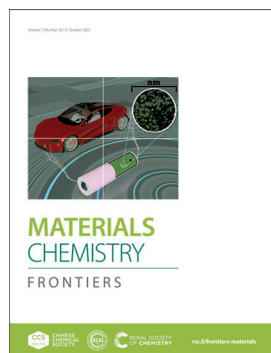


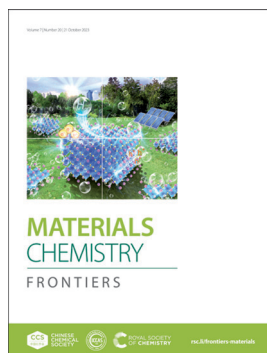
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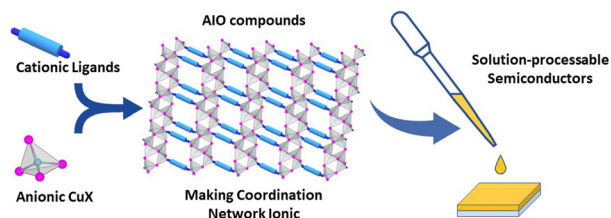
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#### Making coordination networks ionic: a unique strategy to achieve solution-processable hybrid semiconductors

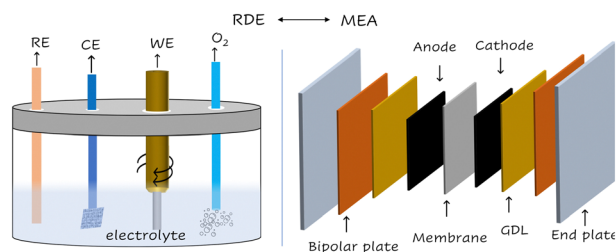
Xiuze Hei and Jing Li\*



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#### Bridging oxygen reduction performance gaps in half and full cells: challenges and perspectives

Shahid Zaman,\* Xinlong Tian\* and Bao Yu Xia\*



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Raaju Sundhar Arul Saravanan, Keyru Serbara Bejigo and Sang-Jae Kim\*

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Xing Wang, Yu Peng, Shuang Yang,\* Hua Gui Yang and Yu Hou\*

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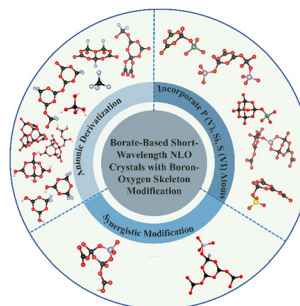
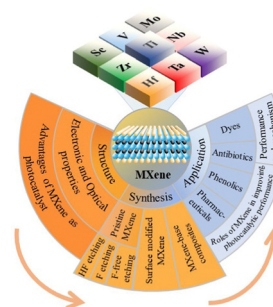
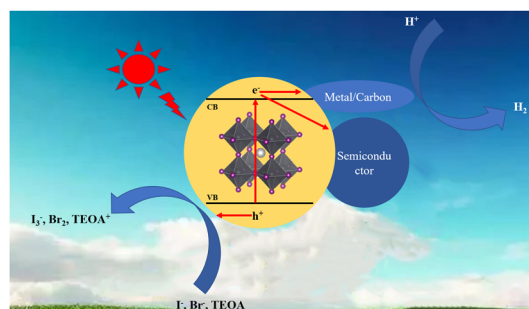
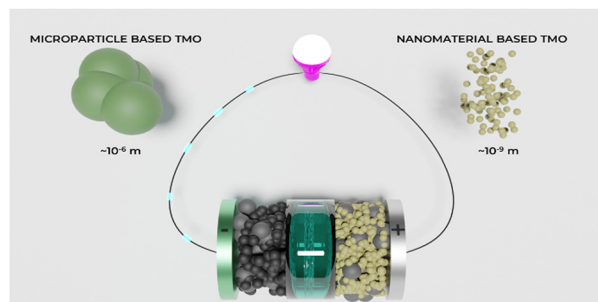
# Recent advances and perspectives of emerging two-dimensional transition metal carbide/nitride-based materials for organic pollutant photocatalysis

Zheng Jiang, Xinyue Zhang, Sisheng Guo, Yuqi Zheng,  
Jian Wang, Tao Wen\* and Xiangke Wang\*

