

Journal of Materials Chemistry C

Materials for optical, magnetic and electronic devices

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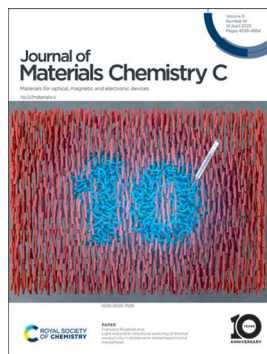
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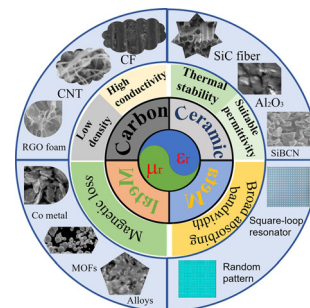
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High temperature microwave absorbing materials

Qianshan Xia,* Zhao Han, Zhichun Zhang, Zhiyuan Huang, Xuetao Wang, Jing Chang,* Qingguo Chen and Minghua Chen*

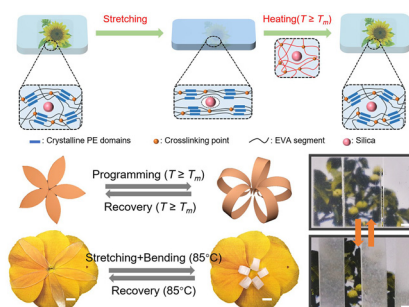


COMMUNICATION

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Dual manipulation of light and shape based on nanoparticle-induced shape memory composites

Mingxia Liu, Mingyang Fan, Shu Zhu, Weiping Liu, Lili Yang* and Dengteng Ge



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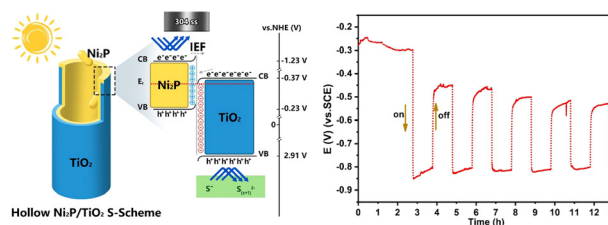
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Designed a hollow Ni₂P/TiO₂ S-scheme heterojunction for remarkably enhanced photoelectric effect for solar energy harvesting and conversion

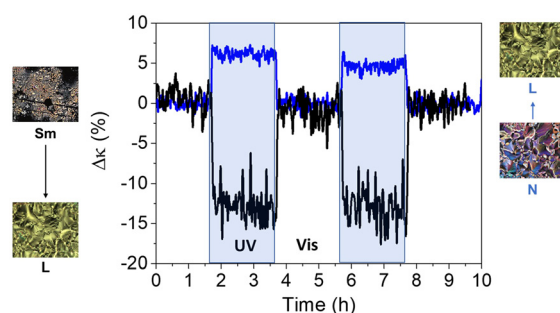
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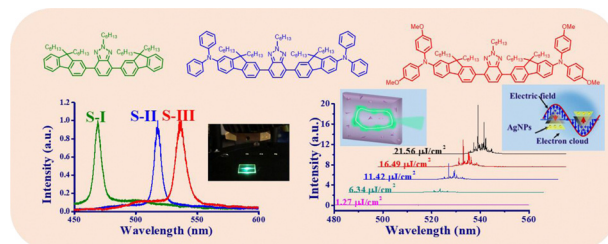
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Plasmonic random lasing and amplified spontaneous emission from donor–acceptor–donor dyes covered biocompatible silk fibroin film

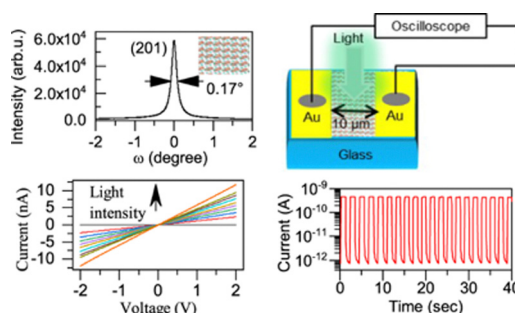
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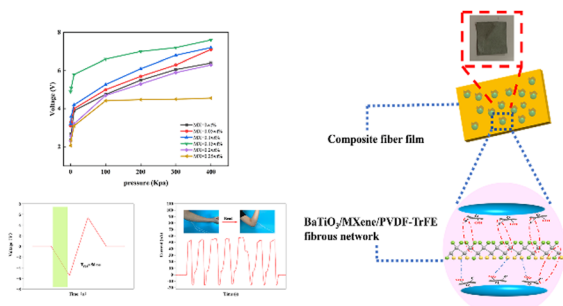
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Chemical vapor deposition growth and photodetector performance of lead-free all-inorganic crystalline Cs₃Sb₂X₉ (X = I, Br) perovskite thin films

