Journal of Materials Chemistry C

Materials for optical, magnetic and electronic devices

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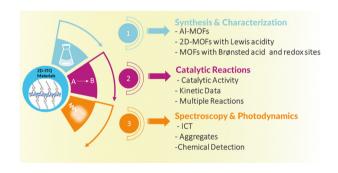
See Takao Someya, Tomoyuki Yokota et al., pp. 14070-14078. Image reproduced by permission of Tomoyuki Yokota from J. Mater. Chem. C, 2023, 11, 14070.

REVIEW

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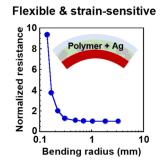
Mario Gutiérrez, Urbano Díaz,* Boiko Cohen* and Abderrazzak Douhal*

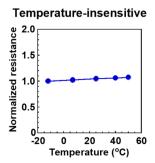


PAPERS

An ultra-flexible temperature-insensitive strain sensor

Yu Kato, Kenjiro Fukuda, Takao Someya* and Tomoyuki Yokota*





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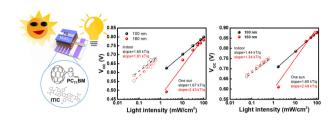
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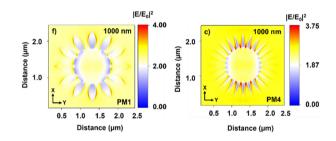
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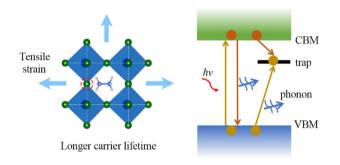
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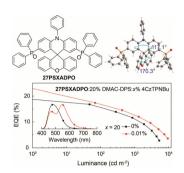


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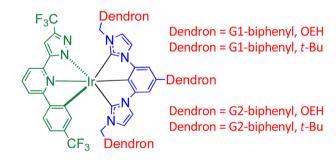
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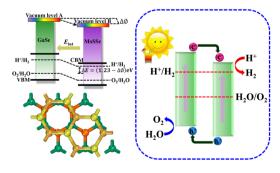
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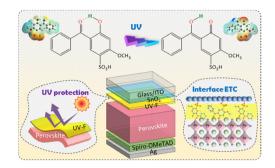
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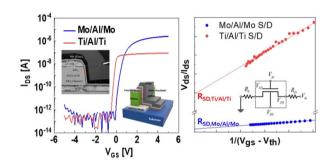
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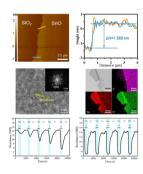
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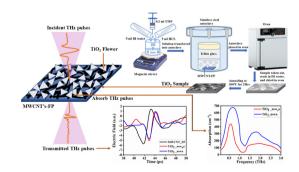
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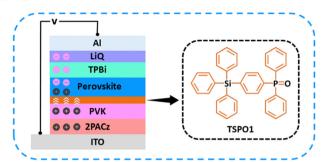
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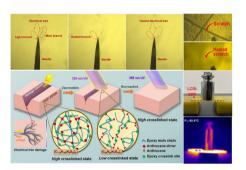
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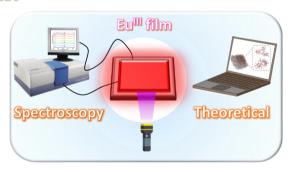
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A UV-responsive mechanically robust insulating polymer that achieves intrinsic self-healing of electrical tree damage based on reversible anthracene photodimerization

Potao Sun, Zeyan Shi, Wenxia Sima,* Xinyu Tang, Tao Yuan, Ming Yang, Hang Xu and Zhaoping Li

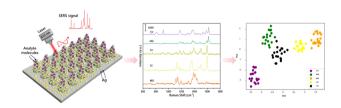
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Leonardo F. Saraiva, Airton G. Bispo-Jr. Sergio A. M. Lima and Ana M. Pires*

