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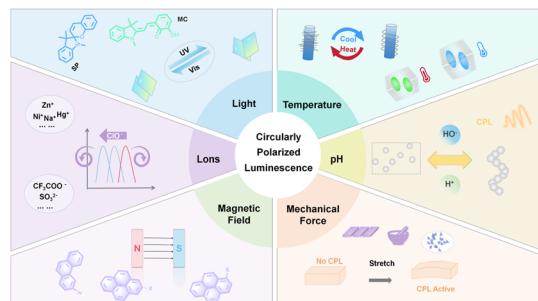
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Recent advances in organic stimuli-responsive tunable circularly polarized luminescence materials

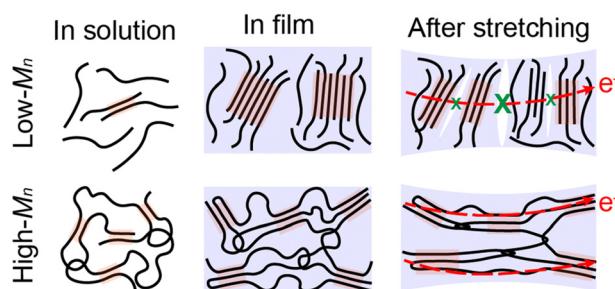
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Zicheng Ding,* Jiayi Hua, Zhaomin Gao, Minghui Wang, Kui Zhao and Yanchun Han*



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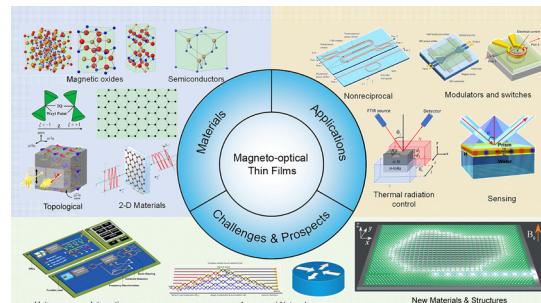
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REVIEWS

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Recent development of magneto-optical thin films and integrated photonic devices

Zixuan Wei, Yucong Yang, Di Wu, Junxian Wang, Xiaoshao Ma, Xuan Zhao, Tianchi Zhang, Jialong Wang, Jun Qin and Lei Bi*

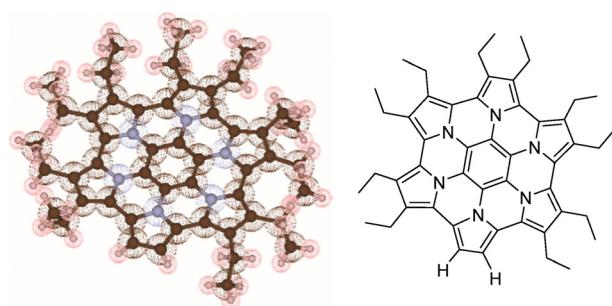


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Metallic crystals with a three-dimensional narrow band based on an aromatic hydrocarbon derivative

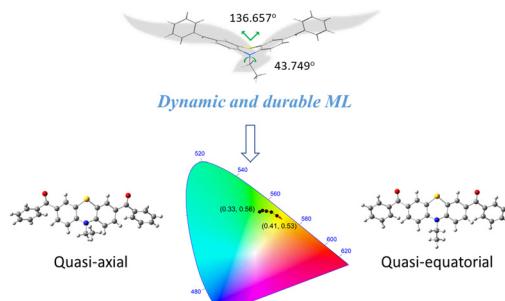
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Mechanical stimulus-responsive luminescence: dynamic and durable mechanoluminescence based on PTZ derivatives

