

Nanoscale Horizons

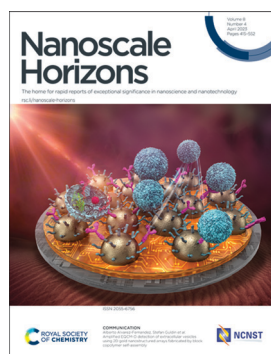
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Cover

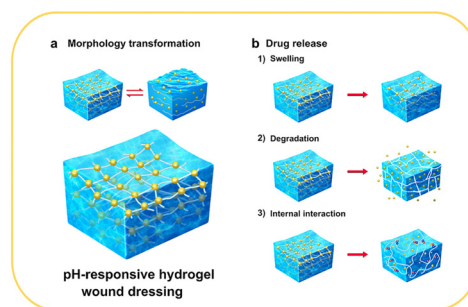
See Alberto Alvarez-Fernandez, Stefan Guldin *et al.*, pp. 460–472. Image reproduced by permission of Yueyang Gao from *Nanoscale Horiz.*, 2023, 8, 460.

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pH-Responsive wound dressings: advances and prospects

Zeyu Han, Mujie Yuan, Lubin Liu, Kaiyue Zhang, Baodong Zhao, Bin He, Yan Liang* and Fan Li*

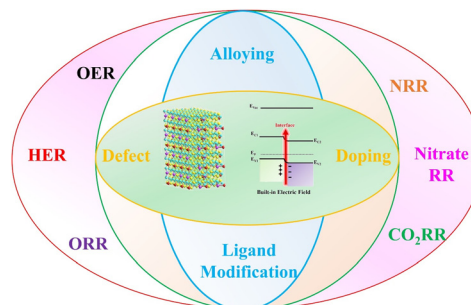


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Interfacial built-in electric-field for boosting energy conversion electrocatalysis

Hui Xu,* Junru Li and Xianxu Chu*



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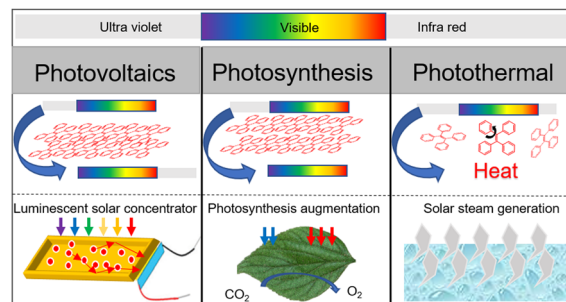


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Recent advances in aggregation-induced emission materials for enhancing solar energy utilization

Haixiang Liu, Haotian Bai, Jacky W. Y. Lam, Ryan T. K. Kwok and Ben Zhong Tang*

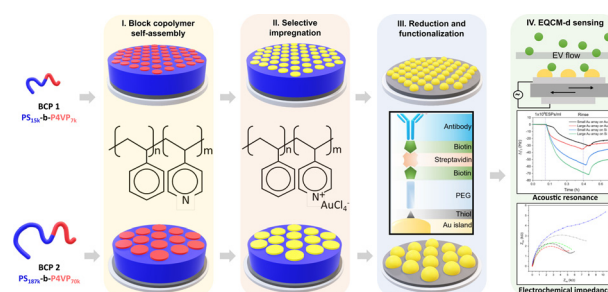


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Amplified EQCM-D detection of extracellular vesicles using 2D gold nanostructured arrays fabricated by block copolymer self-assembly

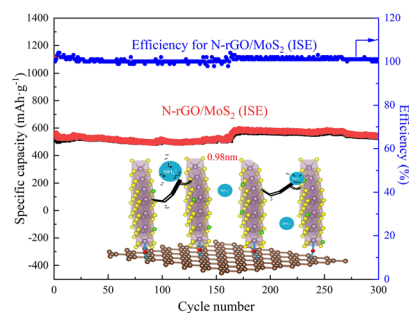
Jugal Suthar, Alberto Alvarez-Fernandez,* Esther Osarfo-Mensah, Stefano Angioletti-Uberti, Gareth R. Williams and Stefan Guldin*



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An interlayer spacing design approach for efficient sodium ion storage in N-doped MoS₂

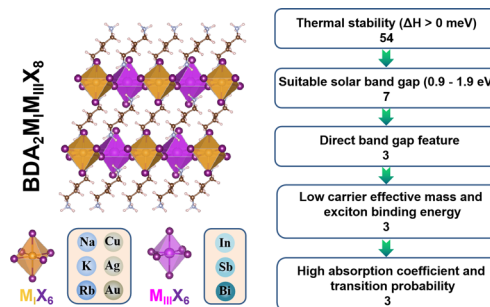
Peng Wang, Wenshan Gou, Tian Jiang, Wenjing Zhao, Kunpeng Ding, Huanxing Sheng, Xin Liu, Qingyu Xu* and Qi Fan*



