

Journal of Materials Chemistry C

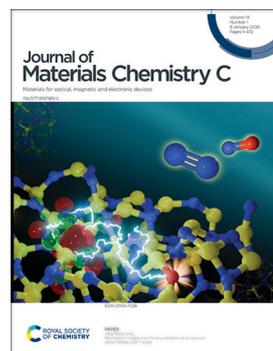
Materials for optical, magnetic and electronic devices

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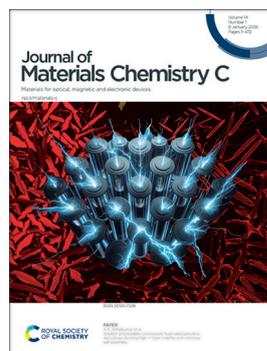
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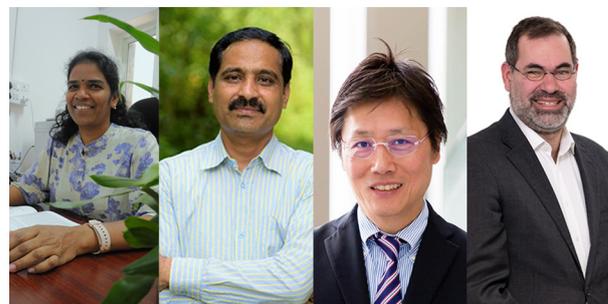
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EDITORIAL

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Perspectives on OLED Technology

Chihaya Adachi,* Subrata Ghosh,* P. Rajamalli* and Eli Zysman-Colman*

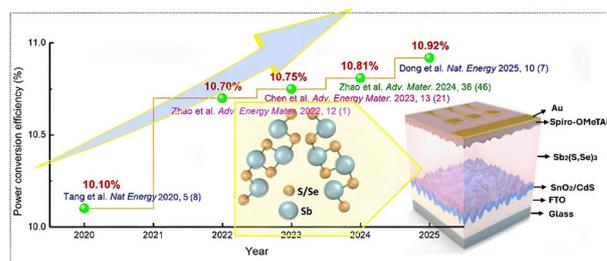


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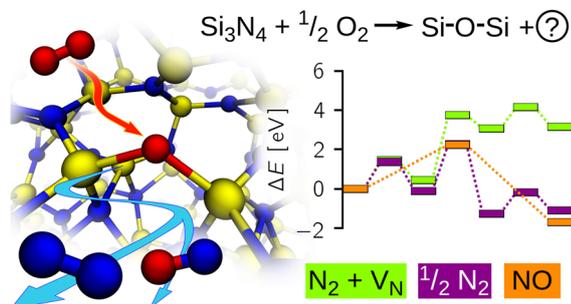
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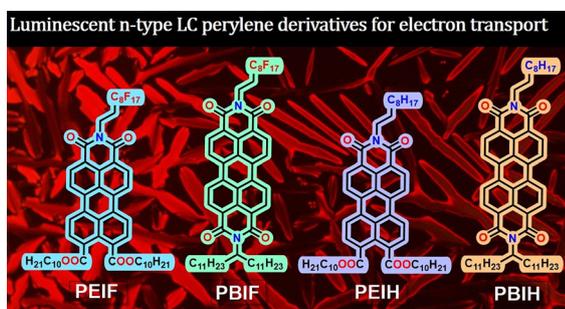
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Mechanistic insights into the dry oxidation of amorphous silicon nitride: a DFT study

Lukas Hückmann, Robert Sylvia, Floris Blankenvoorde, Jonathon Cottom and Jörg Meyer*

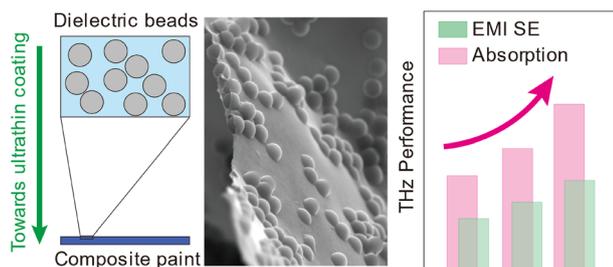
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Solution processable luminescent fluorinated perylene derivatives showing high n-type mobility and columnar self-assembly