Yun Yu,* Jiaming Xie, Peihao Li, Biao Xiao, Can Wang and Renqiang Yang*

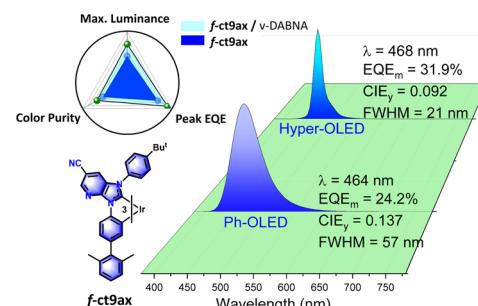


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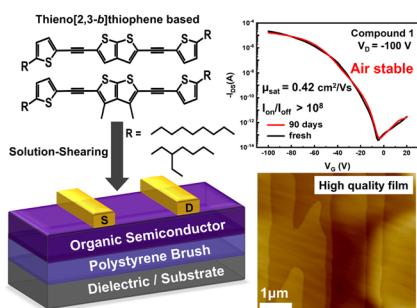
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Chengcheng Wu, Yixin Wu, Kai-Ning Tong, Martin Kuhn, Shek-Man Yiu, Yu-Cheng Kung, Wen-Yi Hung, Jie Yan,* Xiuwen Zhou,* Guodan Wei* and Yun Chi*



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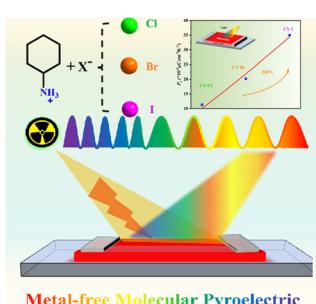
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Seongjin Oh, Hyowon Kang, Choongik Kim* and SungYong Seo*

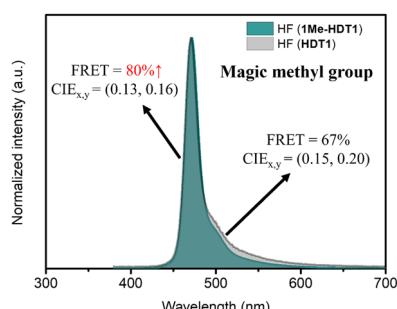
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Huaimin Ni, Haojie Xu, Aijun Liu, Wuqian Guo, Qingshun Fan, Yi Liu,* Zihao Zhao, Xianmei Zhao, Junhua Luo and Zhihua Sun*

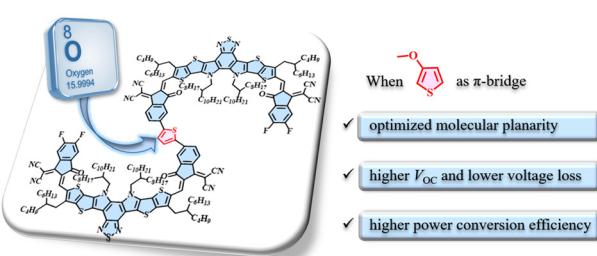
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Yufang Li, Rangani Wathsala Weerasinghe, Yanmei Hu, Xiaolan Tan, Baoshuo Cai, Chihaya Adachi and Chin-Yiu Chan*

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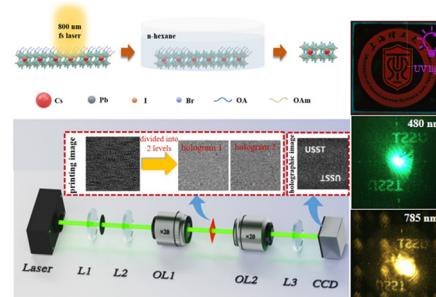


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Femtosecond laser direct writing of $\text{CsPb}(\text{I}/\text{Br})_3$ quantum dot films for displays and holography