Sujit Kumer Shil,* Fei Wang, Kingsley O. Egbo, Ying Wang, Cheuk Kai Gary Kwok, Sai-W. Tsang, Johnny C. Ho and Kin Man Yu*



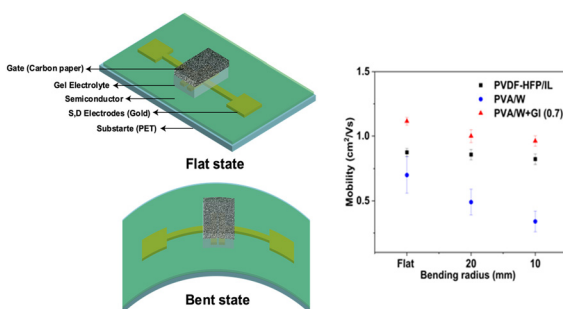
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BaTiO₃/MXene/PVDF-TrFE composite films via an electrospinning method for flexible piezoelectric pressure sensors

Xingmin Liu,* Jinling Tong, Jijie Wang,* Shaowei Lu,* Dongxu Yang, Hongmei Li, Chunzhong Liu and Yutong Song

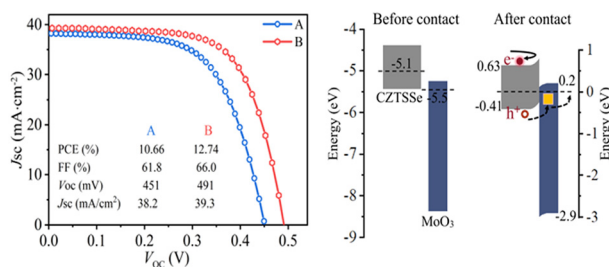
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Electrical and mechanical stability of flexible, organic electrolyte-gated transistors based on iongel and hydrogels

Mona Azimi, Arunprabakaran Subramanian, Jiaxin Fan, Francesca Soavi and Fabio Cicoira*

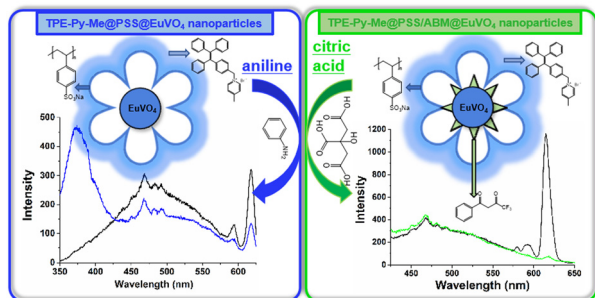
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Modification of back interfacial contact with MoO₃ layer *in situ* introduced by Na₂S aqueous solution for efficient kesterite CZTSSe solar cells

Yue Jian, Tianliang Xie, Litao Han,* Dongxing Kou, Wenhui Zhou, Zhengji Zhou, Shengjie Yuan, Yuen Meng, Yafang Qi and Sixin Wu*

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Regulating the luminescence of tetraphenylethene (TPE)-based lanthanide nanoparticles in the presence of organic amines/acids

Zhengyu Zhang, Jicao Han, Dongdong Liu and Xi Wang*

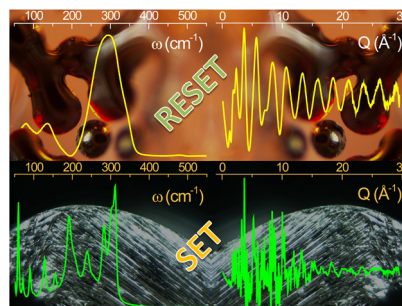


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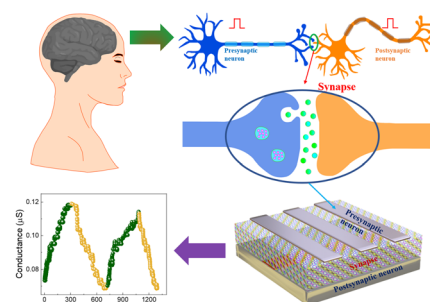
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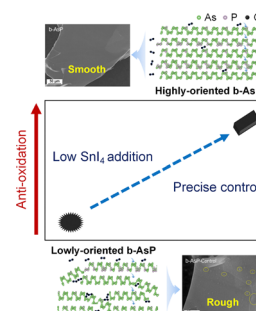
Atanu Betal, Jayanta Bera and Satyajit Sahu*