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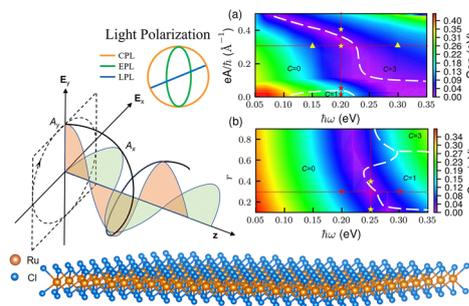
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Dielectric microbead-decorated conductive polymer composites towards ultrathin high-performance terahertz absorbing coatings

Xiao Sun, Wenqian Li, Chaoyang Kuang,* Tianlong Wen, Qiye Wen* and Shangzhi Chen*

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Floquet engineering of topological phase transitions in intrinsic ferrovalley semiconductor *via* circularly and elliptically polarized light

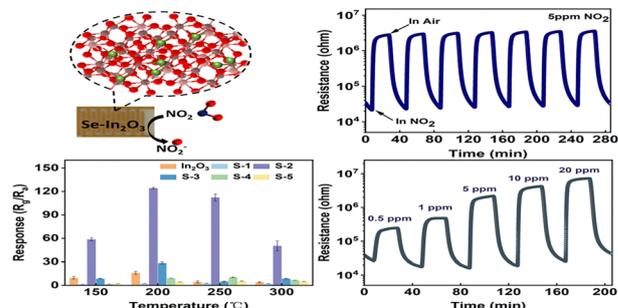
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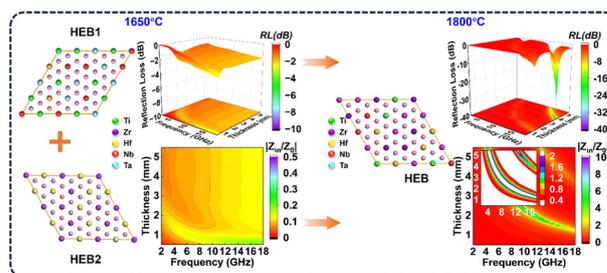
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Xi Yang* and Guoqiang Li*



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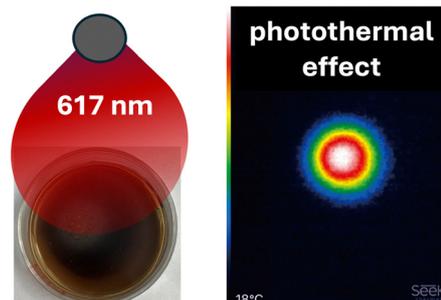
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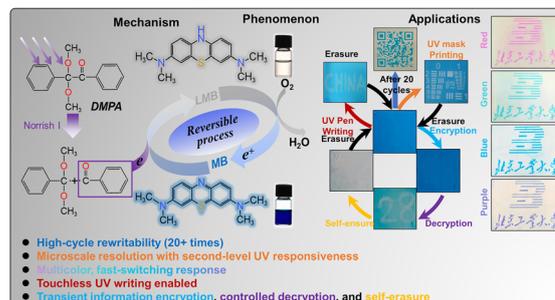
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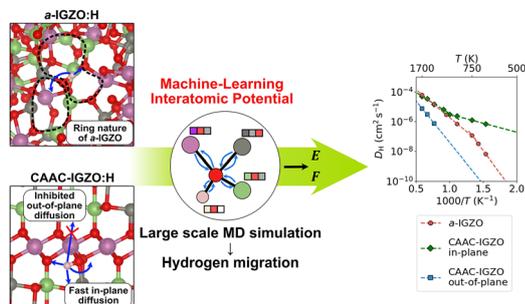
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Light-induced color changing of redox dyes assisted by a photoinitiator for information encryption on hydrogel paper

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Yiwei Zhang, Yulan Fu, Xiaohui Fang, Jinxin Guo* and
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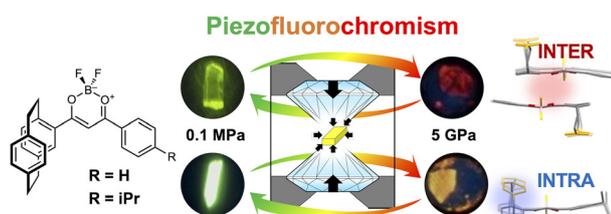
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Atomistic insights into hydrogen migration in IGZO from machine-learning interatomic potential: linking atomic diffusion to device performance