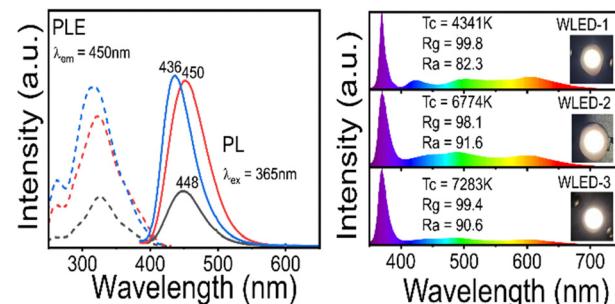
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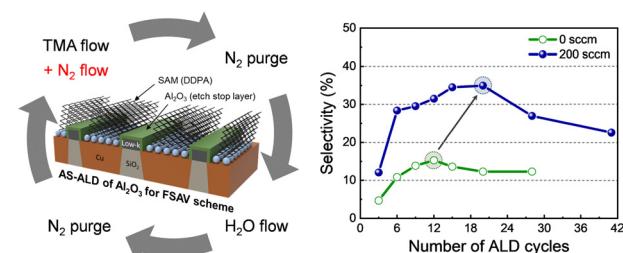
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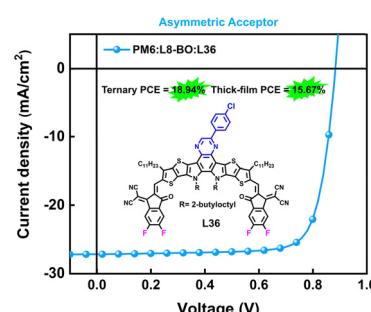
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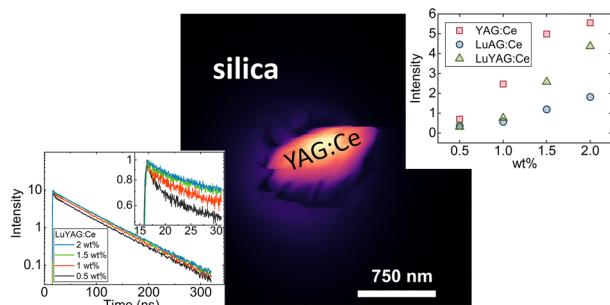
Asymmetric acceptors with fluorinated and chlorinated end-groups enable organic solar cells with almost 19% efficiency and high thickness tolerance

Dandan Li, Wenrong Zhao, Gang Li,* Yan Xu, Lin Da, Ping Zhou, Peng Yang* and Bo Tang*



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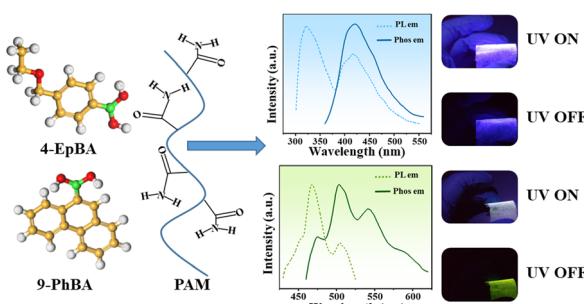
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Novel scintillators based on cerium-doped garnets in amorphous silica: crystal quality at the cost of glass

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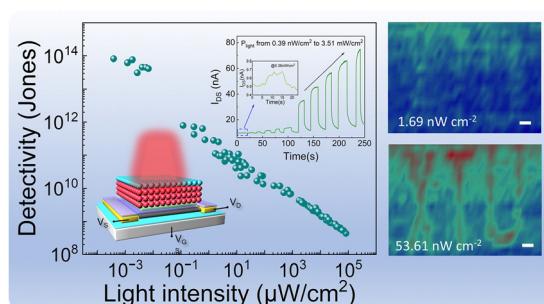
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In situ synthesis of multicolor phosphorescent films of polyacrylamide by regulating the conjugation of guest molecules

Qing Yao, Zeyu Wang,* Ahmed Allam, Zheyuan Da, Chen Zhang, Junnan Wang and Minqiang Wang*

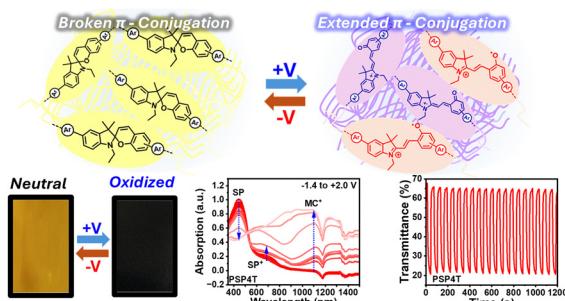
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Heterojunction floating-gate phototransistors for ultraweak short-wavelength infrared photodetection