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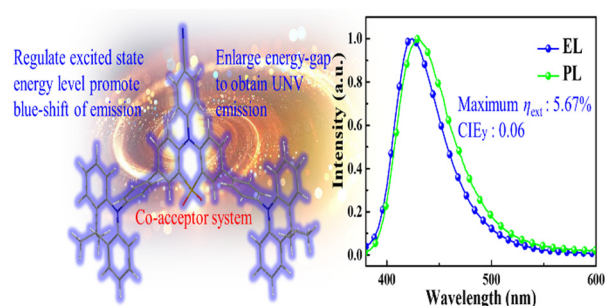
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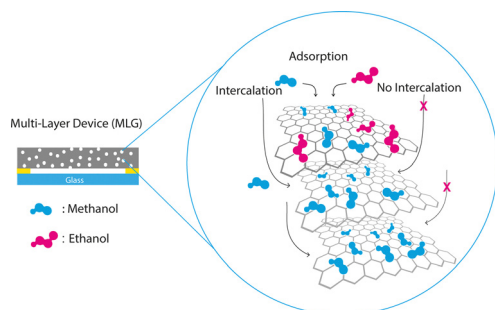
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Yuling Sun, Daokun Zhong, Siqi Liu, Ling Yue, Zhao Feng, Xuming Deng, Xi Chen, Xiaolong Yang and Guijiang Zhou*



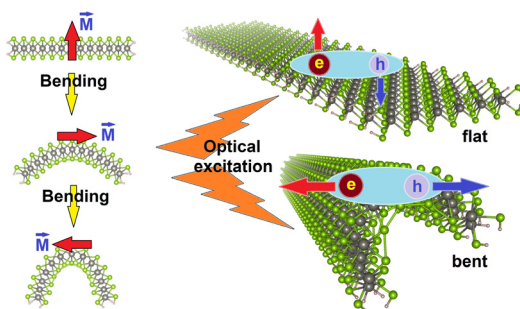
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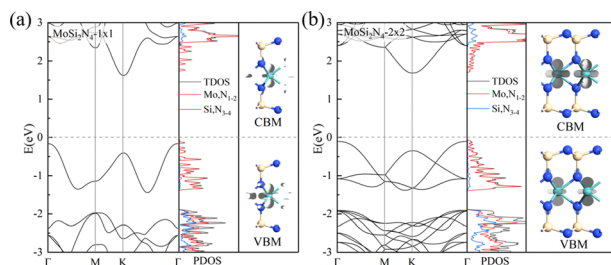
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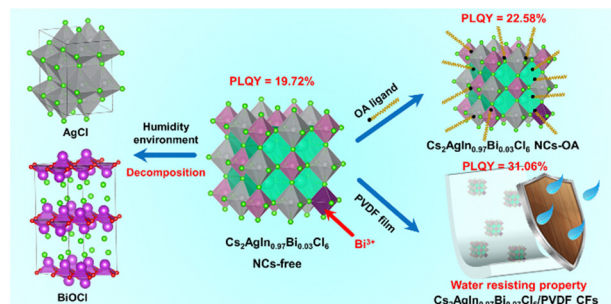
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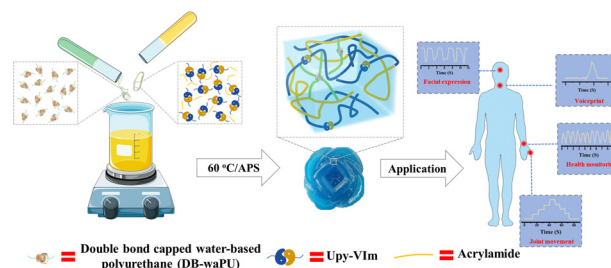
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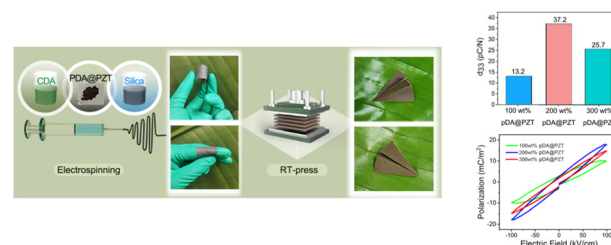
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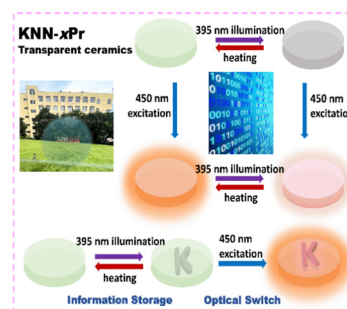
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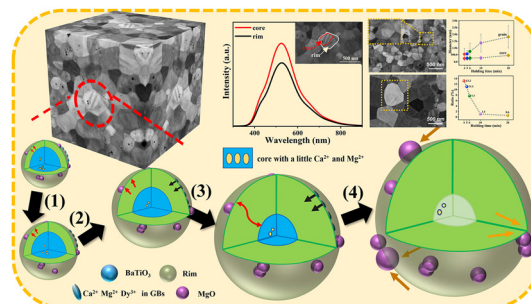
Yaqi Wang, Pengkun Guo, Yanan Wang, Nengmeng Huo, Ruyi Sun, Yongcheng Zhang, Jun-Cheng Zhang and Yalin Qin*



