Journal of Materials Chemistry C

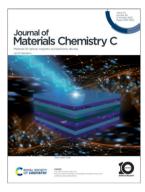
Materials for optical, magnetic and electronic devices

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A review on thermal and electrical behaviours of liquid metal-based polymer composites

Li-Chuan Jia, Yun-Fei Yue, Jian-Feng Zeng, Zhi-Xing Wang, Run-Pan Nie,* Ling Xu, Ding-Xiang Yan* and Zhong-Ming Li



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Photochromic diarylethene induced fluorescence switching materials constructed by non-covalent interactions

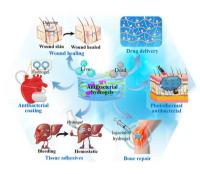
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Qian Wang, Xing Feng, Hong Xu, Guo Guo, Ying Li* and Qilong Zhang*

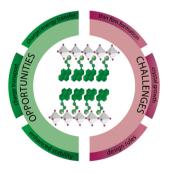


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Wouter T. M. Van Gompel,* Laurence Lutsen and Dirk Vanderzande

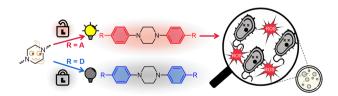


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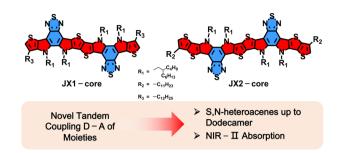
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Tuokai Peng and Hui-Qing Peng*



COMMUNICATIONS

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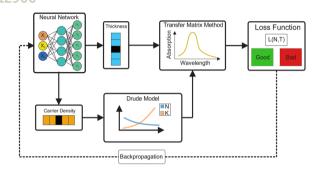


A narrow-bandgap non-fullerene acceptor constructed with an S,N-heteroacene up to a dodecamer in size

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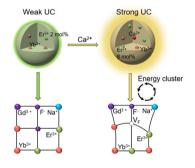
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David Dang, Aleksei Anopchenko, Sudip Gurung, Zoey Liu, Xuguo Zhou and Ho Wai Howard Lee*

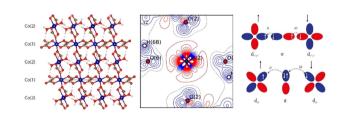
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Enhancing upconversion *via* constructing local energy clusters in lanthanide-doped fluoride nanoparticles

Haolin Yang, Anshuo Zhang, Hai Guo,* Denghao Li, Shiqing Xu* and Lei Lei*

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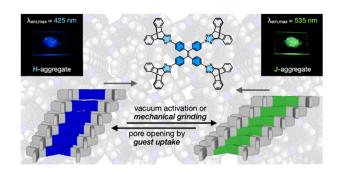
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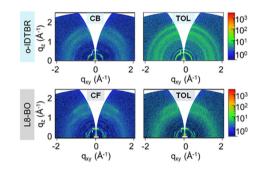
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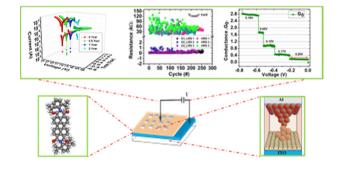
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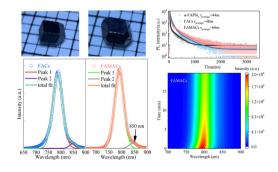
Arti Bisht, Nitish Saini, Komal Bhardwaj, Rachana Kumar and Ajeet Kumar*



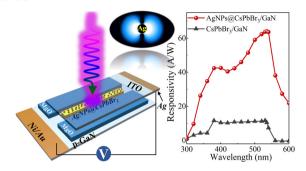
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Synergistic enhancement of the optoelectronic performance and stability of MA and Cs in $FA_xMA_yCs_{1-x-y}PbI_zBr_{3-z}$ single crystals

Kaiyu Wang, Feitong Chen, Qing Yao, Jie Zhang, Huiling Zhu, Weiwei Zhang, Xiaoyuan Zhan, Shenglai Wang* and Jianxu Ding*



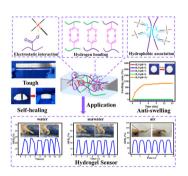
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Chengxin Lin, Peng Wan, Bingwang Yang, Daning Shi, Caixia Kan* and Mingming Jiang*

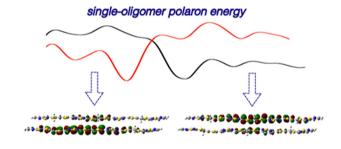
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Anti-swelling hydrogels based on surfactant polymer interactions for underwater sensing with excellent mechanical properties

