

Materials Horizons

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ISSN 2051-6347 CODEN MHAOAL 12(13) 4471-4916 (2025)



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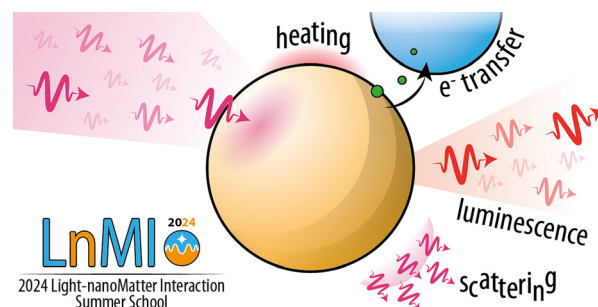
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Materials Horizons Emerging Investigator Series: Dr Jung-Yao Chen, National Cheng Kung University



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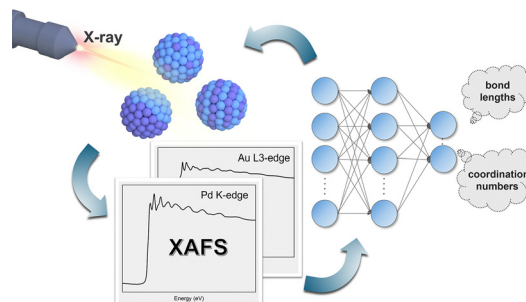


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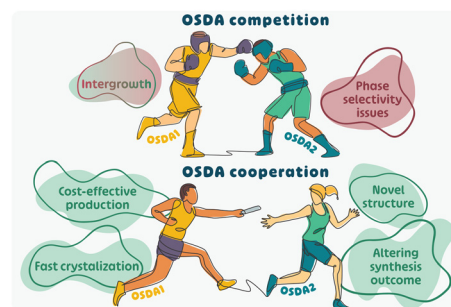
Shuting Xiang, Marc R. Knecht and Anatoly Frenkel*



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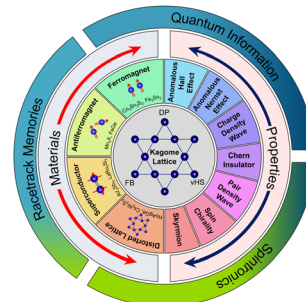
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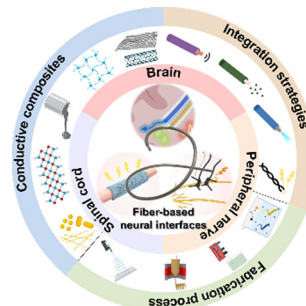
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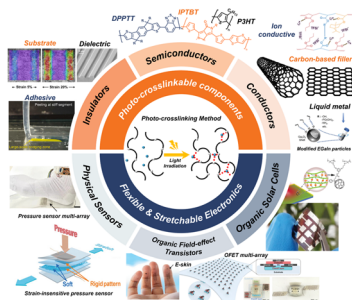
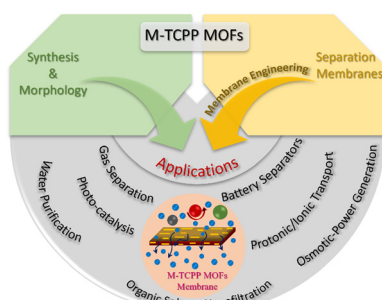


Photo-crosslinkable organic materials for flexible and stretchable electronics

Minsung Kim, Hayeong Park, Eunjin Kim, Minji Chung and Joon Hak Oh*

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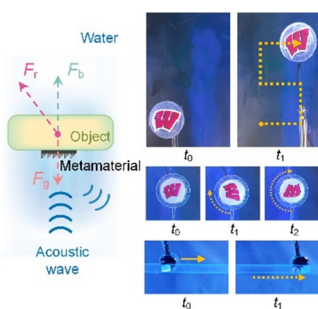


Porphyritic metal–organic frameworks as separation membranes: from synthesis to advanced applications

Shabab Hussain, Xinsheng Peng* and Lei Wang*

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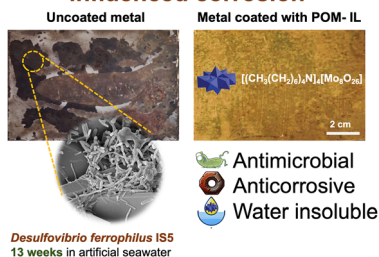


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Mitigating microbiologically influenced corrosion



