiconductor crystals for high-performance OFETs

Zheng Chen, Shuming Duan,* Xiaotao Zhang and Wenping Hu*

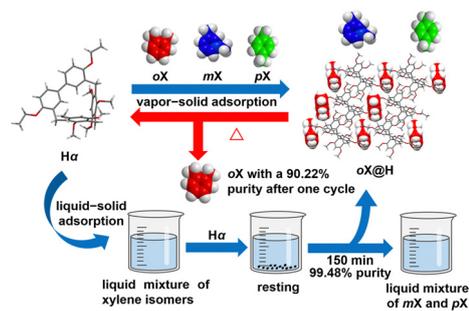


RESEARCH ARTICLES

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Efficient separation of xylene isomers by nonporous adaptive crystals of hybrid[3]arene in both vapor and liquid phases

Yuhao Wang, Zhenyu Wang, Shiqi Wei, Sha Wu, Mengbin Wang,* Guocan Yu,* Peng Chen, Xiaowei Liu* and Jiong Zhou*



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Nanosheet floral clusters of Fe-doped Co_3O_4 for high-performance supercapacitors

Congcong Lu, Yu Yang, Songjun Li and Maiyong Zhu*