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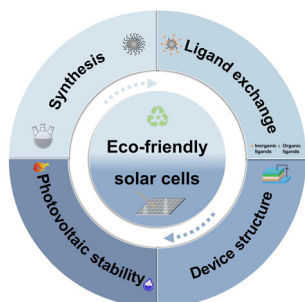
## Recent progress in borate-based short-wavelength nonlinear optical crystals with boron–oxygen skeleton modification

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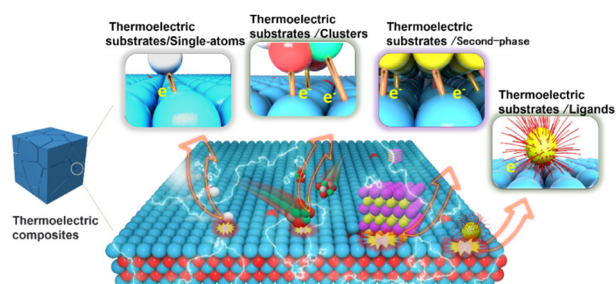
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### Eco-friendly and ultrathin solar cells featuring nanocrystals: advances and perspectives

Jingjing Wang, Junwei Liu,\* Hang Yin, Sunsun Li, Vakhobjon Kuvondikov and Long Ye\*

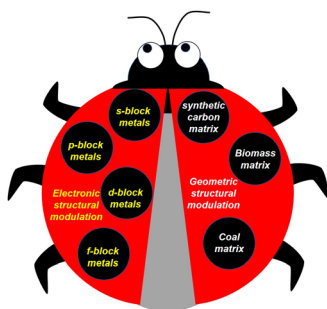
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### Recent advances in interface engineering of thermoelectric nanomaterials

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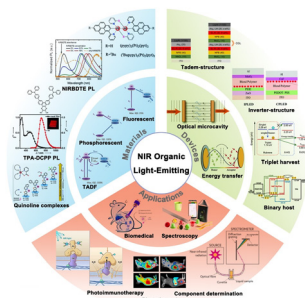
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### Electronic and geometric modulations of catalysts for electrochemical CO<sub>2</sub> reduction reaction

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### Near-infrared organic light-emitting materials, devices and applications

Mengxin Xu, Xinyi Li, Shihao Liu, Letian Zhang\* and Wenfa Xie\*

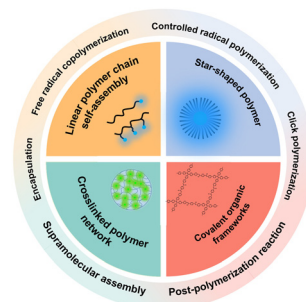


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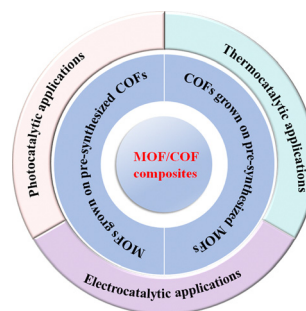
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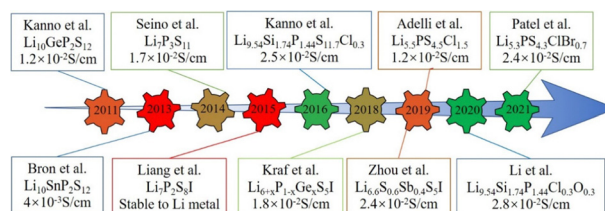
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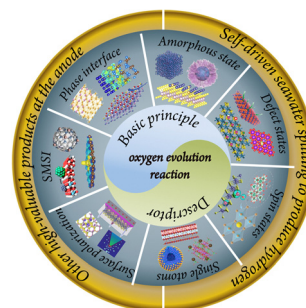
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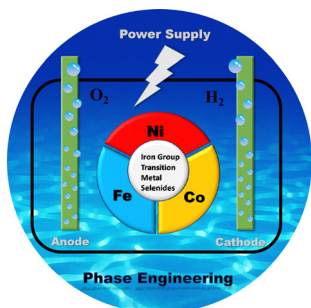
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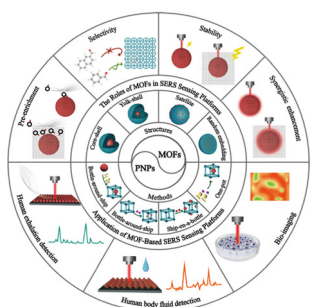
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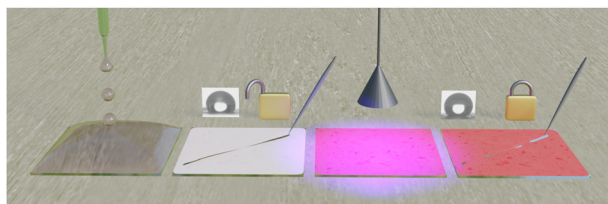
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### Ultrafine iridium nanoparticles prepared without a surfactant for the acidic oxygen evolution reaction