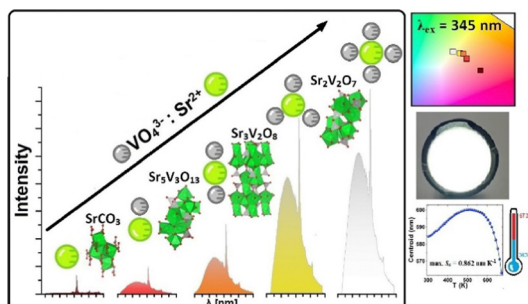
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Core-rim structure evolution and electric properties of Ca-Mg-Dy-co-doped BaTiO₃ ceramics

Jiayan Huang, Ran Chen, Juanjuan Xing,* Faqiang Zhang,* Ying Jiang, Yan Gu and Hui Gu



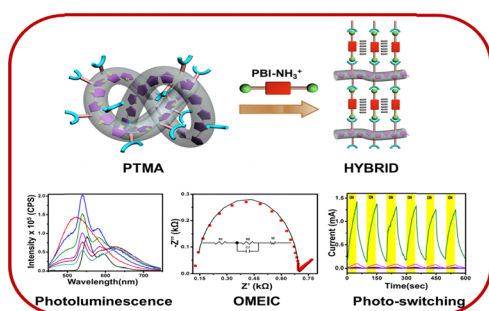
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Przemysław Woźny,* Kevin Soler-Carracedo, Natalia Stopikowska, Inocencio R. Martin and Marcin Runowski

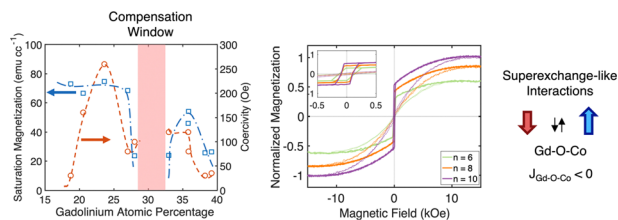
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Polythiophene-*g*-poly(methacrylic acid) and perylene diimide appended peptide conjugates with tuneable photoluminescence, OMEIC, and photo-switching properties

Soumyajit Hazra, Radhakanta Ghosh, Arnab Palui, Aswini Ghosh, Arindam Banerjee* and Arun K. Nandi*

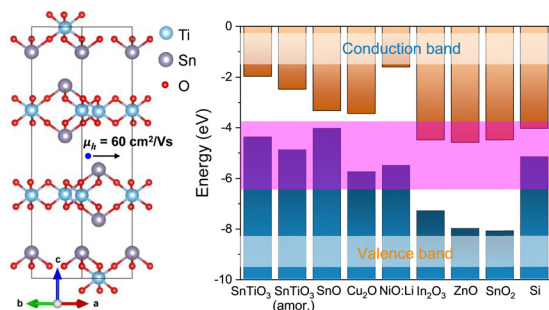
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Engineering large perpendicular magnetic anisotropy in amorphous ferrimagnetic gadolinium cobalt alloys