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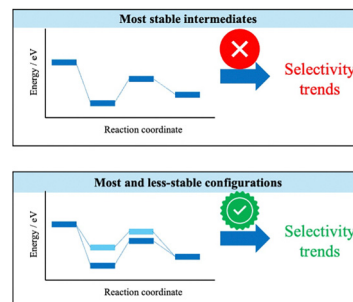
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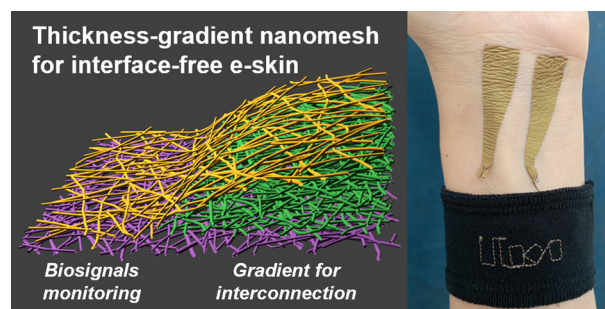
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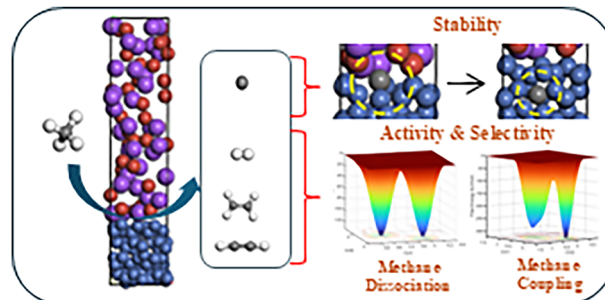
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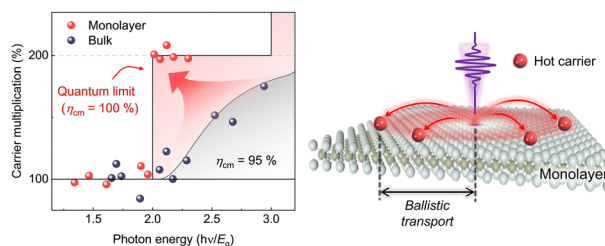
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Hot carrier diffusion-assisted ideal carrier multiplication in monolayer MoSe₂

Joonsoo Kim, Hong-Guk Min, Sehwan Park, Jin Cheol Park, Junhyeok Bang,* Youngkuk Kim* and Ji-Hee Kim*



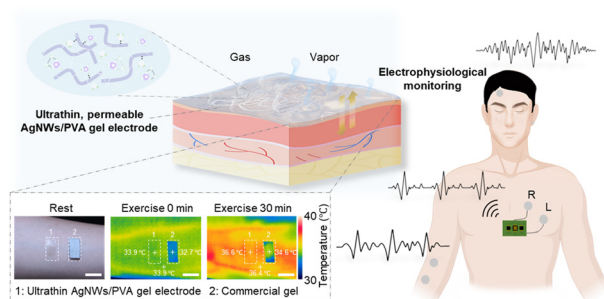
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Novel scalable synthesis of luminescent and magnetic single crystal garnets

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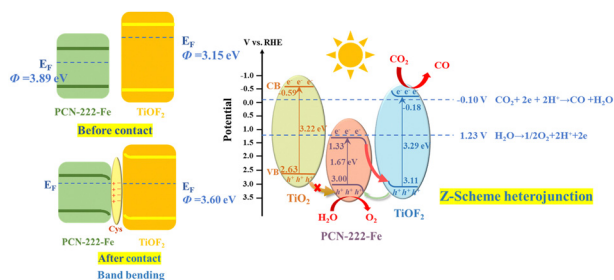
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Ultrathin and permeable silver nanowires/polyvinyl alcohol epidermal electrode for continuous electrophysiological monitoring