Anyang Chen, Mengting Deng, Zhiyi Lu, Yichao Lin\* and  
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Janos Wasternack, Tom White, Sebastian Müller and  
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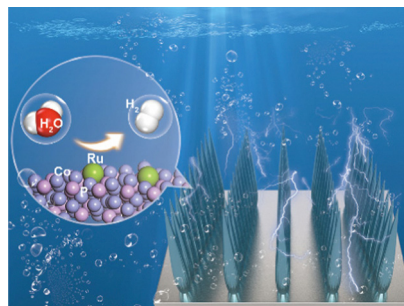


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**Optimizing strong metal–support interaction on cobalt phosphide-supported Ru single atom catalyst for highly-efficient hydrogen evolution reaction**

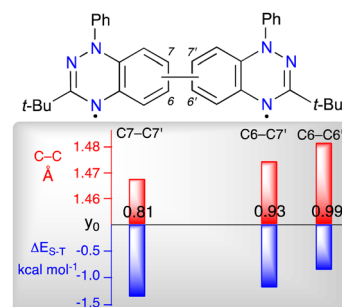
Meng Wu, Rui Zhang,\* Chen Li, Xue Sun, Guanjie Chen, Lidan Guo, Kun Zheng and Xiangnan Sun\*



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**Bi-Blatter diradicals: convenient access to regioisomers with tunable electronic and magnetic properties**

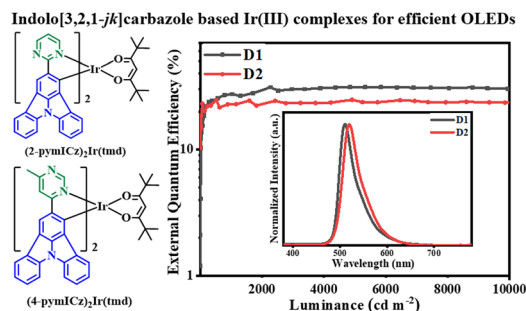
Dominika Pomikto, Anna Pietrzak, Ryohei Kishi and Piotr Kaszyński\*



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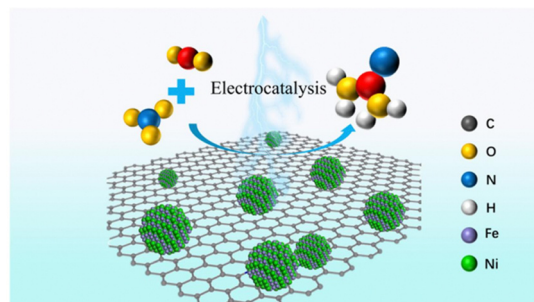
Qi-Ming Liu, Li Yuan, Xiang-Ji Liao, Xiao-Sheng Zhong, Hua-Xiu Ni, Yu Wang, Yue Zhao\* and You-Xuan Zheng\*



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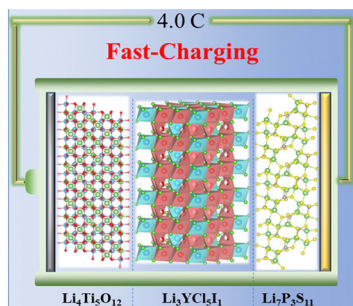
**FeNi<sub>3</sub> nanoparticles for electrocatalytic synthesis of urea from carbon dioxide and nitrate**

