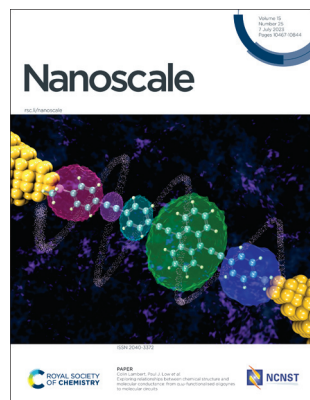


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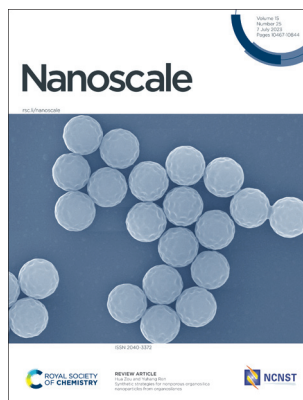
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EDITORIAL

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Introduction to nanomaterials for printed electronics

Cinzia Casiraghi,* Oana D. Jurchescu,*
Shlomo Magdassi* and Wenming Su*

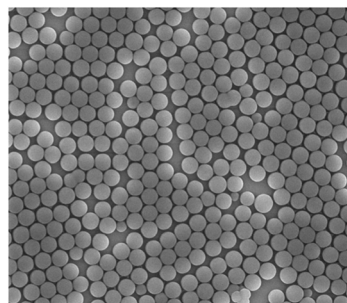


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Synthetic strategies for nonporous organosilica nanoparticles from organosilanes

Hua Zou* and Yuhang Ren



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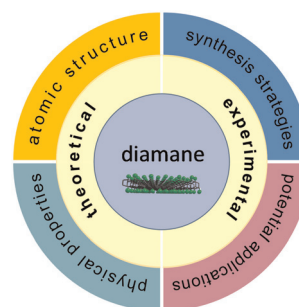


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Advancements in theoretical and experimental investigations on diamane materials

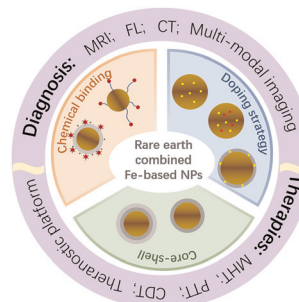
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The development of rare-earth combined Fe-based magnetic nanocomposites for use in biological theranostics

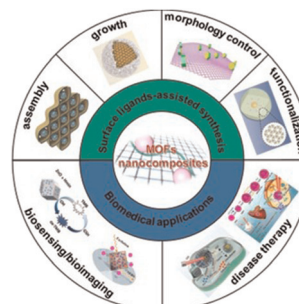
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Lihua Wang, Zhiheng Li, Yingqian Wang, Mengyue Gao, Ting He, Yifang Zhan* and Zhihao Li*

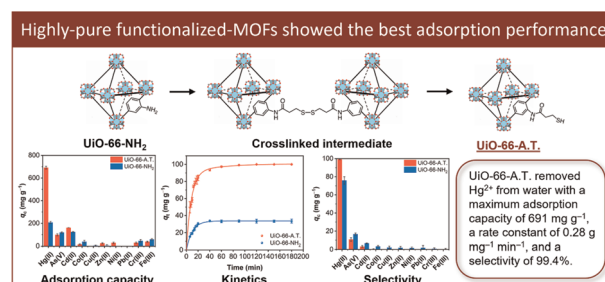


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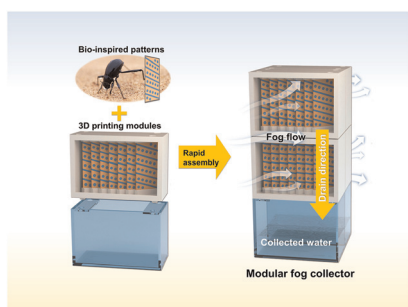
Towards the fastest kinetics and highest uptake of post-functionalized UiO-66 for Hg²⁺ removal from water

Iris Tsz Yan Lam, Yufei Yuan, Ki-Taek Bang, Seon-Jin Choi, Dong-Myeong Shin, Dong Lu and Yoonseob Kim*



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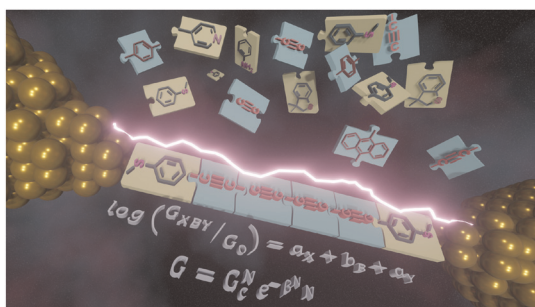


Manufacture of a modular fog harvesting system combining 3D printing and wettability-contrasting patterns

Jie Guo, Zhiguang Guo* and Weimin Liu*

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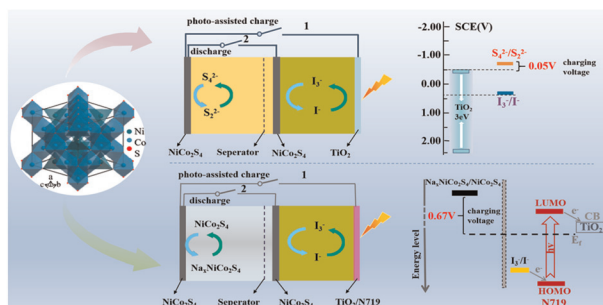
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Exploring relationships between chemical structure and molecular conductance: from α,ω -functionalised oligoynes to molecular circuits

Elena Gorenskaia, Jarred Potter, Marcus Korb, Colin Lambert* and Paul J. Low*

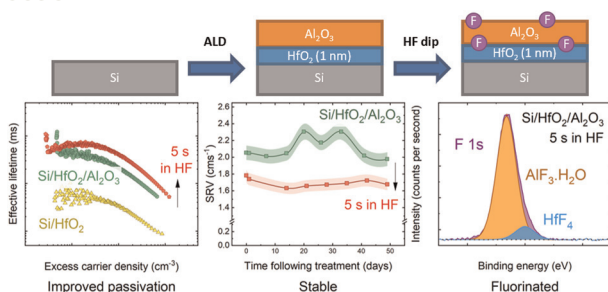
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Sophie L. Pain,* Edris Khorani, Tim Niewelt, Ailish Wratten, Marc Walker, Nicholas E. Grant and John D. Murphy*

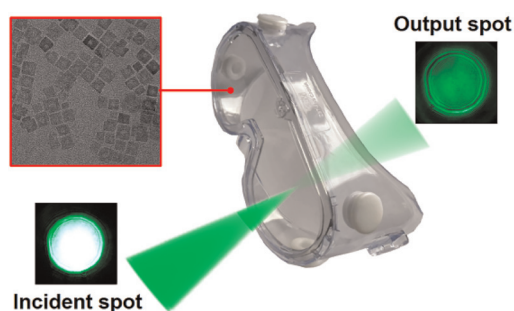


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Flexible optical limiters based on Cu_3VSe_4 nanocrystals

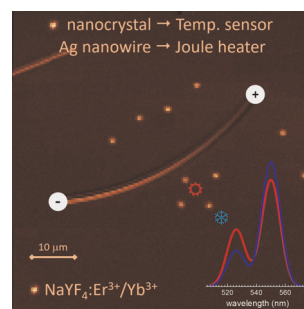
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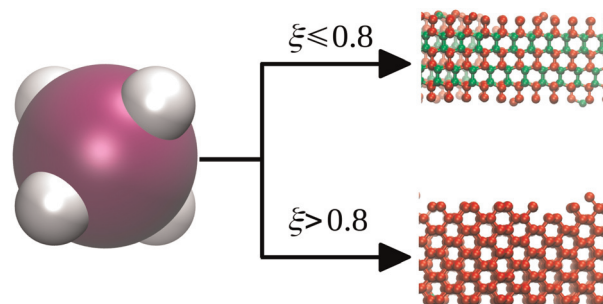
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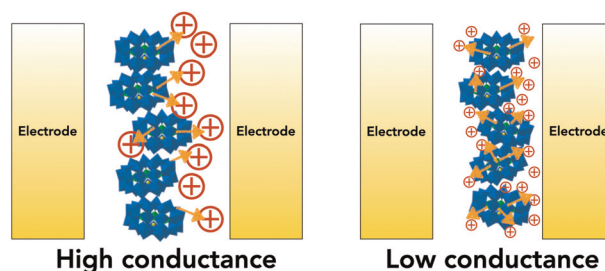
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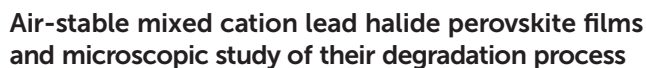


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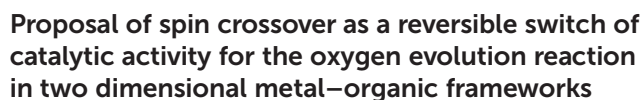




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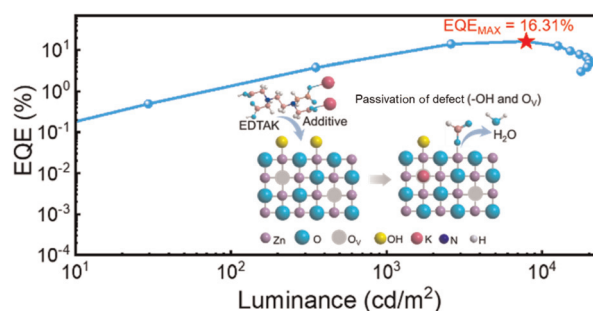
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Defect passivation and electron band energy regulation of a ZnO electron transport layer through synergetic bifunctional surface engineering for efficient quantum dot light-emitting diodes