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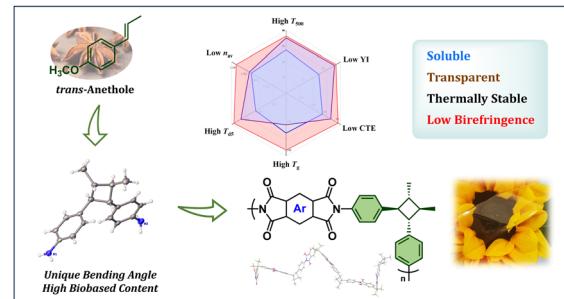


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Soluble, colorless and biobased polyimides with high thermal stability derived from renewable anethole

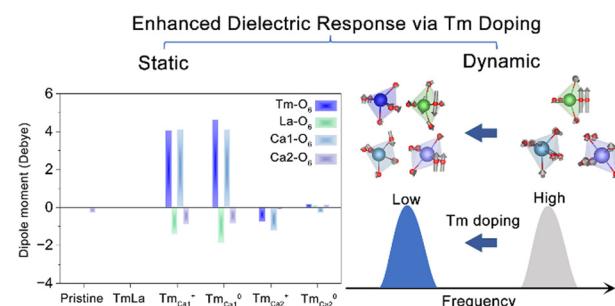
Fangyu Li, Yongzhen Wang, Jiawen Li, Haijiao Xie and Jiajia Wang*



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Theoretical design of dielectric enhancement in Tm-doped LaCOB crystals

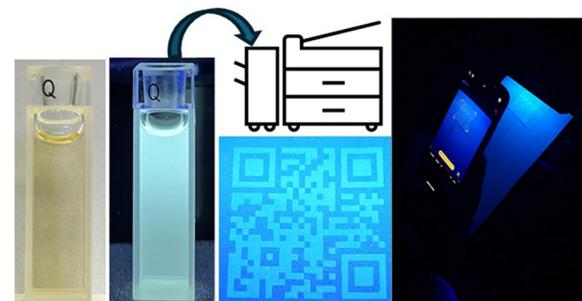
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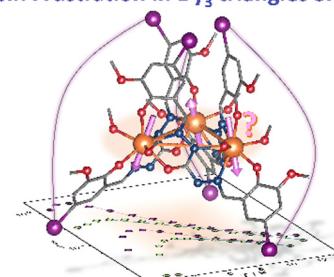


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Exploring the balance between spin frustration and single-ion effects in triangular Dy₃ complexes

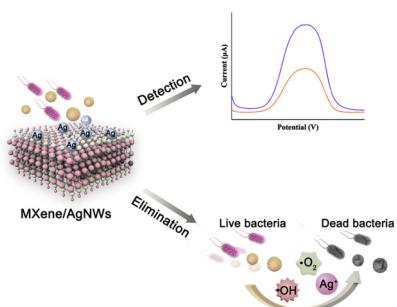
Chieh-Wei Chang, Jérôme Rouquette, Po-Heng Lin* and Jérôme Long*

Spin Frustration in Dy₃ triangles SMM



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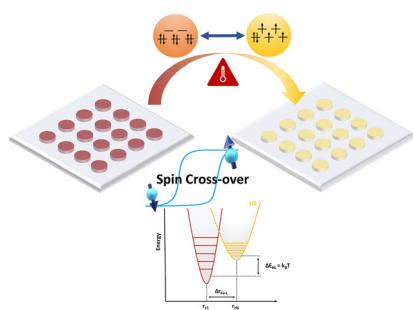
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Flexible and conductive MXene/silver nanowire films for enhanced detection and elimination of bacteria

Zixuan Jia, Huimin Miao, Mingna Hu, Jie Wu, Jiahui Cai, Xinlu Li, Zhimin Chang, Panyong Wang,* Li Li, Wen-Fei Dong* and Qiannan You*

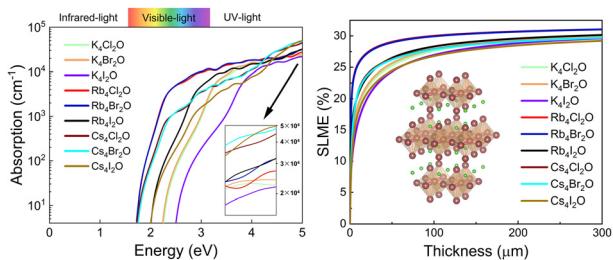
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Spin crossover-driven thermochromic temperature sensor for monitoring heat transfer via image analysis