Tong Hou, Junyang Ding,\* Hao Zhang, Shanshan Chen, Qian Liu, Jun Luo and Xijun Liu\*

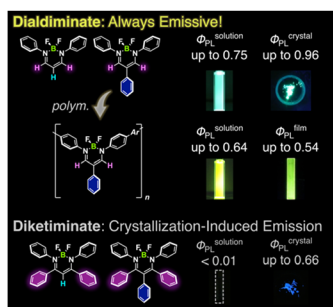


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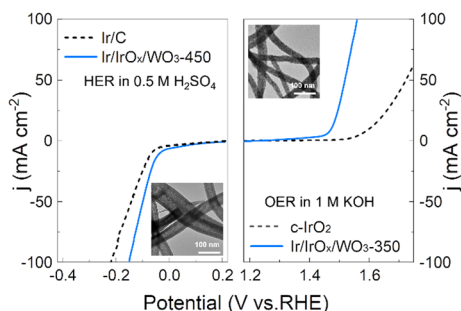
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**Fast-charging batteries based on dual-halogen solid-state electrolytes**Hongtu Zhang, Xiaomeng Shi, Zhichao Zeng,\*  
Yabin Zhang and Yaping Du\*

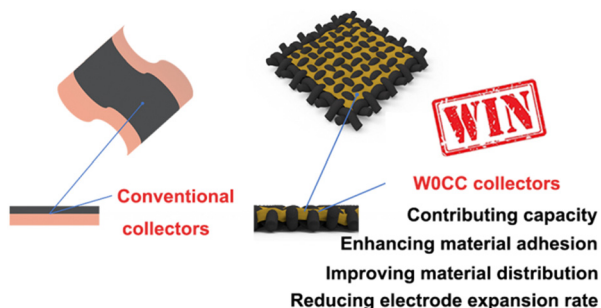
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**Highly efficient luminescence from boron  $\beta$ -dialdiminates and their  $\pi$ -conjugated polymers in both solutions and solids: significant impact of the substituent position on luminescence behavior**Shunichiro Ito, Miyako Hashizume, Hideo Taka,  
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Lanze Li, Junjie Wei, Shijie Ma, Zhilin Yan, Jing Han,  
Fan Wang,\* Zhehong Shen and Deren Yang

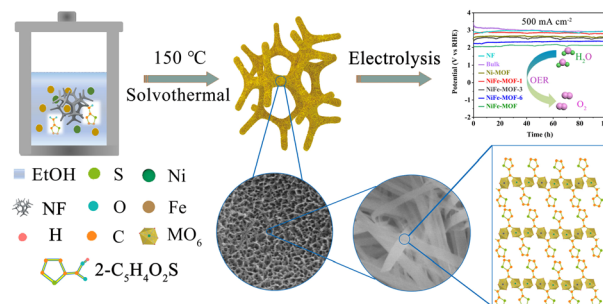


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# Porous yet densely packed metal–organic frameworks (MOFs) toward ultrastable oxygen evolution at practical current densities

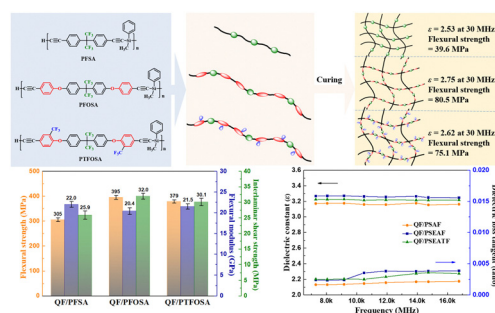
Haiming Wang, Ming Li, Jingjing Duan and Sheng Chen\*



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# Poly(silylene arylacetylene)s containing hexafluoroisopropylidene with attractive mechanical properties and dielectric performance for wave-transparent composites

Changjun Gong, Xiaohan Huang, Shuaikang Lv, Jixian Li, Junkun Tang and Farong Huang\*



## CORRECTION

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# Correction: Forming a composite electron blocking layer to enhance the performance of carbon-based CsPbI<sub>3</sub> perovskite solar cells

Yongfa Song, Weiping Li,\* Hailiang Wang, Huicong Liu, Yue Deng, Qixian Zhang, Han Rao, Xiaoyu Jiang\* and Haining Chen\*