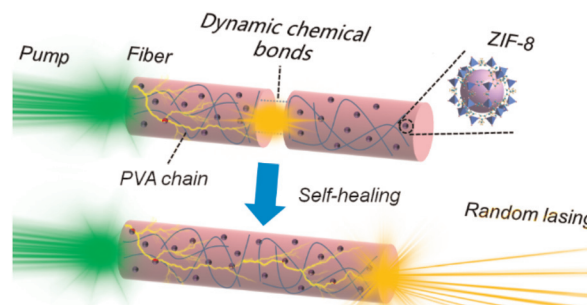
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Metal–organic framework-based self-healing hydrogel fiber random lasers

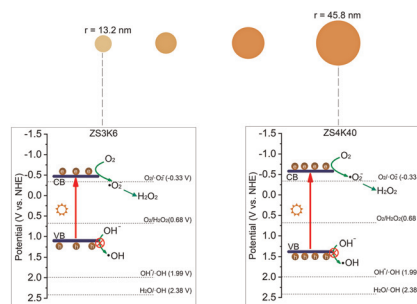
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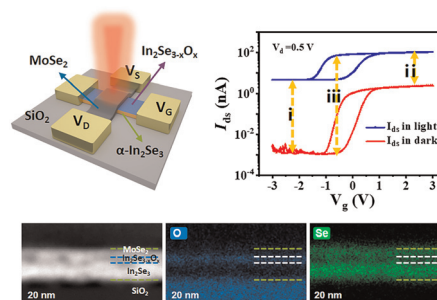
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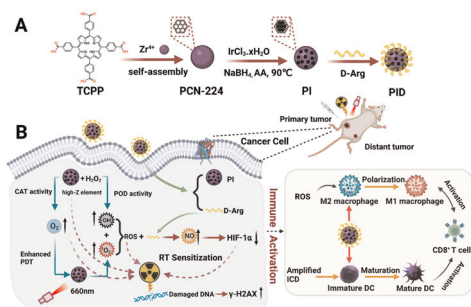
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An all-two-dimensional Fe-FET retinomorph sensor based on the novel gate dielectric In₂Se_{3-x}O_x

Xuhong Li, Xiaoqing Chen,* Wenjie Deng, Songyu Li, Boxing An, Feihong Chu, Yi Wu, Famin Liu* and Yongzhe Zhang*



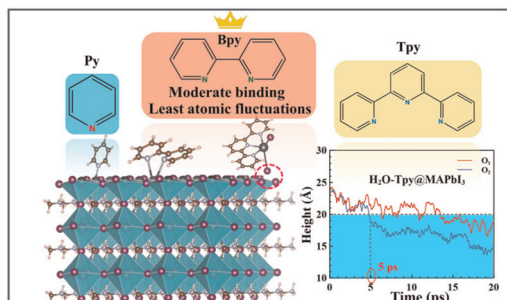
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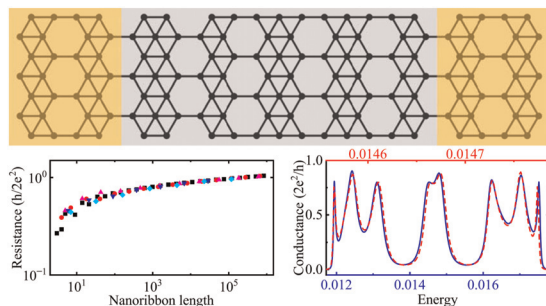
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A moderate intensity ligand works best: a theoretical study on passivation effects of pyridine-based molecules for perovskite solar cells

Na Chen, Weiyl Zhang and Quan-Song Li*

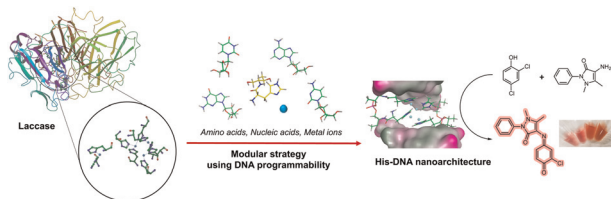
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Ji Hye Yum, Tomotaka Kumagai, Daisuke Hori, Hiroshi Sugiyama* and Soyoung Park*