Bhart Kumar, Kamalesh Tripathy, Mitradip Bhattacharjee and Sanjit Konar*

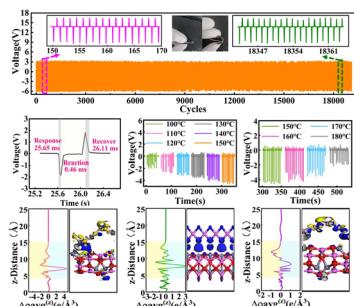
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Exploring novel anti-perovskites X_4A_2O ($X = K, Rb, Cs$; $A = Cl, Br, I$) with excellent photoelectric performance towards photovoltaic applications

Yuqi Zhang, Kai Li, Min Zhang* and Lei Li*

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Hybrid piezoelectricity enabled flexible AZO/SiC thin films sensor with a high output voltage and broad temperature range

Xing Jia, Zhaojun Weng, Qiaobang Xiang, Wei Xue and Ningbo Liao*

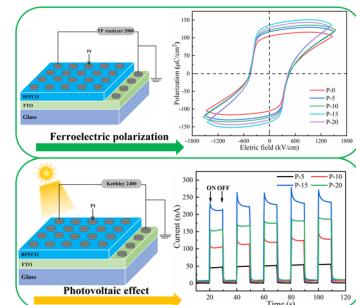


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Phase transition-driven modulation of ferroelectricity and the photovoltaic effect in sol-gel-derived BiFeO₃-based films

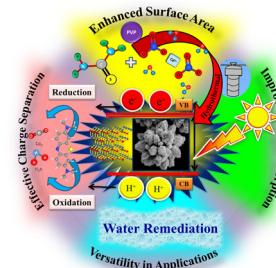
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Old dog, new trick: discovery of the solid-state phthalate detection capabilities of fluorescein

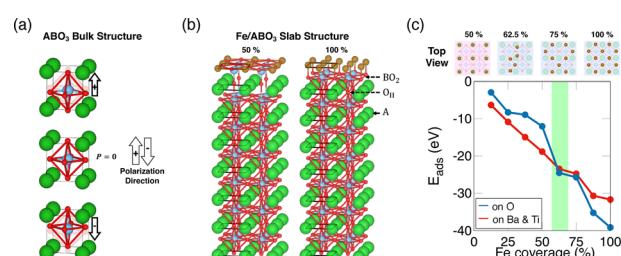
Pablo Labra-Vázquez,* Marie Gressier, Guillaume Rioland and Marie-Joëlle Menu*



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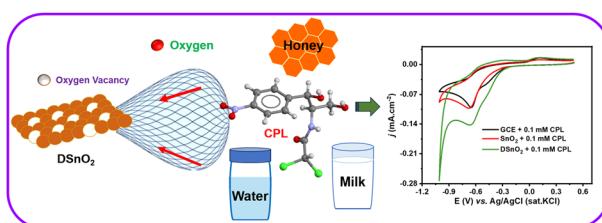
Interfacial magnetic anisotropy of iron-adsorbed ferroelectric perovskites: first-principles and machine learning study

Dameul Jeong, Seoung-Hun Kang* and Young-Kyun Kwon*



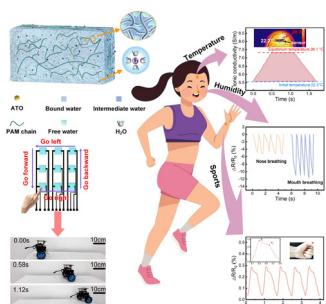
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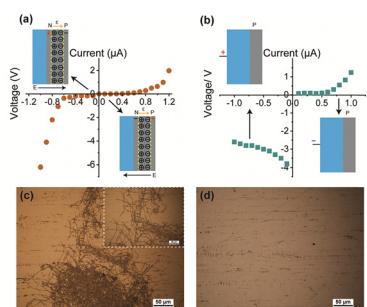
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**Design of moisturizing and frost-resistant ionic hydrogels for multimodal sensing through water-stabilizing effects**

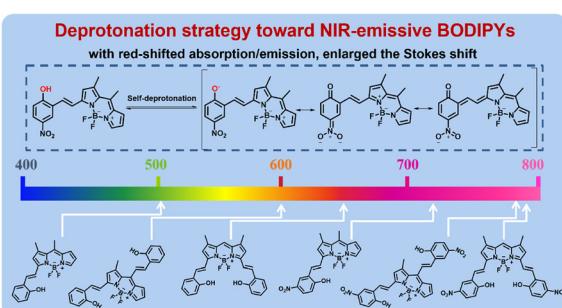
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Jiping Zhao,* Jingjing Liu, Xiaoxuan Zhu, Beibei Wang, Hongbing Cai and Jingsong Xu*

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Ying Zou, Zhengrong Li, Huan Ma, Xinying Xu, Chunlai Yang, Yifu Huang and Hefeng Zhang*

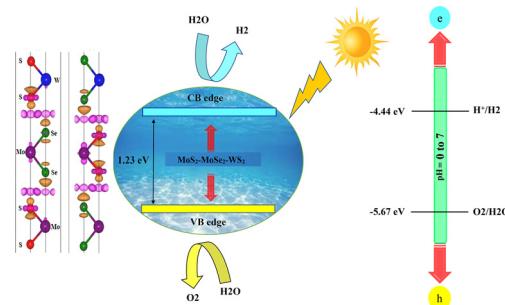


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Interlayer coupling in tri-layered van der Waals heterostructures of MX_2 ($\text{M} = \text{Mo}, \text{W}; \text{X} = \text{S}, \text{Se}, \text{Te}$) monolayers: optical and photocatalytic response

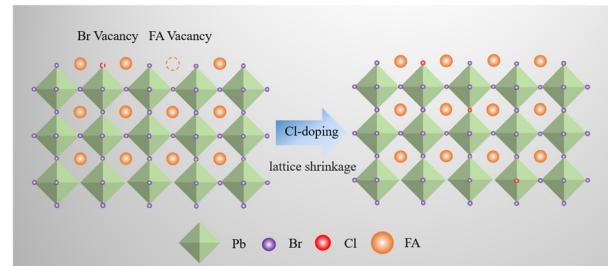
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Changlai Yan, Shaoqing Chen, Xia Li* and Jianhui Huang*



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Cu-doped $\text{CoWO}_4/\text{WO}_3$ heterojunctions as peroxyomonosulfate activators for rapid degradation of organic pollutants

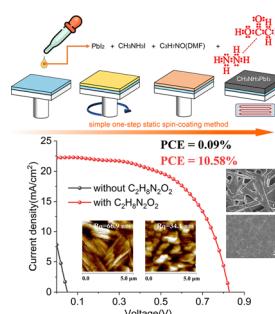
Huiqing Feng, Binsong Wang,* Tianqi Wang, Bingyu Zhang and Jiahong Wang



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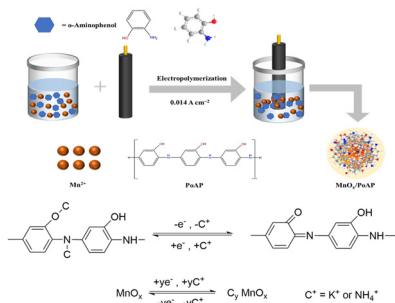
Hydrazine acetate promoted the formation of equiaxed perovskite grains for efficient solar cells

Yanan Sun, Yuan Li, Wei Chen and Zhengyi Sun*



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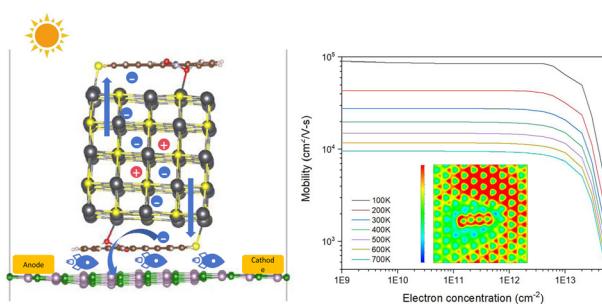
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Simultaneous electrodeposition of manganese oxide/poly(o-aminophenol) composites as electrode materials for aqueous electrochemical energy storage

