Journal of Materials Chemistry C

Materials for optical, magnetic and electronic devices

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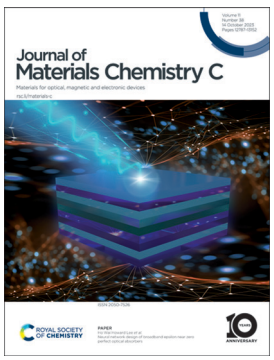

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PROFILE

Journal of Materials Chemistry C
2023 Emerging Investigators

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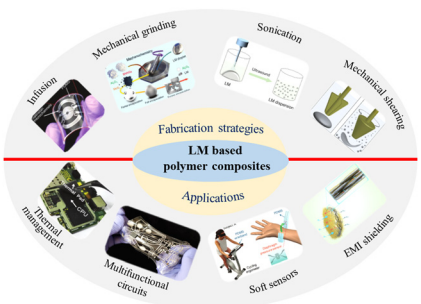

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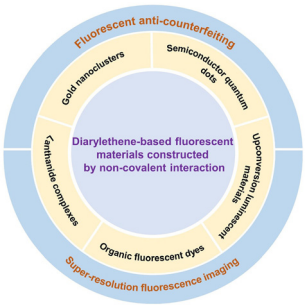

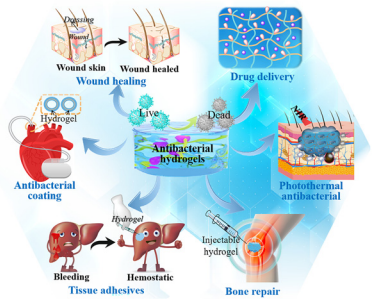

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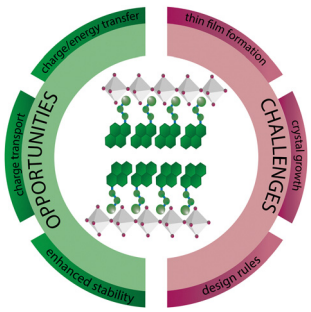

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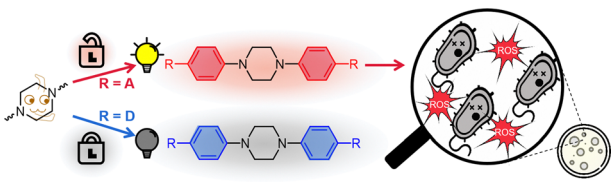

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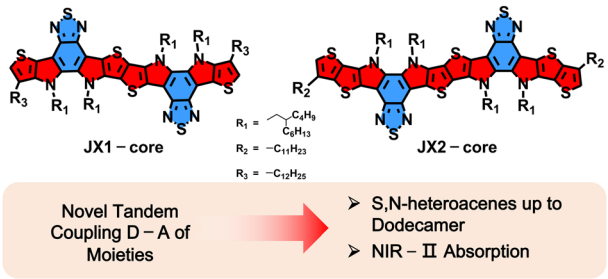

A narrow-bandgap non-fullerene acceptor constructed with an S,N-heteroacene up to a dodecamer in size

Jiaxin Guo, Xinyuan Jia, Xiangjian Cao, Tengfei He, Huazhe Liang, Wendi Shi, Zheng Xu, Ruohan Wang, Yaxiao Guo,* Zhaoyang Yao,* Xiangjian Wan, Guankui Long, Chenxi Li and Yongsheng Chen*

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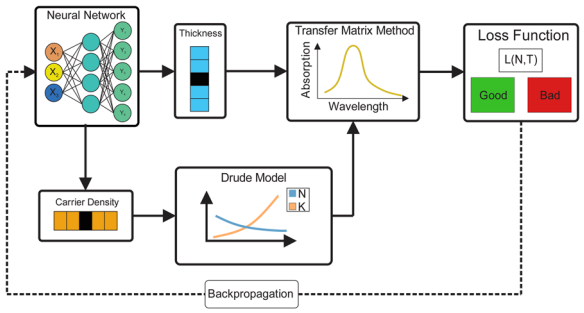
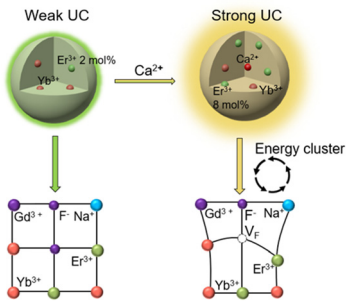