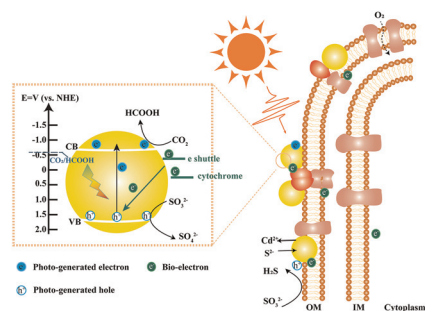


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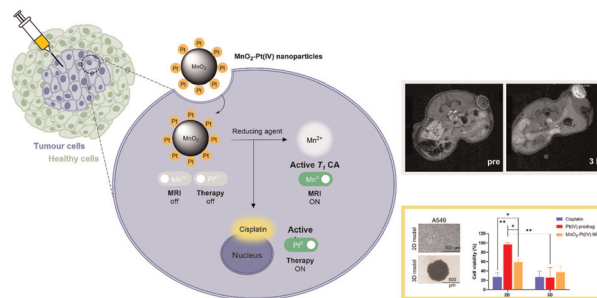
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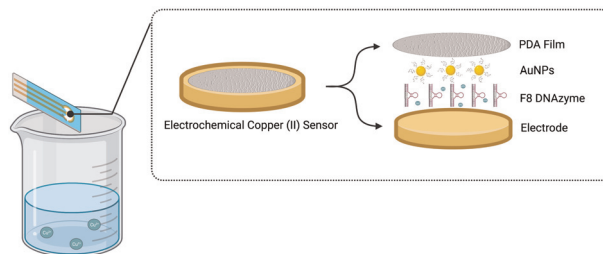
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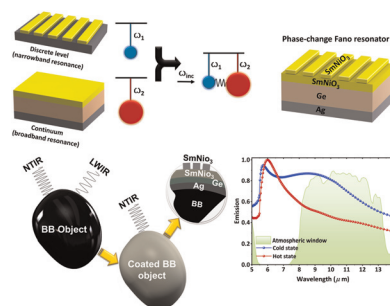
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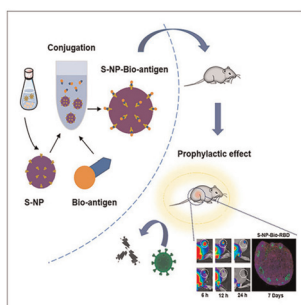
Phase-change Fano resonator for active modulation of thermal emission

Bahram Khalichi,* Amir Ghobadi,* Ataollah Kalantari Osgouei, Zahra Rahimian Omam, Hasan Kocer and Ekmel Ozbay*



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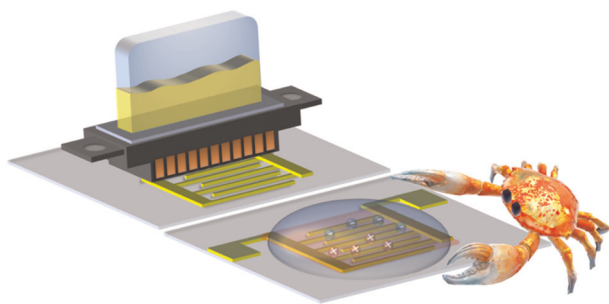
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Production of a promising modular proteinaceous self-assembled delivery system for vaccination

Chao Pan, Jingqin Ye, Sen Zhang, Xiang Li, Yixin Shi, Yan Guo, Kangfeng Wang, Peng Sun, Jun Wu,* Hengliang Wang* and Li Zhu*

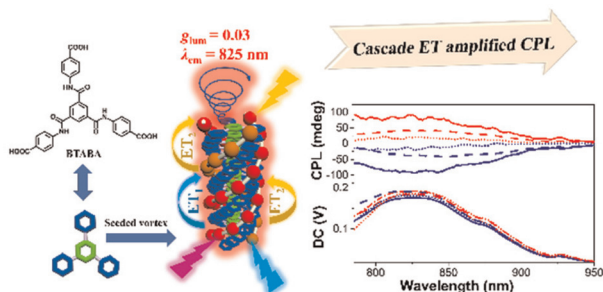
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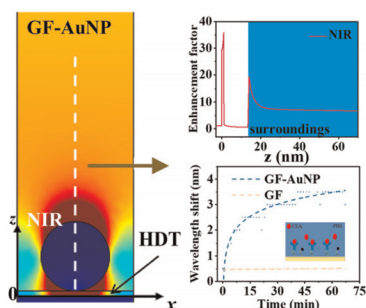
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Cascade energy transfer boosted near-infrared circularly polarized luminescence of nanofibers from an exclusively achiral system

Chen Xiao, Chengxi Li, Kang Huang, Pengfei Duan* and Yafei Wang*

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Evaluating strain and doping of Janus MoSSe from phonon mode shifts supported by *ab initio* DFT calculations

Jennifer Schmeink, Vladislav Musytschuk, Erik Pollmann, Stephan Sleziona, André Maas, Peter Kratzer and Marika Schleberger*