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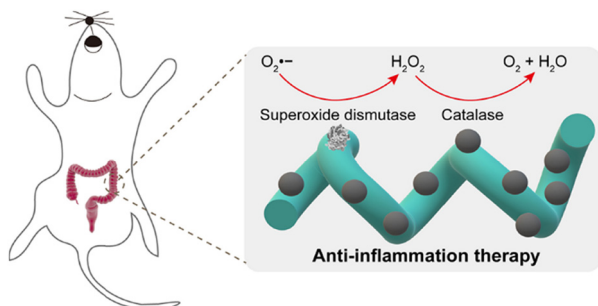
Discovering layered lead-free perovskite solar absorbers *via* cation transmutation

Ming Chen, Zhicheng Shan, Xiaofeng Dong, Shengzhong(Frank) Liu* and Zhuo Xu*



COMMUNICATIONS

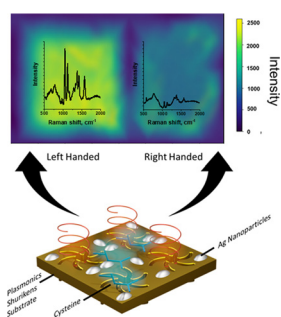
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Integrated cascade catalysis of microalgal bioenzyme and inorganic nanozyme for anti-inflammation therapy

Qi-Wen Chen, Meng-Wei Cao, Ji-Yan Qiao, Qian-Ru Li and Xian-Zheng Zhang*

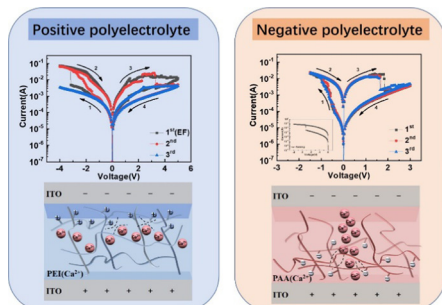
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Coupling of plasmonic hot spots with shurikens for superchiral SERS-based enantiomer recognition

Olga Guselnikova,* Roman Elashnikov, Vaclav Svorcik, Martin Kartau, Cameron Gilroy, Nikolaj Gadegaard, Malcolm Kadodwala, Affar S. Karimullah* and Oleksiy Lyutakov*

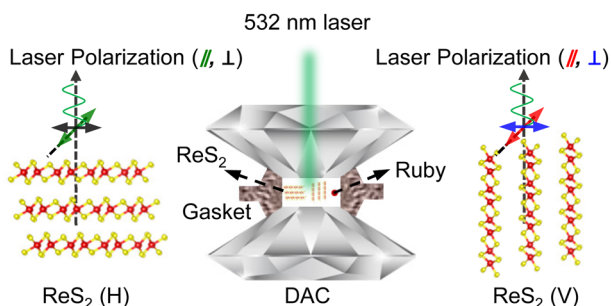
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Evaluating charge-type of polyelectrolyte as dielectric layer in memristor and synapse emulation

Jingzhou Shi, Shaohui Kang, Jiang Feng, Jiaming Fan, Song Xue, Gangri Cai* and Jin Shi Zhao*

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Orientation–polarization dependence of pressure-induced Raman anomalies in anisotropic 2D ReS₂

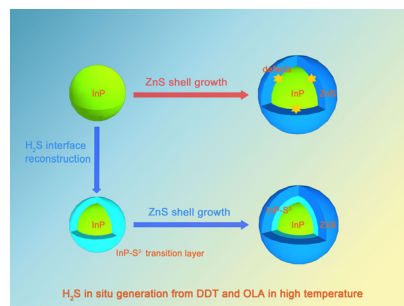
Ting Wen, Maodi Zhang, Jing Li, Chenyin Jiao, Shenghai Pei, Zenghui Wang* and Juan Xia*



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InP/ZnS quantum dot photoluminescence modulation via *in situ* H₂S interface engineering

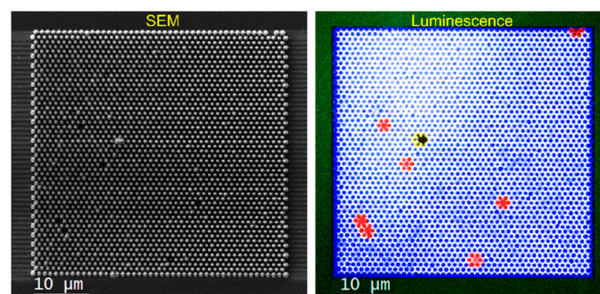
Xiang-Bing Fan, Dong-Wook Shin, Sanghyo Lee, Junzhi Ye, Shan Yu, David J. Morgan, Adrees Arbab, Jiajie Yang, Jeong-Wan Jo, Yoonwoo Kim, Sung-Min Jung, Philip R. Davies, Akshay Rao, Bo Hou and Jong Min Kim*



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Core-shell GaN/AlGaIn nanowires grown by selective area epitaxy

Sonachand Adhikari,* Felipe Kremer, Mykhaylo Lysevykh, Chennupati Jagadish and Hark Hoe Tan*



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A photonic artificial synapse with a reversible multifaceted photochromic compound

Deeksha Sharma, Dheemahi Rao and Bivas Saha*

