Journal of Materials Chemistry C

Materials for optical, magnetic and electronic devices

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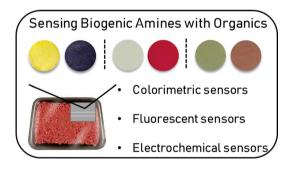
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Biogenic amine sensors using organic π -conjugated materials as active sensing components and their commercialization potential

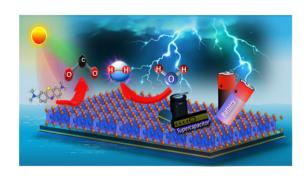
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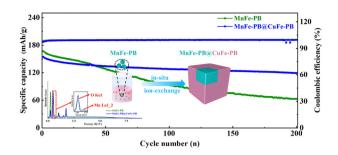


COMMUNICATION

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Ion exchange to construct a high-performance core-shell MnFe-PB@CuFe-PB cathode material for sodium ion batteries

Hongyu Cheng, Yi-Nuo Liu, Zhuo-Er Yu, Yingying Song, Yinping Qin, Maomao Zhang, Riming Chen, Jingjing Zhou, Yang Liu* and Bingkun Guo*

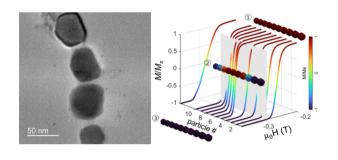


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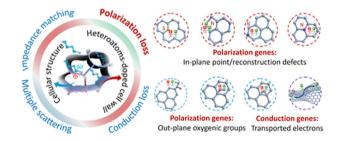
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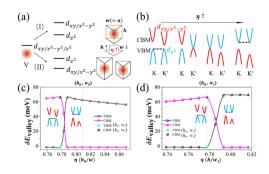
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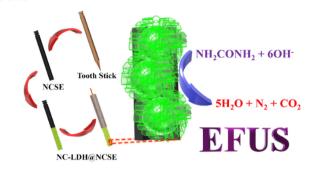
Xiaogu Huang,* Lan Zhang, Gaoyuan Yu, Jiawen Wei and Gaofeng Shao*



Effects of crystal deformation on spin-valley interplay and topological phase transition: a case study on VSi_2X_4 (X = N or P) monolayers

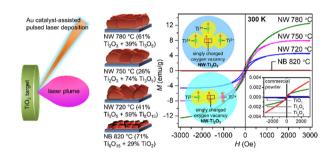
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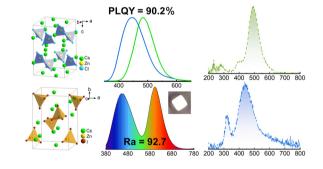
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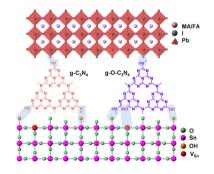
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Yubin Yang, Jianghua Wu, Tianrui Zhou, Yunluo Wang, Jiagian Zheng, Ruifeng Liu, Jingshan Hou, Xiang Li, Lianjun Wang, Wan Jiang and Haijie Chen*



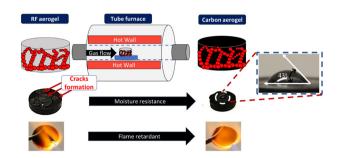
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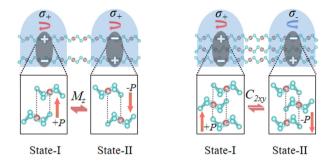
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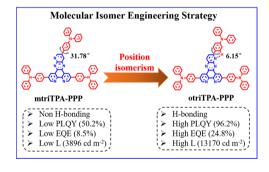
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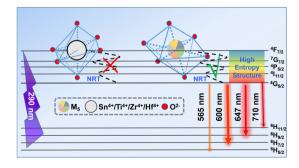
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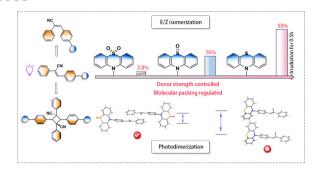


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Lei Xia, Zhan Mao, Xin Wang, Jing Zhu, Jiyang Xie, Zhe Wang and Wanbiao Hu*

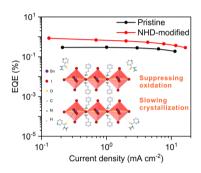


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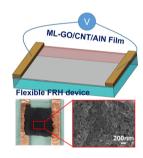
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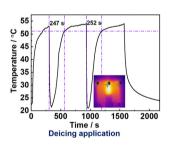
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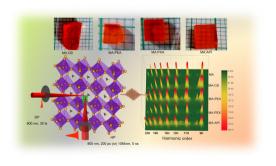