Hyunsung Cho, Minseok Moon, Jaehoon Kim, Eunkyung Koh, Hyeon-Deuk Kim, Rokyeon Kim, Gyeheun Park, Seungwu Han and Youngho Kang*

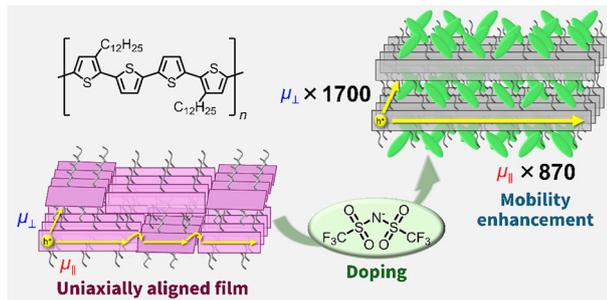
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The role of a [2.2]paracyclophane moiety in piezofluorochromism of crystalline organoboron complexes

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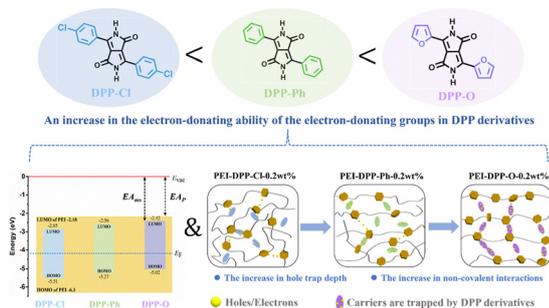
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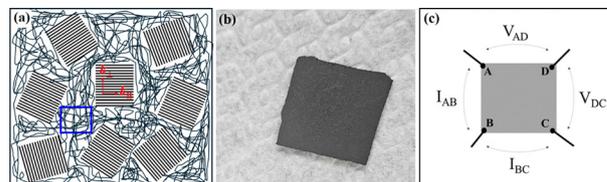
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Incorporation of Al³⁺ into turbostratic graphite: an efficient route toward improved thermal and electrical conductivity

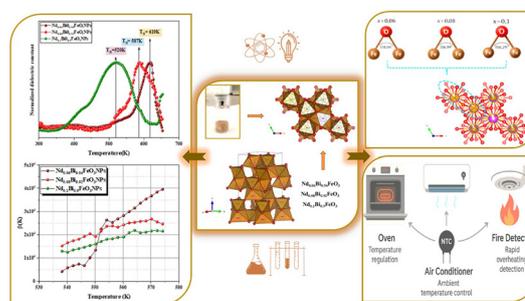
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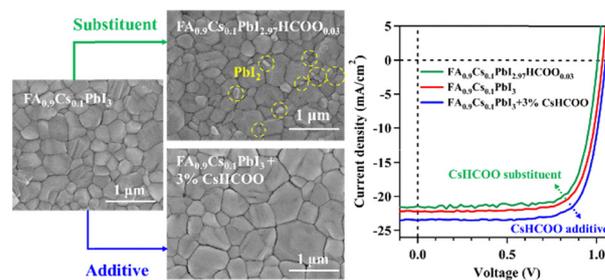
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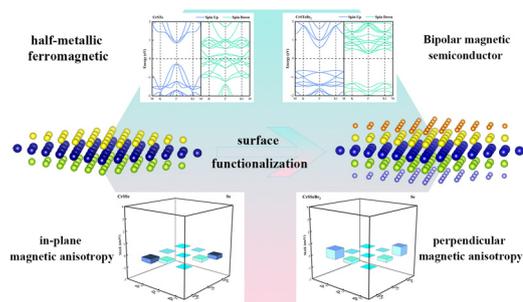
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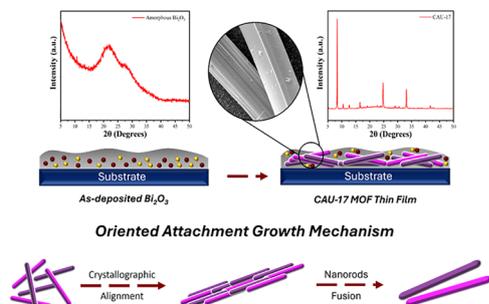
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Halogen functionalization-induced modulation of ferromagnetism and electronic phases in CrXY monolayers