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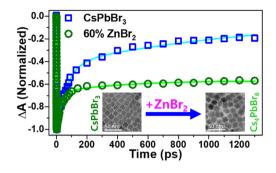
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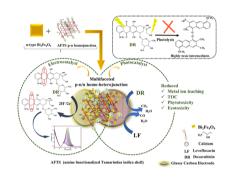
Naresh Varnakavi, Kiran Gupta, Kyunghoon Lee, Jiwoong Yang, Pil-Ryung Cha* and Nohyun Lee*



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A green catalyst and sensor: band engineering of Bi₂Fe₄O₉-based S-scheme p-n/n homo-heterojunction for detection and degradation of cytotoxic drug

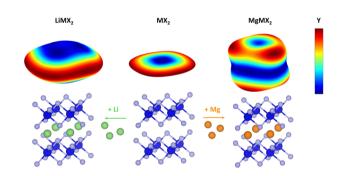
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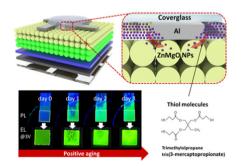
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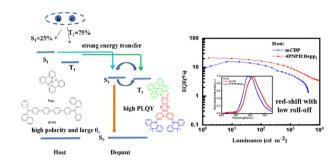
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Hyunwoo Jang, Seungki Shin, Minwoo Lee, Namyoung Gwak, Seongchan Kim, Yunseo Lee and Nuri Oh*



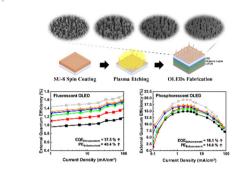
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Optimizing the horizontal dipole orientation and dipole-dipole interaction of thermally activated delayed fluorescence emitters for high efficiency and low roll-off red OLEDs

Jianwen Qin, Xianfeng Qiao, Dezhi Yang, Qian Sun, Yanfeng Dai, Xuhui Zhu and Dongge Ma*

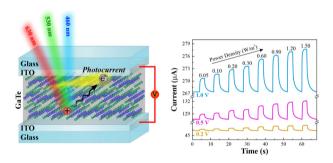
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A morphological study of random nanostructured external light extraction layers for enhancing optical characteristics of OLEDs

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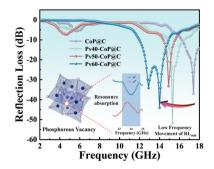
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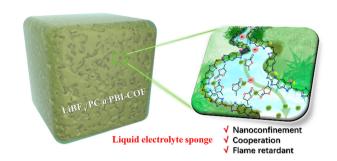
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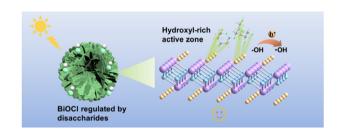
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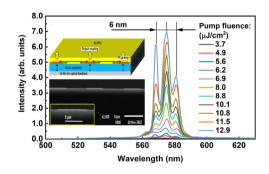
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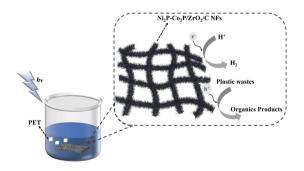
Tiangi Zhang, Wenwen Wu, Yue Liu and Xinping Zhang*



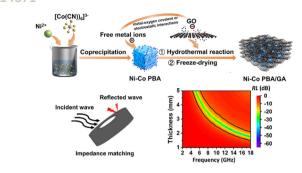
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An efficient and recyclable Ni₂P-Co₂P/ZrO₂/C nanofiber photocatalyst for the conversion of plastic waste into H₂ and valuable chemicals

Wenbin Qu, Xueyang Qi, Guixiang Peng, Minchao Wang, Lixin Song,* Pingfan Du and Jie Xiong*



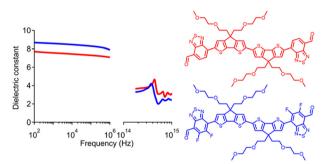
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Ni-Co Prussian blue analogue/graphene aerogel: a green synthesis approach for high-performance electromagnetic wave absorption and radar stealth applications