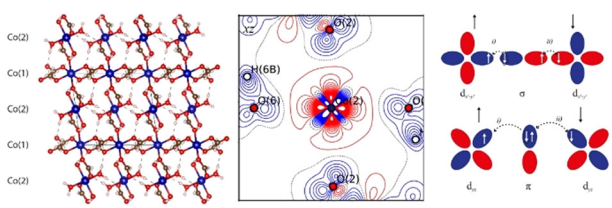
Neural network design of broadband epsilon near zero perfect optical absorbers

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



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*



Elucidating the superexchange mechanisms in magnetic coordination polymer $[Co(HCOO)_2(H_2O)_2]_\infty$ through chemical bonding analysis

Thomas Bjørn Egede Grønbech, Lennard Krause, Davide Ceresoli* and Bo Brummerstedt Iversen*

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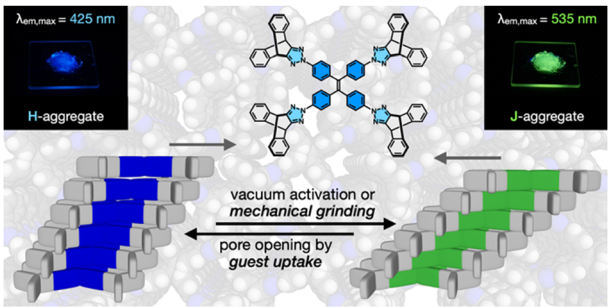

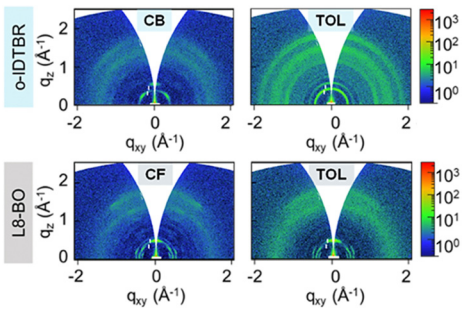

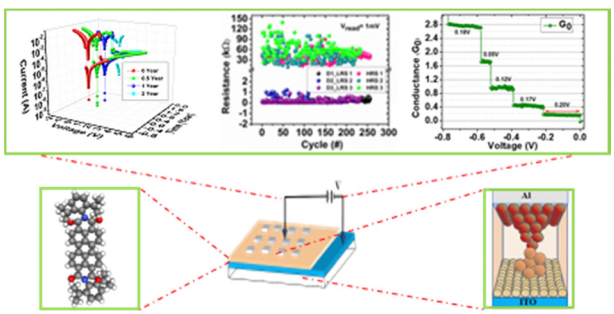

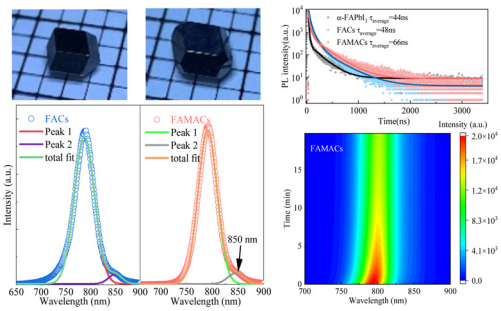

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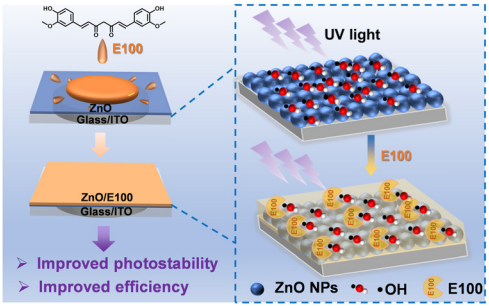

