

# Journal of Materials Chemistry C

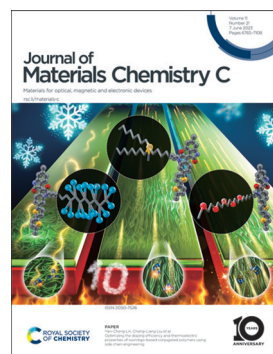
Materials for optical, magnetic and electronic devices

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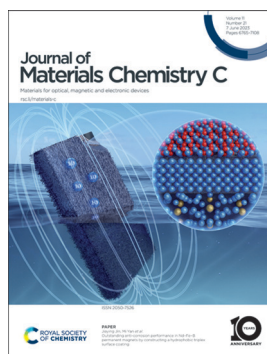
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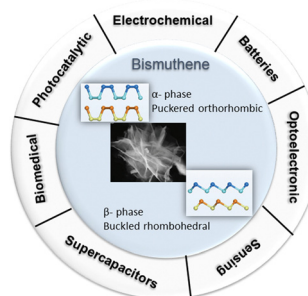
See Jiaying Jin, Mi Yan *et al.*, pp. 6884–6893. Image reproduced by permission of Jiaying Jin from *J. Mater. Chem. C*, 2023, 11, 6884.

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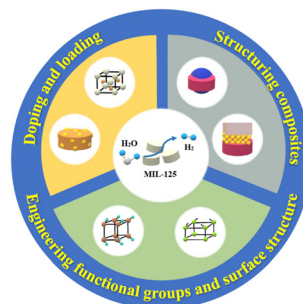
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Yijun He, Tianping Lv,\* Bin Xiao, Bo Liu, Tong Zhou, Jin Zhang, Yumin Zhang, Genlin Zhang\* and Qingju Liu\*



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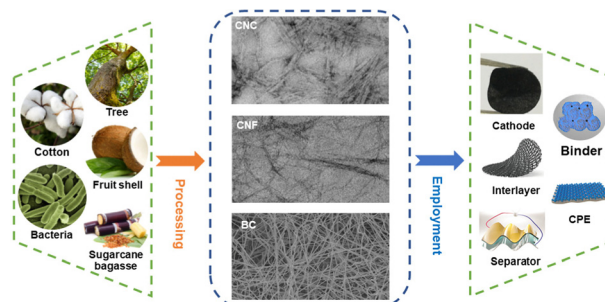


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**Inexhaustible natural celluloses in advanced Li–S batteries: a review**

Ming Chen, Dongxue Liu, Liucheng Meng, Ying Zhao, Jiaqi Xu, Sha Yin, Yige Wang and Yang Huang\*

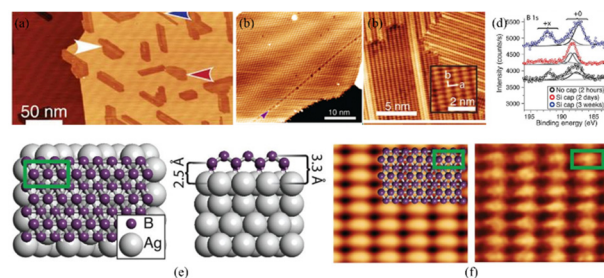


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**Borophenes: monolayer, bilayer and heterostructures**

Rui Yang and Mengtao Sun\*

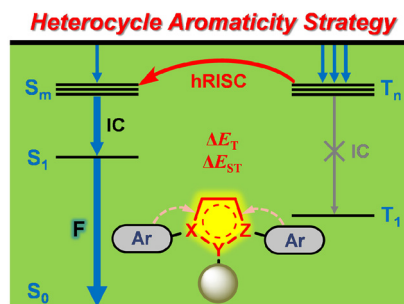


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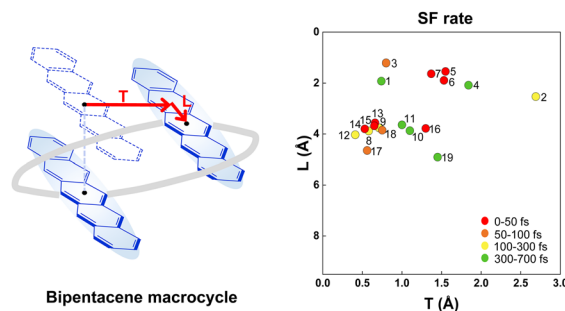
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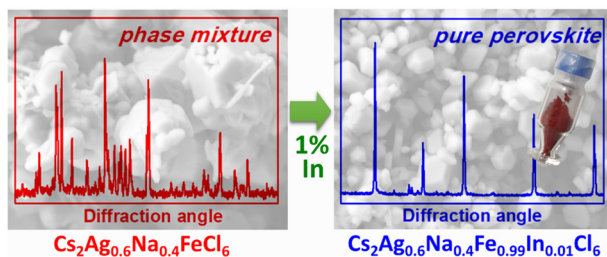
**Optimizing through-space interaction for singlet fission by using macrocyclic structures**