Karthik Srinivasan,* Yulan Chen, Ludovico Cestarollo, Darrah K. Dare, John G. Wright and Amal El-Ghazaly*

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Ilmenite and amorphous SnTiO₃ as p-type oxide semiconductors

Yaoqiao Hu, Darrell Schlom, Suman Datta and Kyeongjae Cho*

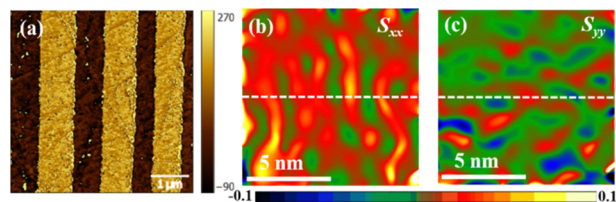


PAPERS

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Effect of composition gradient on domain structure and piezoelectric properties in Mn-doped KNN single crystals

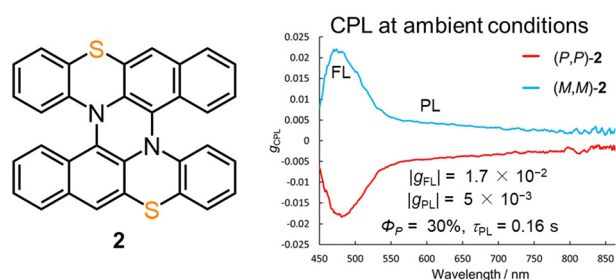
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A double heterohelicene composed of two benzo[b]phenothiazine exhibiting intense room-temperature circularly polarized phosphorescence

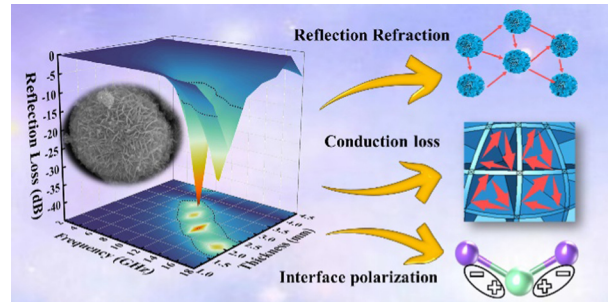
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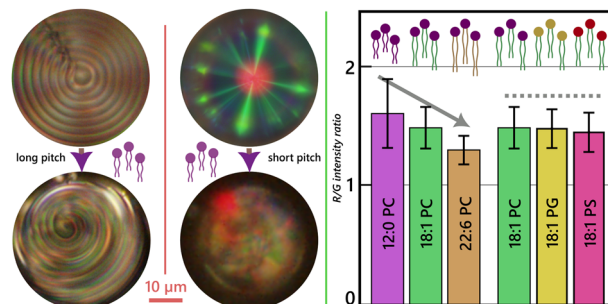
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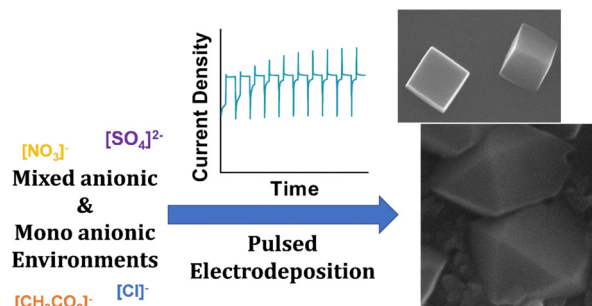
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Heads or tails: investigating the effects of amphiphile features on the distortion of chiral nematic liquid crystal droplets

Lawrence W. Honaker, Jorik Schaap, Dennis Kenbeek, Ernst Miltenburg and Siddharth Deshpande*



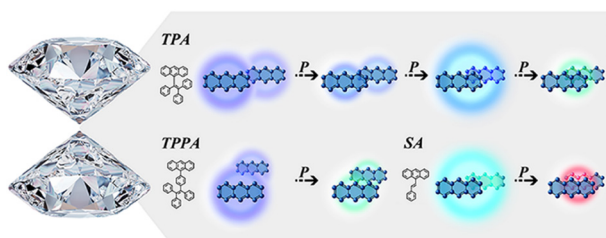
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Environment effects upon electrodeposition of thin film copper oxide nanomaterials

Mark A. Buckingham,* Weichen Xiao, Brendan Ward-O'Brien, Kathryn Yearsley, Usama Zulfiqar, Ben F. Spencer, Allan Matthews* and David J. Lewis*