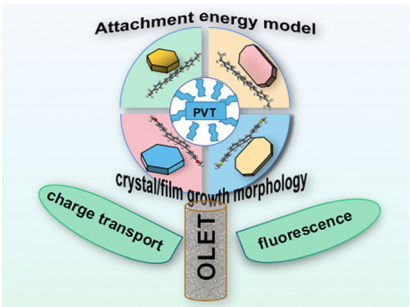

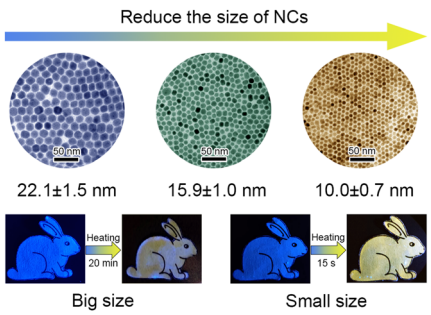

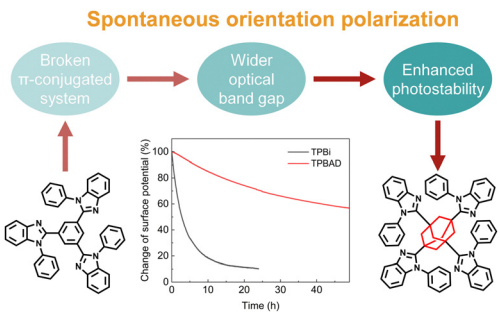

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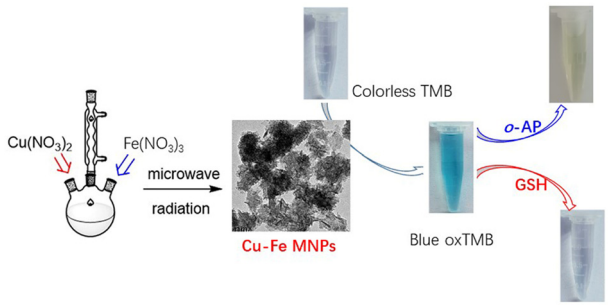

Peroxidase-like Cu–Fe bimetal oxide mesoporous nanospheres identified for the efficient recognition of toxic *o*-aminophenol and bioactive glutathione

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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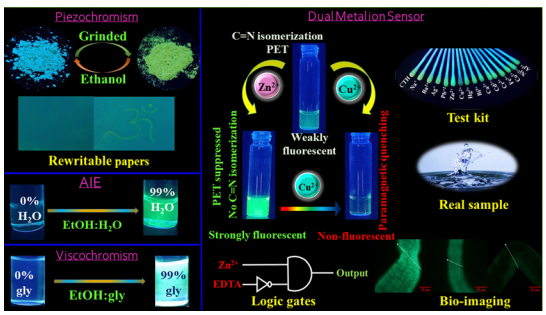

A multifunctional coumarin-based probe for distinguishable detection of Cu^{2+} and Zn^{2+}: its piezochromic, viscochromic and AIE behavior with real sample analysis and bio-imaging applications

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

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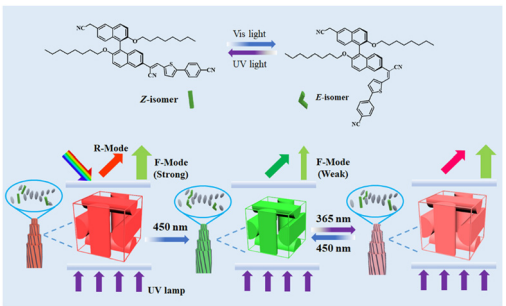

Simultaneous optical tuning of reflection and fluorescence in a self-organized simple 3D cubic structure by α-cyanodiarylethene-based chiral fluorescence photoswitches

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

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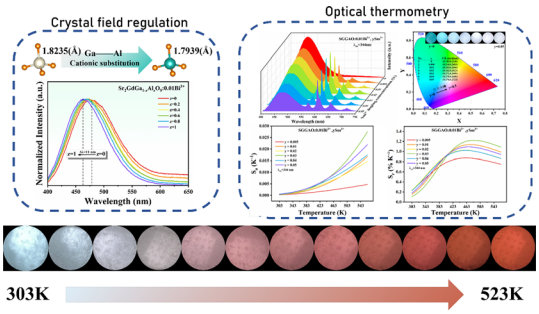