Zhangxia Wang, Xuexiao Yang, Haibo Ma\* and Xiaoyu Xie\*



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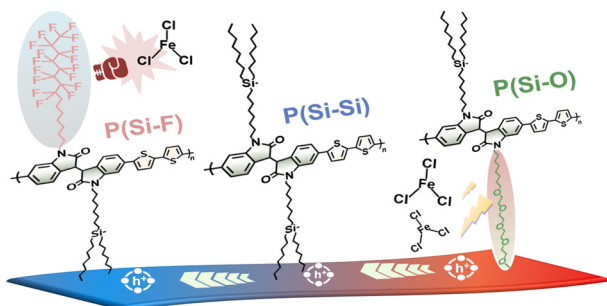


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Oleksandr Stroyuk,\* Oleksandra Raievska, Anastasia Barabash, Jens Hauch and Christoph J. Brabec

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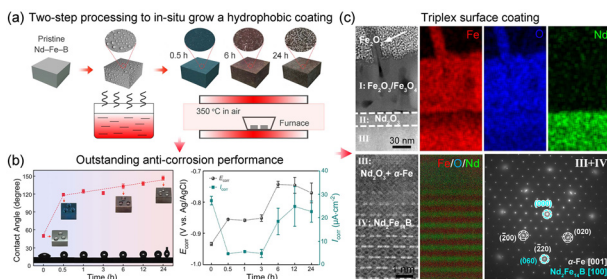
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### Optimizing the doping efficiency and thermoelectric properties of isoindigo-based conjugated polymers using side chain engineering

Chia-Hao Tsai, Yan-Cheng Lin,\* Wei-Ni Wu, Shih-Hung Tung, Wen-Chang Chen and Cheng-Liang Liu\*

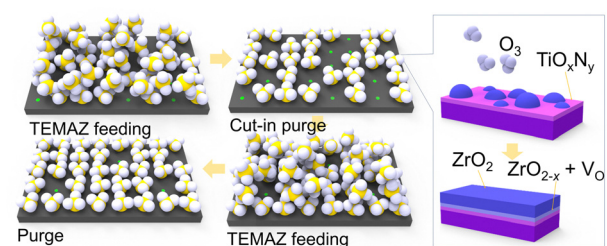
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### Outstanding anti-corrosion performance in Nd-Fe-B permanent magnets by constructing a hydrophobic triplex surface coating

Wang Chen, Jiaying Jin,\* Junyao Yu, Liang Zhou, Baixing Peng, Song Fu, Xiaolian Liu, Guohua Bai and Mi Yan\*

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Ae Jin Lee, Seungwoo Lee, Dong Hee Han, Youngjin Kim and Woojin Jeon\*

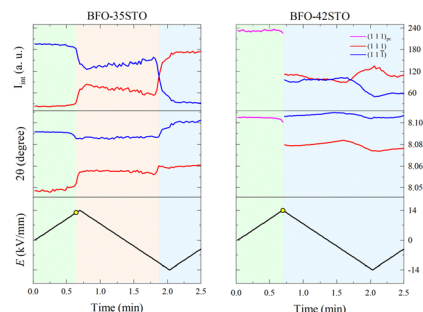




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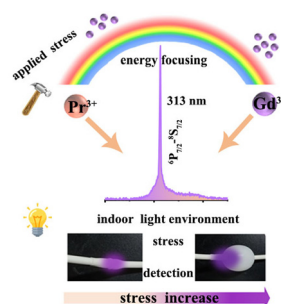
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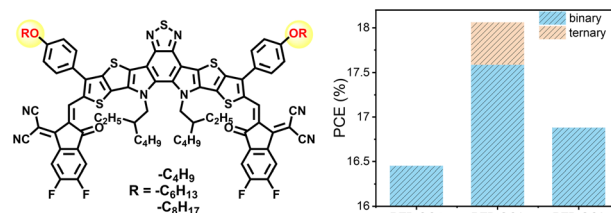
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## Side-chain modification of non-fullerene acceptors for organic solar cells with efficiency over 18%