Shaotong Pei,* Bo Lan, Xueting Bai, Yunpeng Liu, Xinlan Yi, Haichao Sun, Weiqi Wang, Mianxiao Wu and Chao Wang*

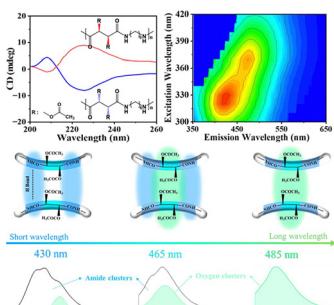
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A first-principles study of polycyclic aromatic hydrocarbon-mediated PbS QD/2D BP 0D/2D hybrid-dimensional systems

YuXuan Du, ZhuoMan Wang, Shuai Wen, MengLin Li, LiZhu Wu, Tao Ma, Meiqi Wang, Shaojie Peng, Shengyong Wang, Chao Wu and Huan Liu*

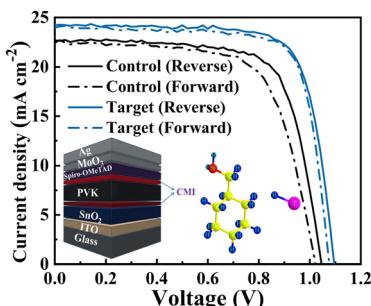
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Tartaric acid-based chiral polyamides: unraveling intrinsic multicolor clusteroluminescence and the solvent-modulated emission mechanism

Muye Yang, Zhengbin Wang, Lingli Zhang, Jingli Wang, Xin Li, Wenjie Zhang, Wei Zhao, Ge Shi, Yanjie He, Yuancheng Zhang, Xiaomeng Zhang, Peng Fu, Zhe Cui,* Xinchang Pang and Minying Liu

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Cyclohexylmethylammonium iodide-based bilateral interface engineering for efficient perovskite solar cells with improved stability and negligible hysteresis

Litong Zhou, Yu Huo, Guangmei Zhai,* Zhuoyu Zhao, Chunyan Yu,* Wei Jia and Bingshe Xu

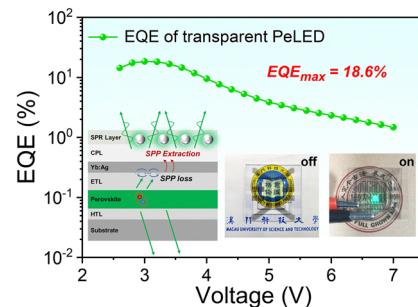


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Surface plasmon resonance modulation toward efficient transparent perovskite light-emitting diodes

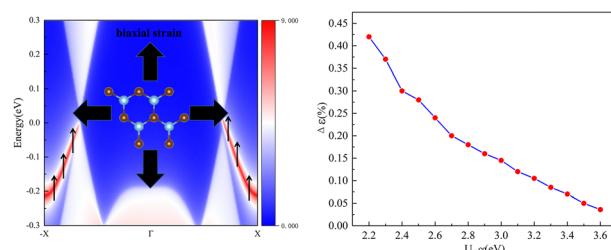
Zi-Yi Jin, Qi Sun, Wei He, Shuang-Qiao Sun, Guang-Li Li, Yue-Min Xie* and Man-Keung Fung*



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Valley topological phase transitions under the combined effects of electronic correlation and strain in the H-TiSeBr monolayer

Xiang-Jie Chen, Yong-Hu Xu, Meng-Ran Qin, Pei Zhang, Zhen Gao,* Yao He* and Kai Xiong



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A facile end-capping strategy with strong electron withdrawing groups for enhancing field-effect mobility

Xian Huang, Kaiqing Liu, Xinyi Zhu, Xiaochan Zuo, Xiaoliang Mo,* Zhengran Yi* and Yan Zhao*