Xiaolong He, Dongni Wu, Yangfang Liao and Jing Xie*



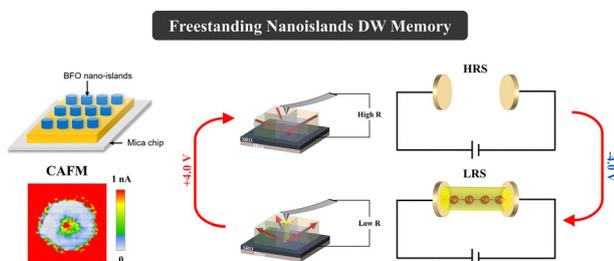
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A controlled growth strategy for CAU-17 MOF thin films *via* two-step synthesis

Muhammad Zain Azeem, Khaled Hassanein,*
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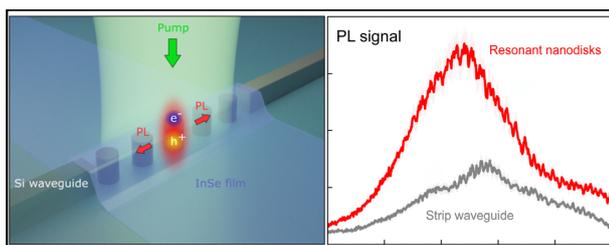
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Construction of ferroelectric topological domains in freestanding epitaxial BiFeO₃ nanostructures

Jun Jin, Houlin Zhou, Yuyin Yang, Jiaqi Zhang,
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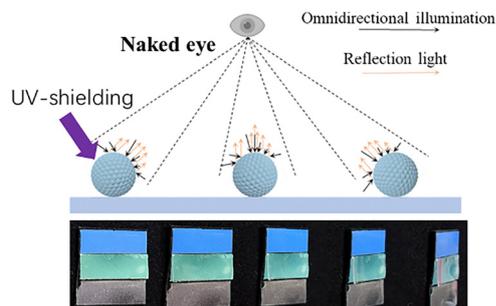
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Mie-resonant silicon waveguide for efficient coupling with excitonic emitters in InSe

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Alexander S. Shorokhov and Andrey A. Fedyanin*

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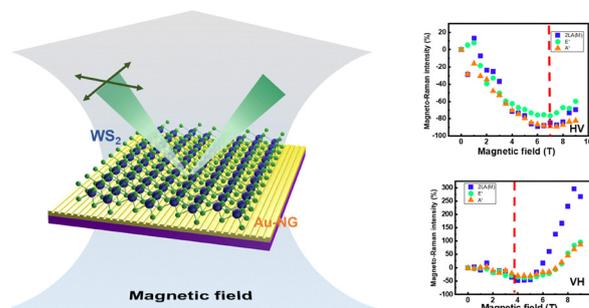
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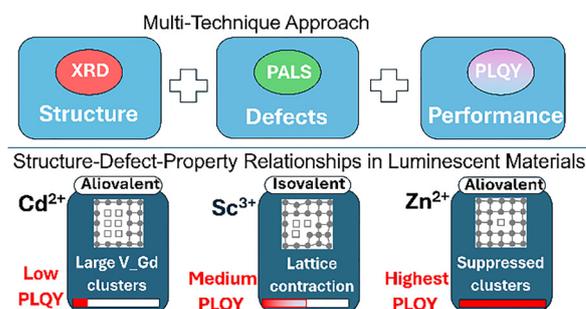
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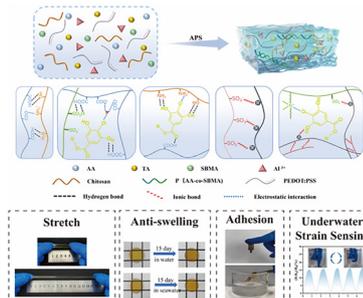
Ahmed G. Attallah,* Arzu Cosgun Ergene, Eric Hirschmann, Maik Butterling, Dmitry Busko, Aditya Chauhan, Bryce S. Richards and Andrey Turshatov*



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A multifunctional anti-swelling hydrogel with high stretchability and adhesion for wearable flexible sensors