Multicolor tunable Bi^{3+},Sm^{3+} co-doped Sr_2GdGaO_5 phosphor and its application in optical thermometry

Kangrui Qiang, Yingqiang Yu, Yulong Ye, Liang Liang, Qinan Mao, Yang Ding, Yiwen Zhu, Meijiao Liu and Jiasong Zhong*

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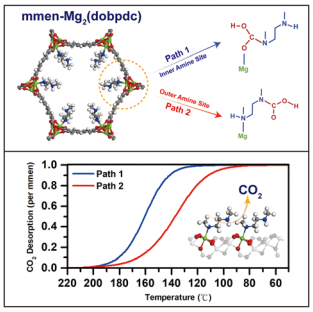

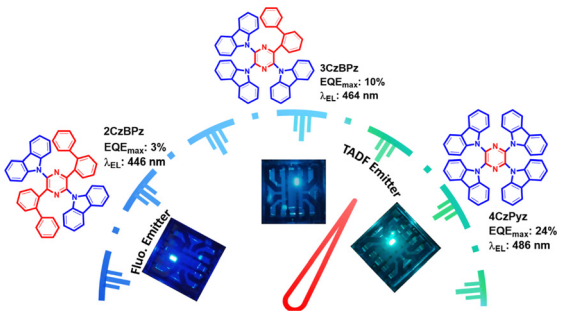

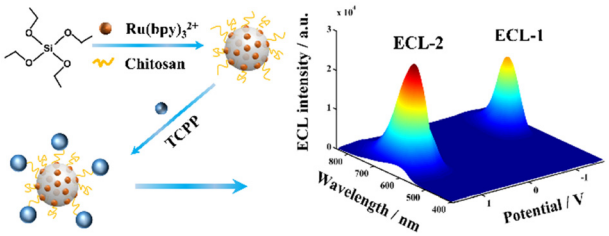

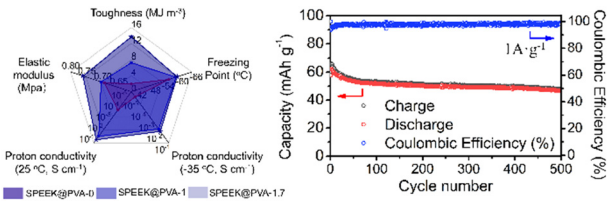

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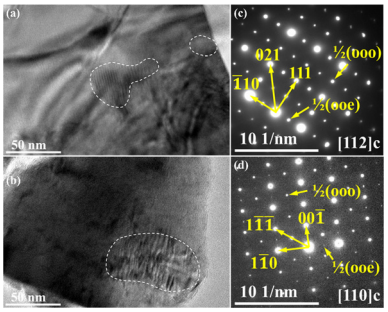

Energy storage performance of $NaNbO_3$ lead-free dielectric ceramics by doping $Sr(Mg_{1/3}Sb_{2/3})O_3$

Qinpeng Dong, Peng Nong, Yue Pan, Dafu Zeng, Mingzhao Xu, Huanfu Zhou, Xu Li* and Xiuli Chen*

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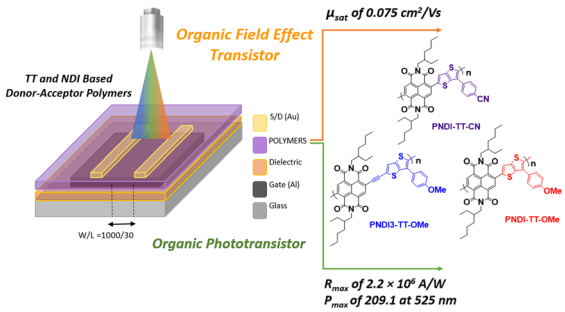

Synthesis and characterization of naphthalenediimide-thienothiophene-conjugated polymers for OFET and OPT applications

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

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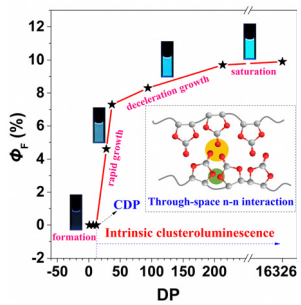

Polymerization-induced clusteroluminescence of poly(cyclic carbonate)s

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*