

Journal of Materials Chemistry C

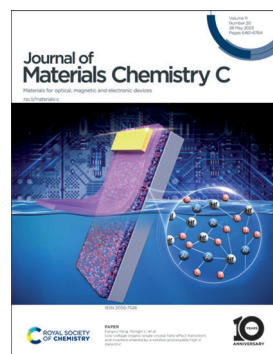
Materials for optical, magnetic and electronic devices

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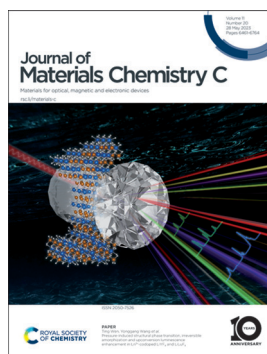
IN THIS ISSUE

ISSN 2050-7526 CODEN JMCCCX 11(20) 6461–6764 (2023)



Cover

See Fangxu Yang, Rongjin Li *et al.*, pp. 6580–6587. Image reproduced by permission of Fangxu Yang from *J. Mater. Chem. C*, 2023, **11**, 6580.



Inside cover

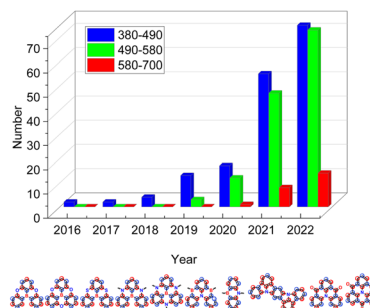
See Ting Wen, Yonggang Wang *et al.*, pp. 6588–6596. Image reproduced by permission of Yonggang Wang from *J. Mater. Chem. C*, 2023, **11**, 6588.

REVIEWS

6471

Recent progress and prospects of fluorescent materials based on narrow emission

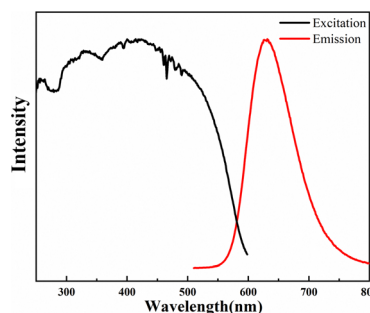
Hao-Ze Li, Feng-Ming Xie,* Yan-Qing Li* and Jian-Xin Tang*



6512

Progress of $M_2Si_5N_8:Eu$ series in industrial LED phosphors

Takatoshi Seto,* Yuhua Wang,* Jiapeng Wu and Zebin Li



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Journal of Materials Chemistry C covers materials with applications in optical, magnetic and electronic devices.

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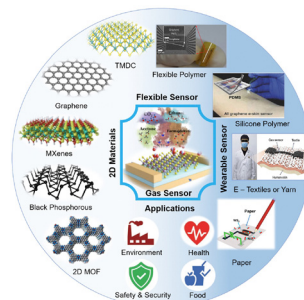


REVIEWS

6528

Flexible/wearable resistive gas sensors based on 2D materials

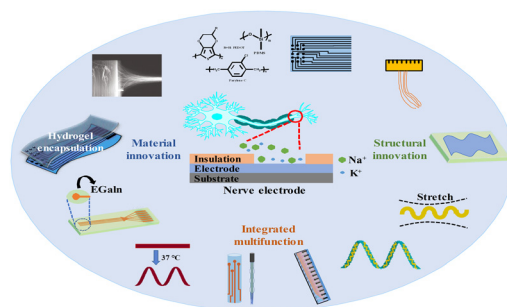
Hamid Reza Ansari, Ali Mirzaei, Hooman Shokrollahi, Rahul Kumar, Jin-Young Kim, Hyoun Woo Kim,* Mahesh Kumar* and Sang Sub Kim*



6550

Implantable neural electrodes: from preparation optimization to application

Beilin Zhang, Ruijie Xie, Jiamin Jiang, Shiping Hao, Bin Fang, Jiaxin Zhang, Hua Bai,* Bo Peng, Lin Li, Zhiyuan Liu* and Li Fu*