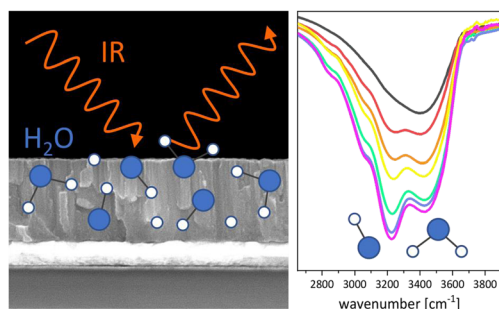
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Piezochromic fluorescence of anthracene derivative crystals with different stacking patterns designed around excimers

Yuxiang Dai, Haichao Liu, Ting Geng, Ruijie Duan, Xiaoming Li, Yongli Liu, Wengang Liu, Ben-Guo He, Laizhi Sui,* Kai Wang,* Bo Zou, Bing Yang* and Yang Qi*

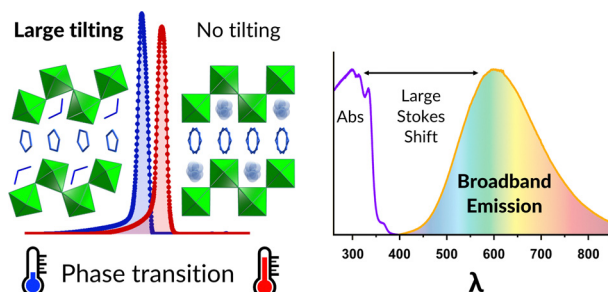
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Humidity-driven degradation of sputtered molybdenum oxide and molybdenum–titanium-oxide thin films

Selina Goetz,* Stefan Edinger, Christian Linke, Enrico Franzke, Jörg Winkler, Markus Valtiner and Theodoros Dimopoulos*

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Broadband yellow and white emission from large octahedral tilting in (110)-oriented layered perovskites: imidazolium-methylhydrazinium lead halides

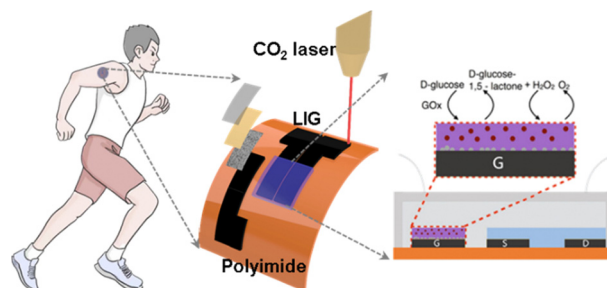
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A laser-induced graphene-based flexible and all-carbon organic electrochemical transistor

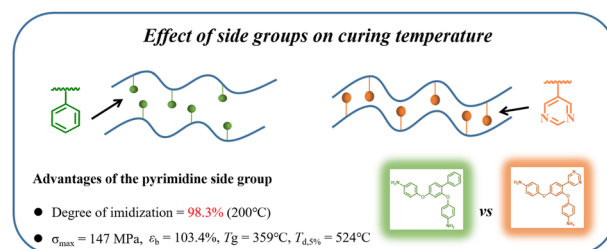
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Constructing high-performance low-temperature curable PI materials by manipulating the side group effects of diamine

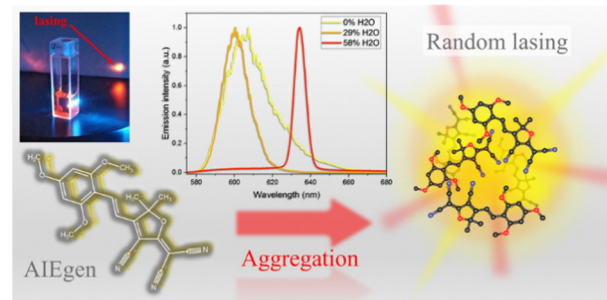
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Kamila Lupinska,* Martyna Durko-Maciag, Chantal Andraud, Yann Bretonnière, Piotr Hanczyc, Piotr Fita, Piotr Szulim, Jaroslaw Mysliwiec and Lech Sznitko*



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Rare earth halide double perovskites for high-performance resistive random access memory

Tong Tong, Chang Liu, Jing Xu, Huihua Min,* Su Chen, Yinong Lyu* and Chongguang Lyu*