Yue Cai, Kaizhen Wan, Qihui Chen, Maochun Hong, Zhao-Xi Zhou* and Heqing Fu*

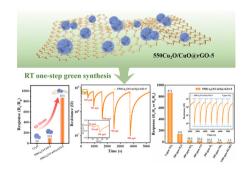
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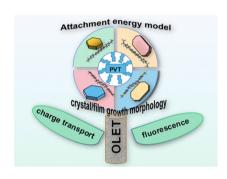
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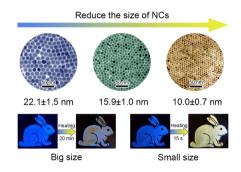
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Jie Chen, Yu Li, Zhe Yin,* Shuaibing Wang, Ouyang Lin, Wentao Niu, Feng Teng* and Aiwei Tang*

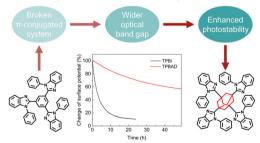


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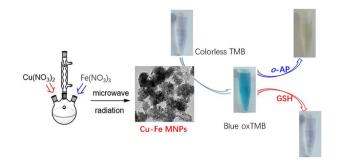
Stable spontaneous orientation polarization by widening the optical band gap with 1,3,5,7-tetrakis(1-phenyl-1H-benzo[d]imidazol-2-yl)adamantane

Wei-Chih Wang, Kyohei Nakano, Yuya Tanaka, Keisuke Kurihara, Hisao Ishii, Kiyohiro Adachi, Daisuke Hashizume, Chain-Shu Hsu* and Keisuke Tajima*

Spontaneous orientation polarization



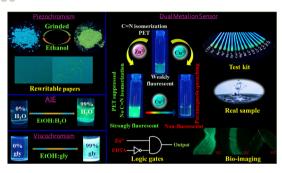
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Xuemei Zhou, Lingmin Kong, Junkai Hao, Jing Feng, Shuo Sun, Chuanzhen Zhou, Yanmin Liu, Zhengquan Yan,* Xiao Zhu and Lei Hu*

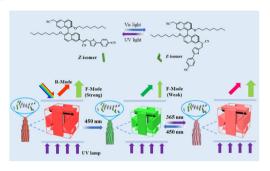
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Aayoosh Singh, Pranjalee Yadav, Saumya Singh, Pradeep Kumar, S. Srikrishna and Vinod P. Singh*

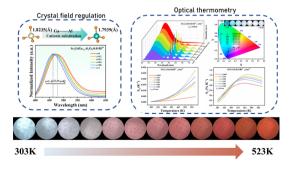
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Jingjing Wang, Yanrong He, Shan Li, Qingyan Fan and Jinbao Guo*

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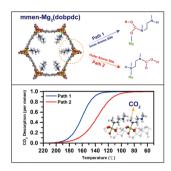
Multicolor tunable Bi3+,Sm3+ co-doped Sr2GdGaO5 phosphor and its application in optical thermometry

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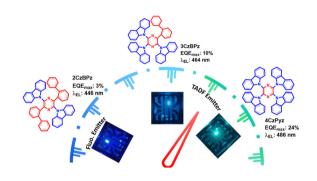
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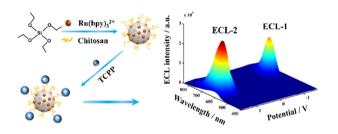
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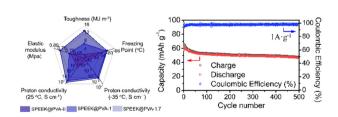
Mingguan Guo, Jiangnan Shu,* Dexin Du, Yisha Wang and Hua Cui*



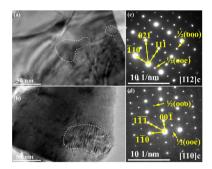
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A freezing-tolerant superior proton conductive hydrogel comprised of sulfonated poly(etherether-ketone) and poly(vinyl-alcohol) as a quasi-solid-state electrolyte in a proton battery

Hao Dong, Lin-Lin Wang, Zhi-Rong Feng, Jie Song, Qiao Qiao,* Yu-Ping Wu and Xiao-Ming Ren*



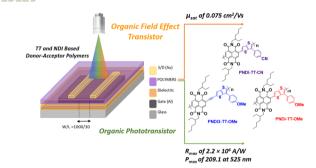
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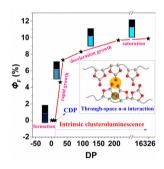
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Synthesis and characterization of naphthalenediimide-thienothiophene-conjugated polymers for OFET and OPT applications

Dilara Gunturkun, Recep Isci, Sheida Faraji, Berkay Sütay, Leszek A. Majewski and Turan Ozturk*

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Bin Liu,* Genghong Huang, Hu-liang Lu, Kang Chen, Zishan Yan, Ya-Ling Wang, Bo Chu, Fu-de Ren, Yongzhen Yang and Xing-Hong Zhang*