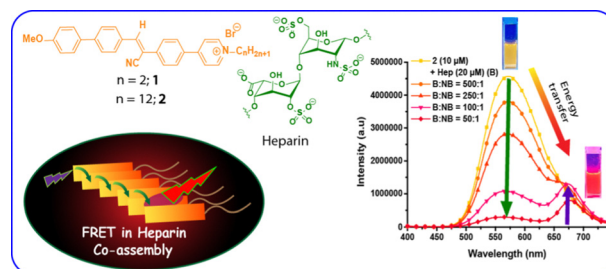


COMMUNICATION

6573

Efficient energy transfer in heparin-based co-assemblies of donor–acceptor cyanostilbenes

Shubhra Kanti Bhaumik, Nitish Kumar and Supratim Banerjee*

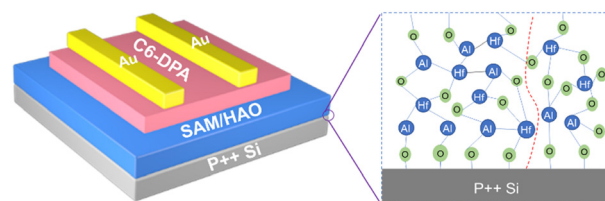


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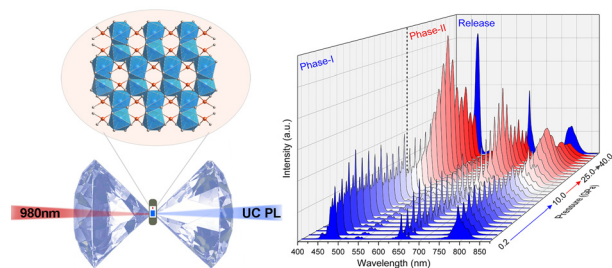
6580

Low-voltage organic single-crystal field-effect transistors and inverters enabled by a solution processable high-*k* dielectric

Chunli Ma, Bin Li, Yihan Zhang, Jiamin Wang, Ying Liu, Lingjie Sun, Xinzi Tian, Jiarong Yao, Zhaofeng Wang, Shuyu Li, Fangxu Yang,* Rongjin Li* and Wenping Hu



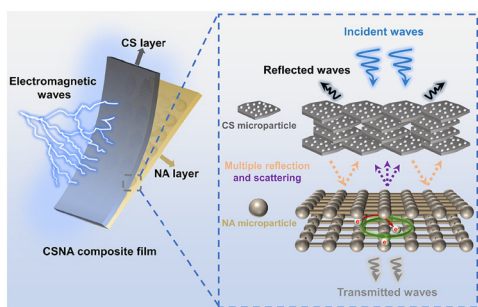
6588



Pressure-induced structural phase transition, irreversible amorphization and upconversion luminescence enhancement in Ln^{3+} -codoped LiYF_4 and LiLuF_4

Yingying Ma, Ting Wen,* Ke Liu, Dequan Jiang, Mei-Huan Zhao, Chuanlong Lin and Yonggang Wang*

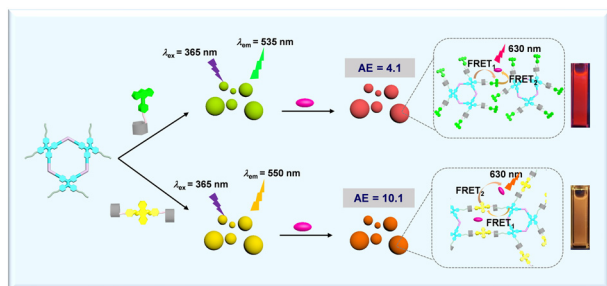
6597



Magnetically driven hierarchically ordered carbonyl iron@ SiO_2 /Ni@Ag/silicone rubber composite film for enhanced electromagnetic interference shielding with ultralow reflection