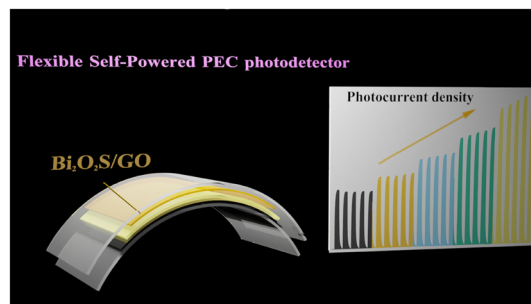
Zhixiang Li, Changzun Jiang, Xin Chen, Guangkun Song, Xiangjian Wan, Bin Kan,\* Tainan Duan, Ekaterina A. Knyazeva, Oleg A. Rakitin and Yongsheng Chen\*



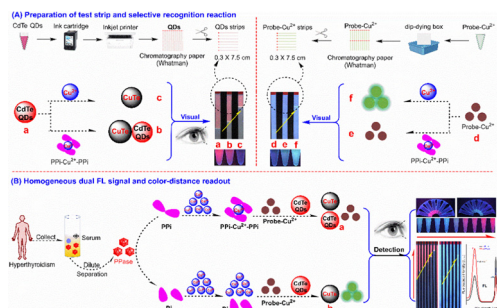
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Xinzhe Yan, Baolong Shi, Huyue Cao, Zhengshan Tian, Chaoqing Dai,\* Wei Liu,\* Qin Yang\* and Yueyue Wang\*



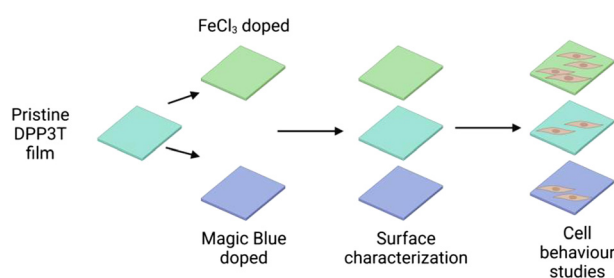
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Tian Shi, Wu Peng, Li Yan, Maoyuan Zhao, Zixuan Zhan,\* Binwu Ying\* and Piaopiao Chen\*

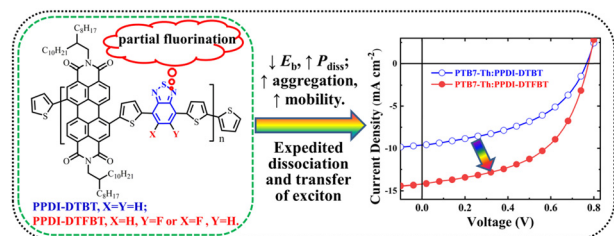
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Ryan P. Trueman, Peter Gilhooly Finn, Megan M. Westwood, Avishek Dey, Robert Palgrave, Alethea Tabor, James B. Phillips and Bob C. Schroeder\*

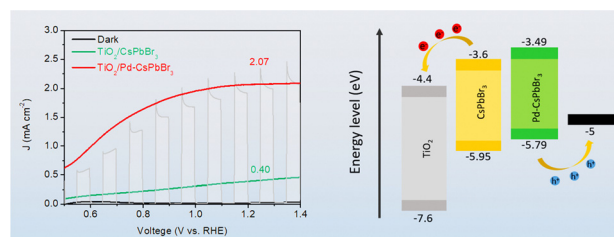
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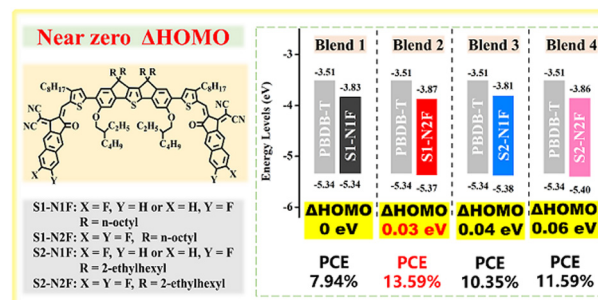
Wenxiao Gong, Yulan Li,\* Yang Yang, Heng Guo\* and Xiaobin Niu\*



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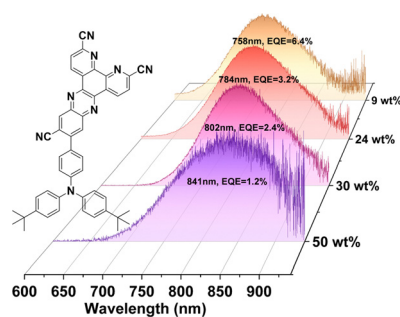
Liwen Wang, Cai'e Zhang, Zhiyi Su, Yikai Wang, Wenli Su, Xuyan Man, Zaifei Ma, Wenkai Zhang,\* Cuihong Li,\* Chuluo Yang and Zhishan Bo\*