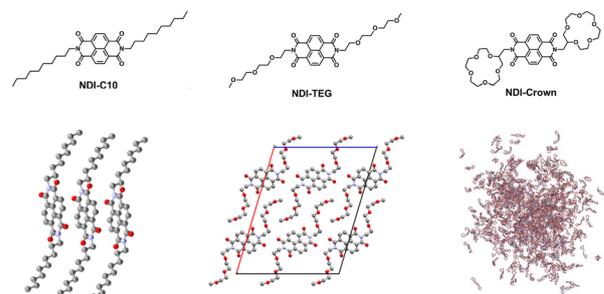
Qingyu Han, Manzhou Li, Chi Liu, Ying Qu, Surui Li and Shuang Guan*



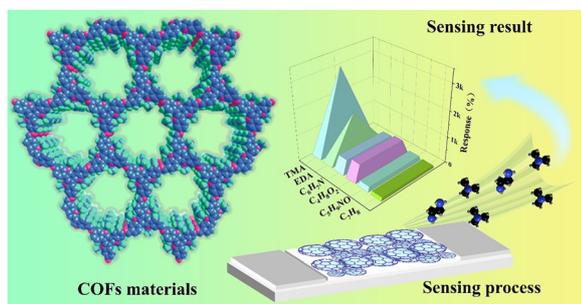
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Disclosing the molecular structure and dynamics of naphthalene diimide based organic semiconductors in the solid state

Marco Severi,* Simiao Yu, Isaac Abrahams, Christian B. Nielsen* and Daniele Fazzi*



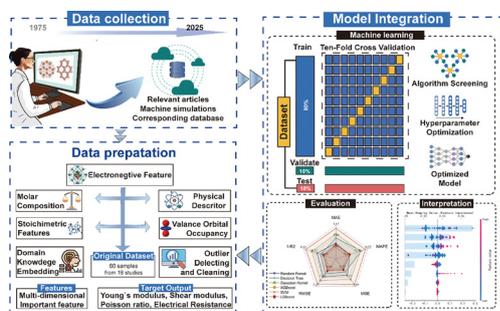
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Room-temperature ultra-sensitive trimethylamine and ethylenediamine assays for fish freshness detection based on an imine-covalent organic framework

Weiyu Zhang, Qihua Sun, Ping Hu, Ning Tian and Zhaofeng Wu*

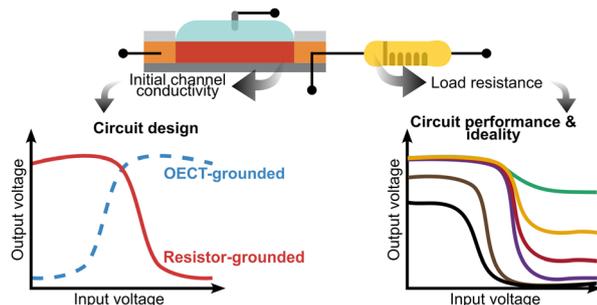
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Prediction of the elastic properties and electrical resistance of halide glass based on interpretable machine learning

Jiayang Zhou and Xiangfu Wang*

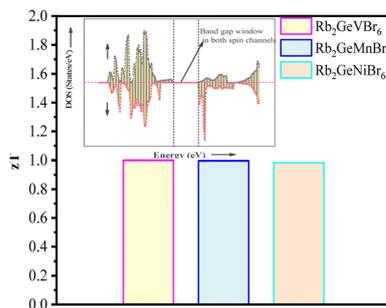
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An unbalanced load resistor for ideal logic levels and maximum gain in organic electrochemical transistor-based unipolar inverters

Marcos Luginieski,* Bruno Bassi Millan Torres, Bianca de Andrade Feitosa, Gerwin Dijk, Alberto Salles and Gregório Couto Faria*

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Spin exchange, electronic correlation, and thermoelectric transport in $\text{Rb}_2\text{GeMBr}_6$ ($M = \text{V}, \text{Mn}, \text{Ni}$) halide double perovskites from first principles calculations

Mudasir Younis Sofi,* Mohd. Shahid Khan and M. Ajmal Khan*



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Correction: Work function modulated water-soluble anode interlayer with copper-ion doping for precise signal detection in organic photodiodes

Min Soo Kim, Woongsik Jang, Jin Hee Lee, Jung Hwa Seo* and Dong Hwan Wang*