Teng Chen, Jun Cai, De Gong,* Xiang Cheng, Peng Liu and Deyuan Zhang

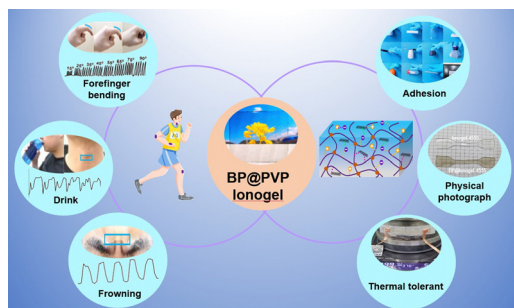
6607



An efficient hierarchical self-assembly approach to construct structurally diverse two-step sequential energy-transfer artificial light-harvesting systems

Pei-Pei Jia, Lianrui Hu,* Wei-Tao Dou, Xing-Dong Xu, Haitao Sun, Zhi-Yong Peng, Dan-Yang Zhang, Hai-Bo Yang and Lin Xu*

6616



A sticky, thermal tolerant, tough BP@PVP ionogel for epidermal sensors

Xiangfei Xiao, Haidong Zhao, Penji Yan, Hengfei Zhang, Xinghuan Liu, Xin Jia* and Shuping Jin*

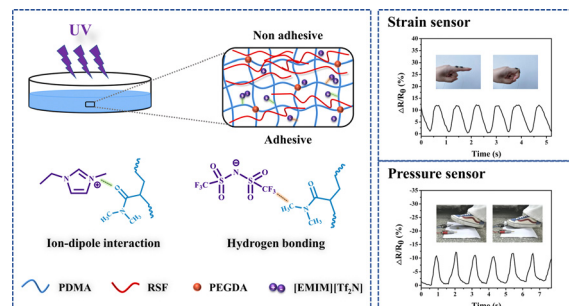


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6627

Janus-type ionic conductive gels with single-sided adhesiveness prepared by a "one-step" method for strain/pressure sensors

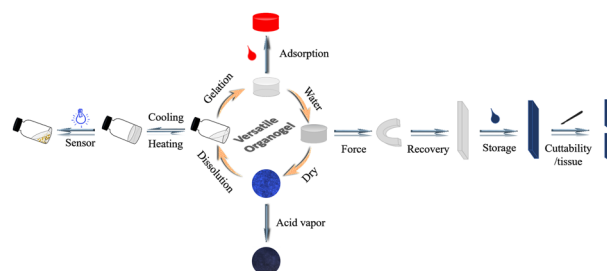
Ling Wang, Wenjuan Xia, Yijia Yu, Shengjie Liu, Yao Peng, Zhaoqiang Wu* and Hong Chen



6635

Versatile robust organogels based on a low molecular weight gelator of phenylquinolinylacrylonitrile

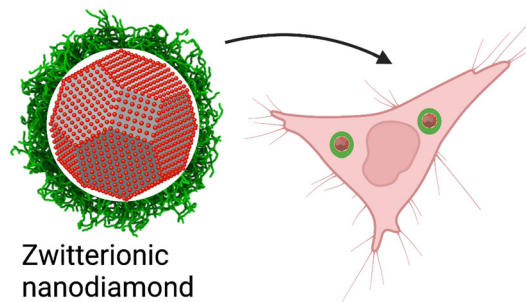
Cheng Liu, Kaiqi Ye,* Huan Xiao, Yuan Yue, Jingbo Sun and Ran Lu*



6642

Intracellular behavior of nanodiamonds functionalized with a zwitterionic shielding moiety

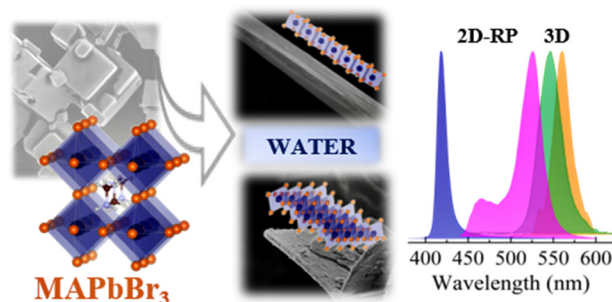
Alina Sigaeva, Viktor Merz, Rokshana Sharmin, Romana Schirhagl* and Anke Krueger*