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### Highly efficient near-infrared thermally activated delayed fluorescence organic light-emitting diodes with emission beyond 800 nm

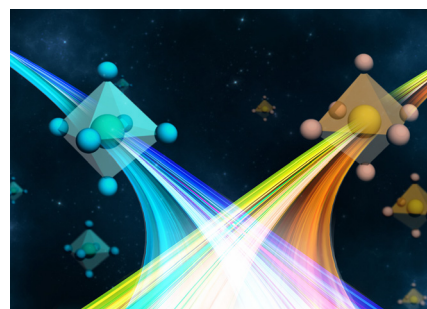
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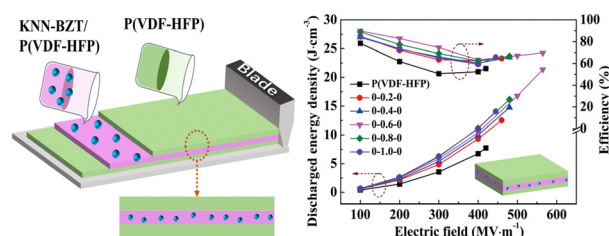
Tianzhuo Wen, Guoxian Gu,\* Bofei Wang, Wenjun Zhang\* and Ruihu Wang



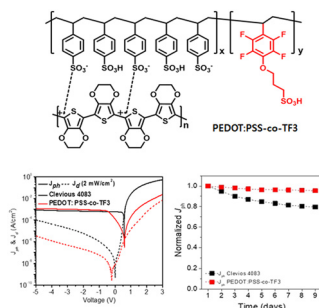
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Yan Guo, Di Zhou,\* Da Li, Weichen Zhao, Yifei Wang, Lixia Pang, Zhongqi Shi, Tao Zhou, Shikuan Sun, Charanjeet Singh, Sergei Trukhanov, Antonio Sergio Bezerra Sombra and Guohua Chen



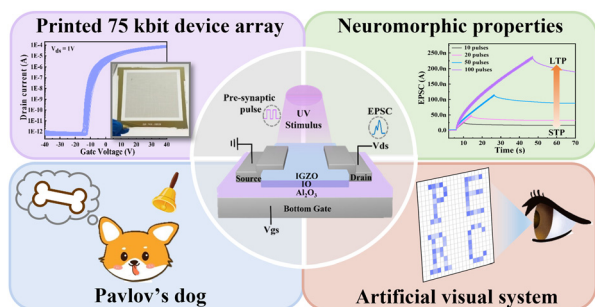
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Long Shen, Gyeong Uk Seo, Hyeong Ju Eun, Prabhakaran Prem, Sang Eun Yoon, Jong H. Kim\* and Tae-Dong Kim\*

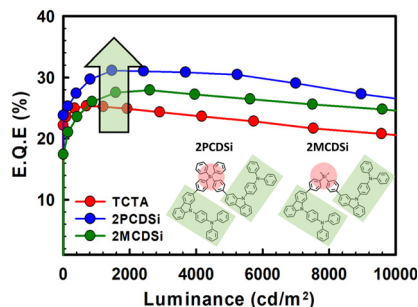
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Shuangshuang Shao, Suyun Wang, Min Li, Tanghao Xie, Yuxiao Fang, Penghui Guo, Zhaofeng Chen and Jianwen Zhao\*

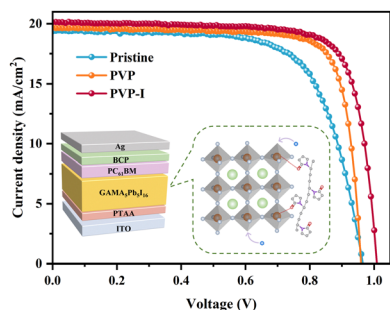
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Young Hun Jung, Ramanaskanda Braveenth, Seung Hyun Lee, Su Bin Oh, Hyuna Lee, Hye In Yang, Jun Hyeog Oh, Hye Rin Kim, Bo-Mi Kim\* and Jang Hyuk Kwon\*

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Sai Ji, Yansheng Sun, Xiaonan Huo, Weifeng Liu, Weiwei Sun, Kexiang Wang, Ran Yin, Tingting You\* and Penggang Yin\*