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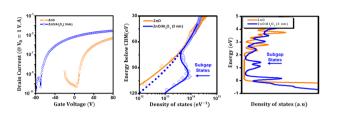
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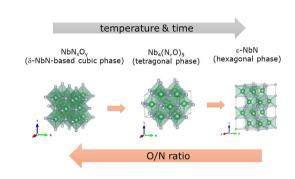
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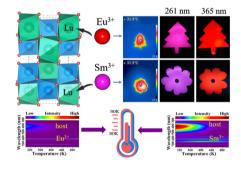
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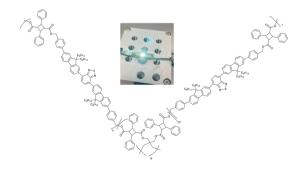
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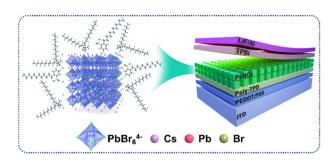
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A cross-linkable, organic down-converting material for white light emission from hybrid LEDs

Hao Yang, Jochen Bruckbauer, Lyudmyla Kanibolotska, Alexander L. Kanibolotsky, Joseph Cameron, David J. Wallis, Robert W. Martin* and Peter J. Skabara*



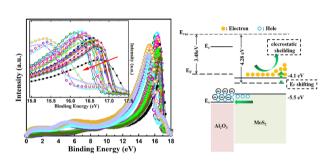
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Xudong Jin, Yanqin Miao, Jianhua Dong, Jingkun Wang, Qiqing Lu, Min Zhao,* Bingshe Xu* and Junjie Guo*

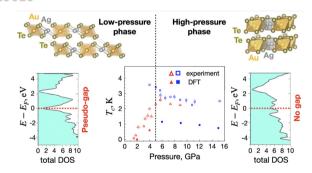
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The effect of Al_2O_3 electrical shielding on MoS_2 energy structure modulation in MoS_2/p -Si heterojunction solar cells

Yu Zhang,* Zening Li, Peiyi Tong, Lukai Zhang, Wei Yu and Xiuling Liu*

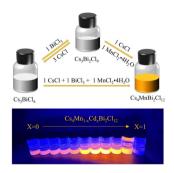
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Silvanite AuAgTe₄: a rare case of gold superconducting material

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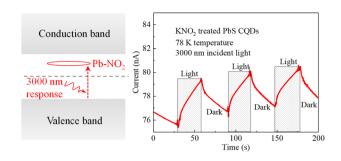
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Chunli Zhao, Yuan Gao* and Jianbei Qiu*

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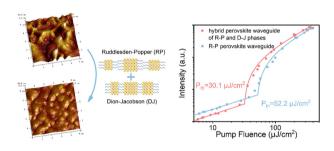
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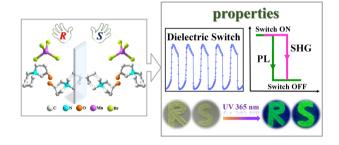
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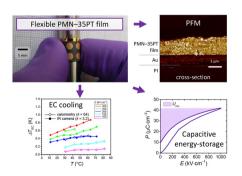
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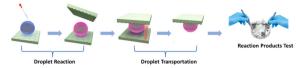
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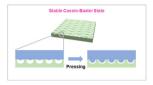
Multifunctional flexible ferroelectric thick-film structures with energy storage, piezoelectric and electrocaloric performance

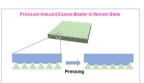
Matej Sadl, Uros Prah, Veronika Kovacova, Emmanuel Defay, Tadej Rojac, Andrej Lebar, Joško Valentinčič and Hana Ursic*



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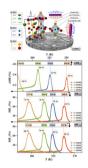




Stretchable superhydrophobic elastomers with on-demand tunable wettability for droplet manipulation and multi-stage reaction

Xiaohong Ding, Yunchi Cai, Guofei Lu, Jiapeng Hu, Jinyun Zhao, Longhui Zheng, Zixiang Weng, Huanyu Cheng,* Jing Lin* and Lixin Wu*

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Polycrystalline La_{0.66}Gd_{0.04}Ca_{0.3}MnO₃ for magnetic-response applications: concurrent anisotropic magnetoresistance and magnetotransport under a low magnetic field

Sheng'an Yang, Junfeng Li, Jin Hu, Ruidong Xu, Hui Zhang, Lingde Kong, Xiang Liu, Ji Ma* and Qingming Chen*