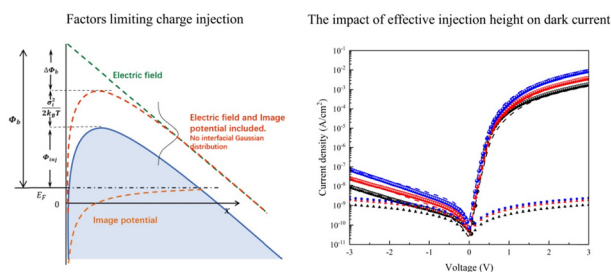
6651

Water-induced dimensionality conversion from 3D perovskites to microwires and 2D hybrid halide perovskites

Andre L. M. Freitas* and Jose A. Souza*



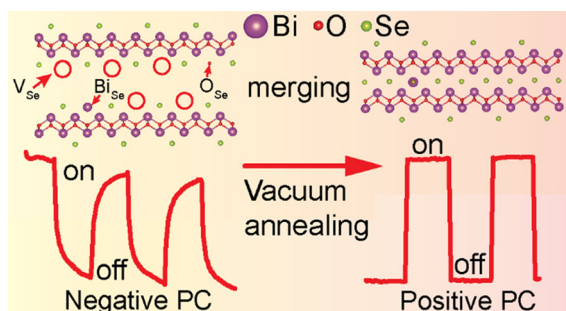
6662



Quantification of an effective charge injection barrier in non-fullerene-based organic photodetectors

Yuting Chen, Jingwen Li[‡], Yuan Xie, Yihui Chen and Hongbin Wu*

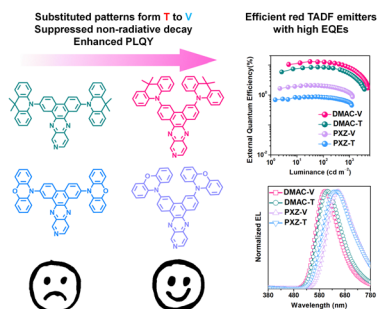
6670



Defect-induced photogating effect and its modulation in ultrathin free-standing Bi₂O₂Se nanosheets with a visible-to-near-infrared photoresponse

Md Tarik Hossain, Tadasha Jena, Subhankar Debnath and P. K. Giri*

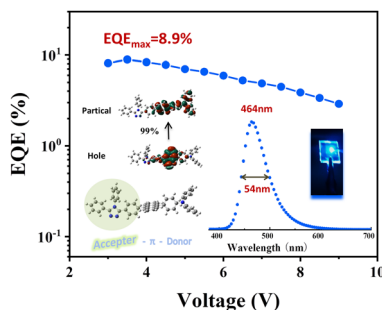
6685



Regio-isomer enabling efficient red TADF emitters based on pyridobenzoquinoxaline

Suraj Kumar Pathak, Ganggang Li, Changjiang Zhou, Zhiming Wang and He Liu*

6695



Efficient blue fluorescent OLEDs based on a D- π -A emitter with the hybridized localized and charge-transfer state

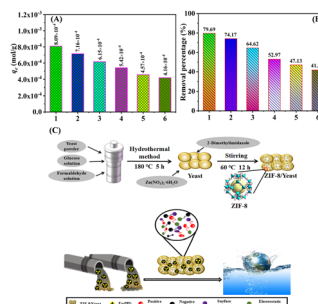
Xin Xia, Wenjuan Cao, Ming Zhang and Feng Li*



6702

Enhanced removal performance and evaluative interaction mechanism of europium from an aqueous medium by microbial yeast-decorated zeolitic imidazolate framework hybrids