Weijie Liang, Ying Wang,* Feng Gao,* Shikun Hou, Qiong Wu, Hua Yang, Fei Jin, Gongxun Bai, Yahui Wang, Zhenbao Li and Hongliang Ge*

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The effect of fluorination on the low and high frequency dielectric constants of non-polymeric organic semiconductors - towards homojunction solar cells

Neil Mallo, Shaun McAnally, Ronan Chu, Mohammad Babazadeh, Hui Jin, Paul L. Burn,* Ian R. Gentle and Paul E. Shaw*

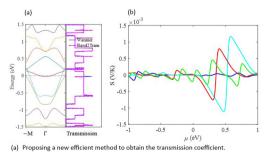
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Modification of thermally activated delayed fluorescence emitters comprising acridan-pyrimidine moieties for efficient sky-blue to greenish-blue OLEDs

Yi-Zhen Li, Hsuan-Chi Liang, Chia-Hsun Chen, Ching-Huang Chiu, Bo-Yen Lin,* Jake A. Tan,* Jiun-Haw Lee,* Tien-Lung Chiu* and Man-kit Leung*

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Tuning conducting phases in C₃N/C₂N heterostructures: applications in thermoelectrics

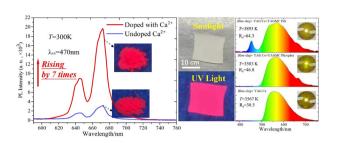
M. Amir Bazrafshan, Farhad Khoeini* and Catherine Stampfl

(b) Obtaining a high value for the Seebeck coefficient.

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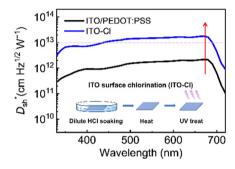
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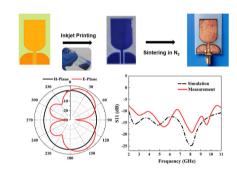
Jiahui Wang, Ruyan Zhao, Lu Zhang, Junhui Miao,* Jun Liu* and Lixiang Wang



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Copper particle-free ink with enhanced performance for inkjet-printed flexible **UWB** antennas

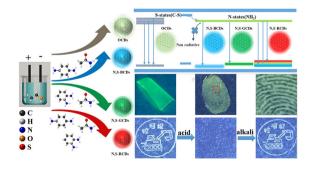
Wendong Yang,* Zhichao Dong, Zihao Guo and Haogiang Sun



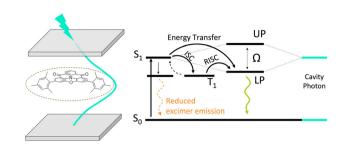
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Electrochemical synthesis of fluorescenceenhanced carbon dots with multicolor emission via surface nitrogen and sulfur modulation for information encryption applications

Qingling Zhao, Xiaotong Wang, Qinghong Song, Zehao Zang, Chunyan Fan, Lanlan Li, Xiaofei Yu, Zunming Lu and Xinghua Zhang*



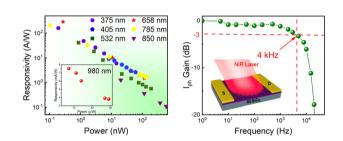
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Multi-resonance TADF in optical cavities: suppressing excimer emission through efficient energy transfer to the lower polariton states

Inseong Cho, William J. Kendrick, Alexandra N. Stuart, Pria Ramkissoon, Kenneth P. Ghiggino, Wallace W. H. Wong and Girish Lakhwani*

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Flexible near-infrared polarized photodetector based on CuPc single crystal grown by microspacing in-air sublimation

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CORRECTION

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Correction: Ternary alloyed MoS_{2-x}Se_x nanocomposites with a carrier mobility-dominated gas sensing mode: a superior room temperature gas sensing material for NO₂ sensors

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