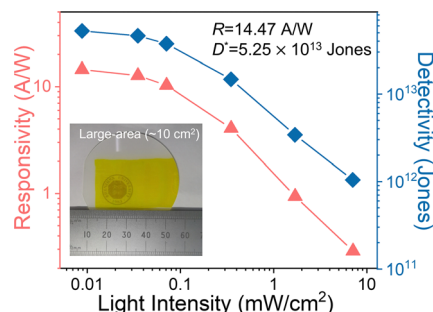


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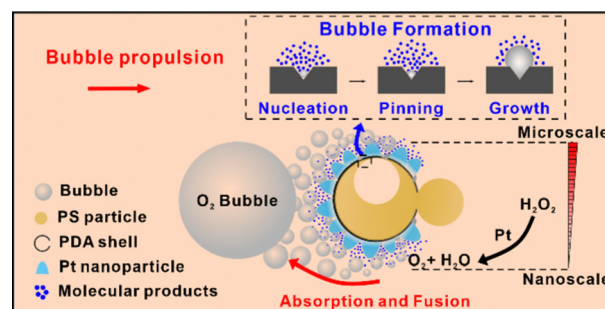
Feier Fang, Wenlong He,\* Zexiang Liu, Ke Jiang, Ye Wang, Fuming Chen, Henan Li\* and Yumeng Shi\*



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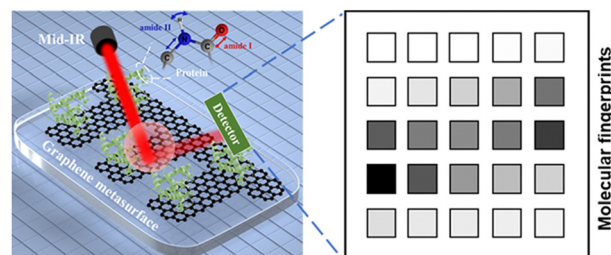
Jiaxin Li, Xiangxiang Zhai, Zili Yang, Ziyi Pei, Ming Luo\* and Jianguo Guan\*



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### Graphene plasmonics for ultrasensitive imaging-based molecular fingerprint detection

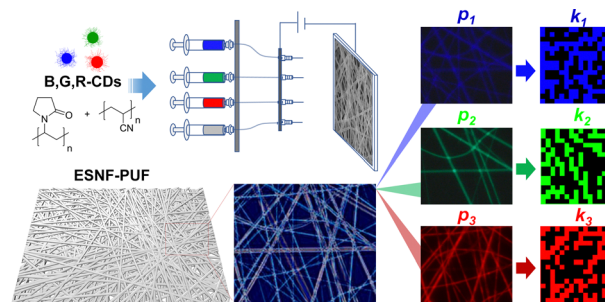
Chengdong Tao, Chuanbao Liu,\* Yongliang Li, Lijie Qiao, Ji Zhou and Yang Bai\*



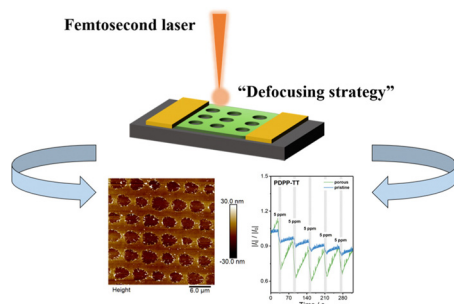
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Shunfei Qiang, Ke Yuan, Yanyan Cheng, Guoqiang Long, Wenkai Zhang,\* Xiaofeng Lin, Xiuli Chai,\* Xiaomin Fang and Tao Ding



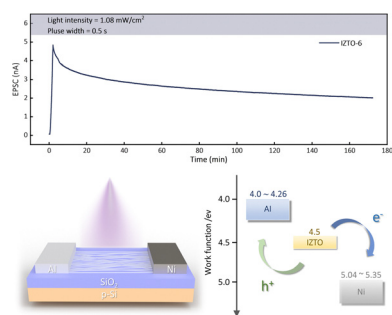
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## Direct laser patterning of organic semiconductors for high performance OFET-based gas sensors

Li Chen, Yuzhou Hu, Huaxi Huang, Chao Liu, Di Wu\* and Jianlong Xia\*

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## Long-memory retention and self-powered ultraviolet synapses realized by multi-cation metal oxide semiconductors

Lingyan Zheng, Ruifu Zhou, Shuwen Xin, Haofei Cong, Yuanbin Qin, Peilong Xu, Xuhai Liu\* and Fengyun Wang\*