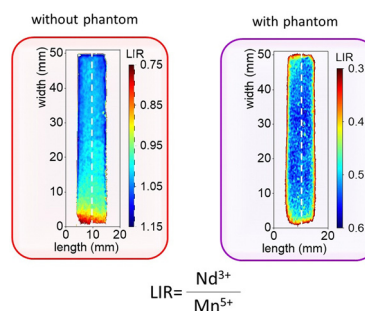
Pengfei Zong,* Xuejuan Xu, Min Shao, Ming Xu, Ning Yan, Shoufang Wang, Jiahao Chen, Yixuan Yang and Zhengrong Qiu



6713

Critical evaluation of the thermometric performance of ratiometric luminescence thermometers based on $\text{Ba}_3(\text{VO}_4)_2\text{:Mn}^{5+}, \text{Nd}^{3+}$ for deep-tissue thermal imaging

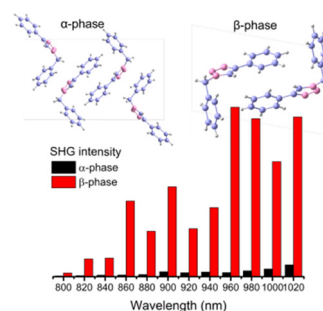
W. M. Piotrowski,* R. Marin, M. Szymczak, E. Martín Rodríguez, D. H. Ortigies, P. Rodríguez-Sevilla, P. Bolek, M. D. Dramićanin, D. Jaque and L. Marciniak*



6724

Second-order nonlinear optical organic crystals based on a “click” compound

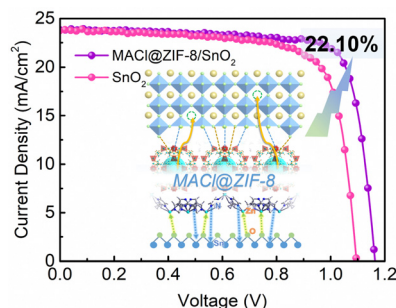
Yongshen Zheng, Junjie Guan, Puxin Cheng, Wenqing Han, Jialiang Xu* and Xian-He Bu



6730

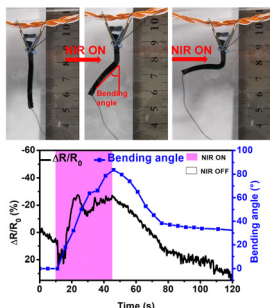
Confinement of MAOI guest in 2D ZIF-8 triggers interface and bulk passivation for efficient and UV-stable perovskite solar cells

Zuoming Jin, Bin Li, Yutian Xu, Boya Zhu, Gaiqin Ding, Yuanqiang Wang, Jingxia Yang, Qinghong Zhang and Yichuan Rui*



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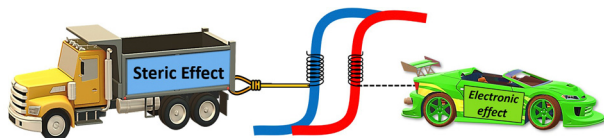
6741



NIR responsive and conductive PNIPAM/PANI nanocomposite hydrogels with high stretchability for self-sensing actuators

Changhao Qian, Yueqin Li,* Lingke Liu, Chen Chen and Lin Han

6750



Competitive electronic and steric effects in the spin-state modulation of a 3D-Hofmann framework and its extension towards the nanoscale

Dibya Jyoti Mondal, Bhart Kumar, Abhik Paul and Sanjit Konar*

CORRECTIONS

6760

Correction: Antimony doped tin(IV) hybrid metal halides with high-efficiency tunable emission, WLED and information encryption

Wenchao Lin, Qilin Wei, Tao Huang, Xianfu Meng, Ye Tian, Hui Peng* and Bingsuo Zou*

6761

Correction: Solar-assisted all-solid supercapacitors using composite nanostructures of ZnO nanowires with GO and rGO

Cigdem Tuc Altaf, Arpad Mihai Rostas, Maria Mihet, Mihaela Diana Lazar, Igor Iatsunskyi, Emerson Coy, Emre Erdem, Mehmet Sankir* and Nurdan Demirci Sankir*