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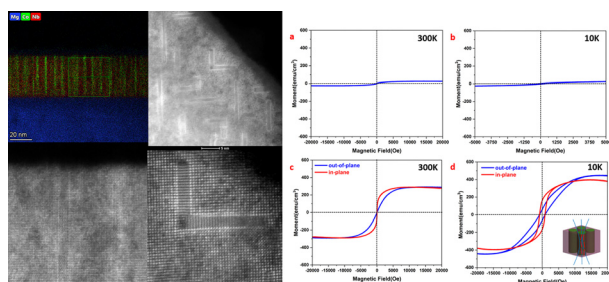
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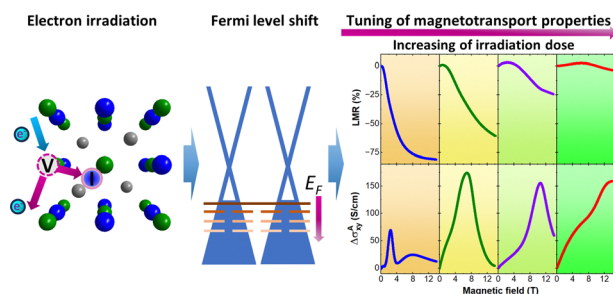
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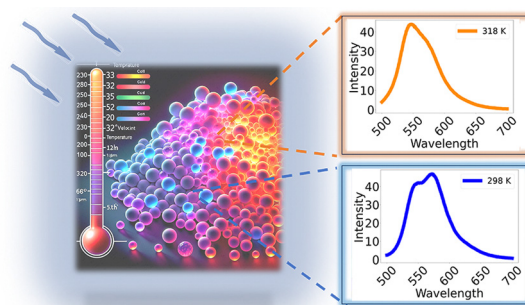
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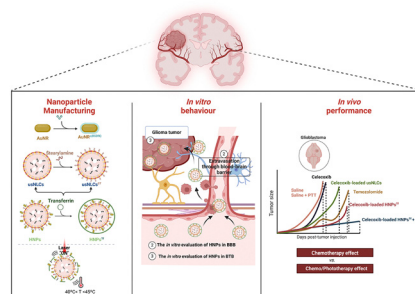
Mahshid Iraniparast, Nishant Kumar and Igor Sokolov*



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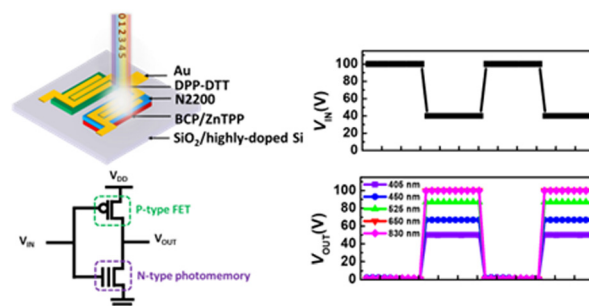
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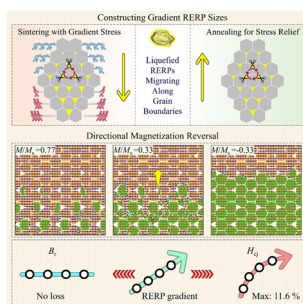
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Solution-processable and photo-programmable logic gate realized by organic non-volatile floating-gate photomemory

Yu-Dao Lu, Chan-Rung Hsu, Shin-Hau Ke, Kuan-Lin Lai, Horng-Long Cheng, Yu-Wu Wang and Jung-Yao Chen*



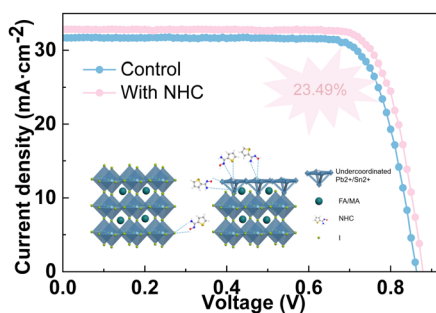
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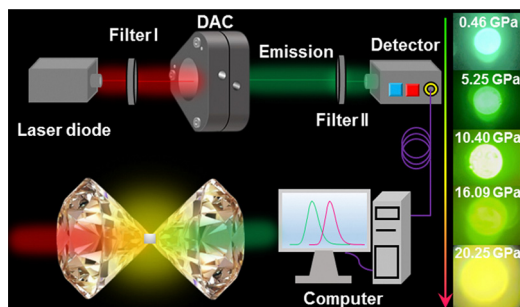
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Cheng Li, Mingzhe Zhu, Haokun Jiang, Shuming Zhang, Jiahui Cheng, Huijie Cao, Tao Wang* and Zhongmin Zhou*

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Peng Du,* Junpeng Xue, Shuailing Ma, Przemysław Woźny, Victor Lavin, Laihui Luo and Marcin Runowski*

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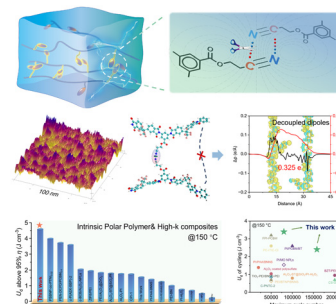
Yu Kang, Xuetao Xu, Jiankun Lai, Yuepeng Li, