#### Journal of Materials Chemistry C

Materials for optical, magnetic and electronic devices

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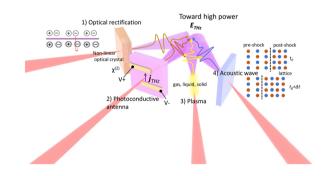
See Abderrazzak Douhal et al., pp. 9112-9129. Image reproduced by permission of Abderrazzak Douhal from J. Mater. Chem. C, 2024, 12, 9112.

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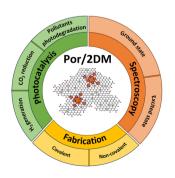
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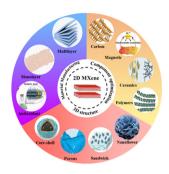
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#### **REVIEWS**

A review on MXene-based microwave absorption composites: engineering, component optimization and structure regulation

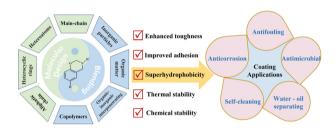
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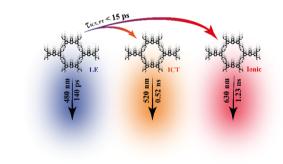


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Unravelling the photobehavior of a 2,1,3benzothiadiazole-based HOF and its molecular units: experimental and theoretical insights into their spectroscopic properties in solution and in the solid state

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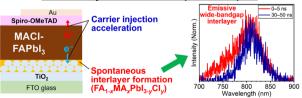


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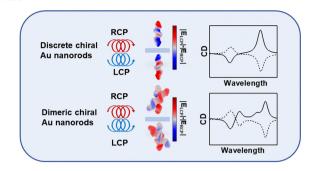
Unveiled effects of the methylammonium chloride additive on formamidinium lead halide: expediting carrier injection from the photoabsorber to carrier transport layers through spontaneously modulated heterointerfaces in perovskite solar cells

Naoyuki Nishimura,\* Ranjan Kumar Behera, Ryuzi Katoh, Hiroyuki Kanda, Takurou N. Murakami and Hiroyuki Matsuzaki\*

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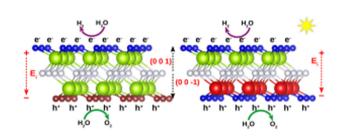
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#### Discrete and dimeric chiral plasmonic nanorods: intrinsic chirality and extrinsic chirality

Weiwei Fu, Jiagi Chen, Shunping Zhang, Guangchao Zheng\* and Yuan Zhang\*

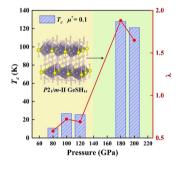
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#### Computational study based prediction of new photocatalysts for water splitting by systematic manipulation of MXene surfaces

Swati Shaw\* and Subhradip Ghosh\*

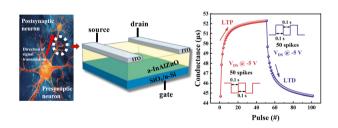
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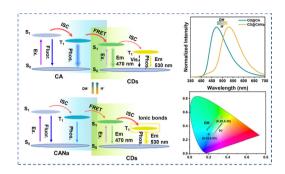
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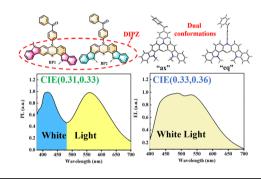
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#### Enhanced ion transport in ultrathin regenerated cellulose supercapacitor separators

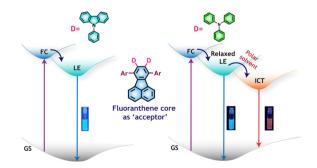
Haocun Huang, Hongqin Wu, Xiao Zhang, Huilin Dong, Sheng Chen, Yanglei Xu\* and Feng Xu\*

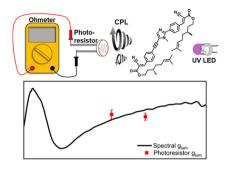


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#### Deciphering intramolecular charge transfer in fluoranthene derivatives

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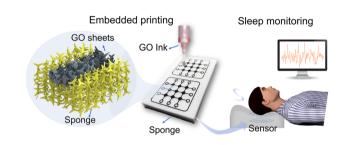




#### Strong chiroptical properties from thin films of chiral imidazole derivatives allowing for easy detection of circularly polarized luminescence

Andrea Taddeucci, Caterina Campinoti, Francesca Sardelli, Gennaro Pescitelli, Lorenzo Di Bari, Marco Lessi\* and Francesco Zinna\*

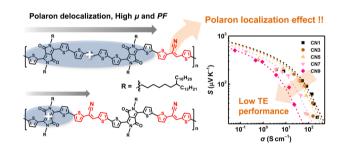
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#### Embedded printing of graphene sponge sensors for sleep monitoring

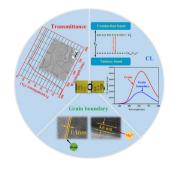
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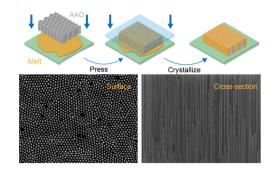
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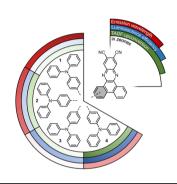
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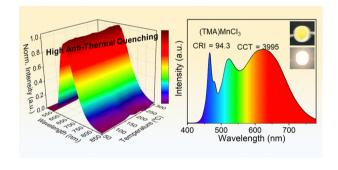
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Near-unity PLQY and high anti-thermal quenching red luminescence from one-dimensional hybrid manganese chloride for efficient and stable white light-emitting diodes

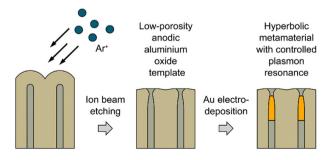
Binbin Su,\* Maxim S. Molokeev, Ran Chen and Tao Zhang

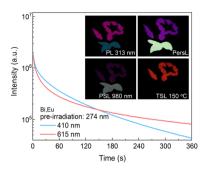


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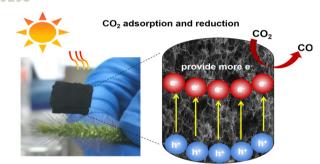




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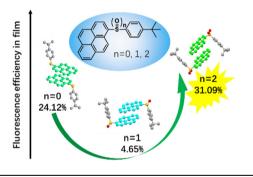
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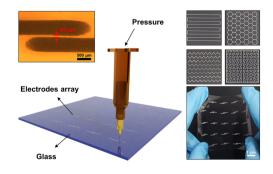
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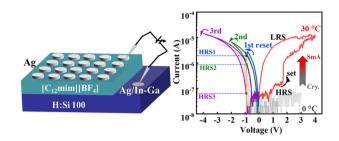
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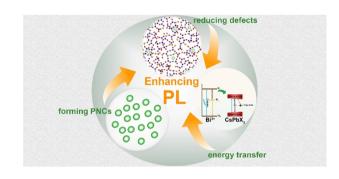
Near room temperature multilevel resistive switching memory with thin film ionic liquid crystals

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Enhanced optical properties of CsPbX<sub>3</sub> (X = Cl, Br, and I) perovskite nanocrystal glasses through bismuth doping for light-emitting applications

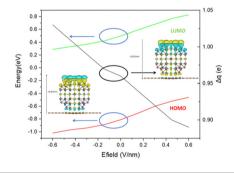
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A first-principles study of optoelectronic properties and electric field modulation in PbS quantum dot/ graphene hybrid systems

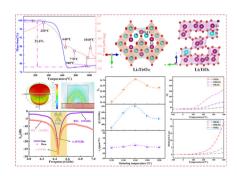
YuXuan Du, ZhuoMan Wang, Chao Wu, JiJie Zhao, Shuai Wen, Shengyong Wang and Huan Liu\*



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Temperature-stable Li<sub>4</sub>Ti<sub>3</sub>O<sub>8</sub> composite microwave dielectric ceramics and their applications in dielectric resonator antennas

Linzhao Ma, Chao Zhang, Zitong Zhao, Guo Tian, Gaosheng Li\* and Hao Li\*

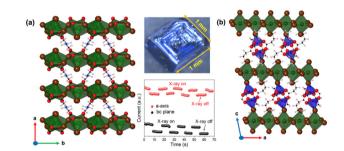


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Tong Zhou, Shi Hu, Wenhui Ji, Yunqing Liu, Rui Zhang, Huanzhuan Liu, Feng Wang, Jingyu Zhu, Chao Tao, Baoli Zha, Jiansheng Wu\* and Fengwei Huo

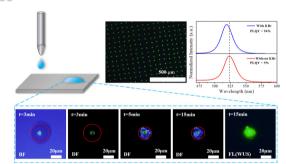
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Kanika Parashar, Zheng Zhang, Volodymyr Buturlim, Jie Jiang, Alexander Roseborough, May Nyman, Krzysztof Gofryk, Ruth Pachter and Bayram Saparov\*

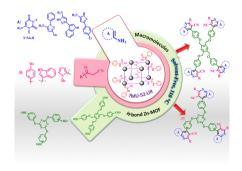
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## Highly efficient and stable Cs<sub>4</sub>PbBr<sub>6</sub>@KBr color conversion films constructed through inkjet printing technology

Yue Zhai, Kecheng Dai, Tongtong Xuan, Wenhao Bai, Shuchen Shi, Hong Zhang, Rongjun Xie\* and Le Wang\*

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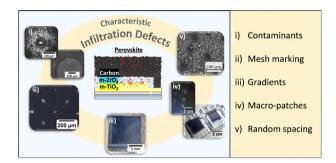
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Elham Tavakoli, Hassan Sepehrmansourie, Mahmoud Zarei,\* Mohammad Ali Zolfigol,\* Ardeshir Khazaei, Abdolmajid Mohammadzadeh and Elaheh Ghytasranjbar

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C. A. Worsley,\* T. Dunlop, S. J. Potts, R. Bolton, E. Jewell and T. M. Watson\*



#### CORRECTION

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Correction: Time-dependent phosphorescence color of carbon dots in boric acid matrix for dynamic information encryption

Xiaopeng Wang, Shixin Xie, Liangliang Tao, Mengting Ouyang and Xiangying Sun\*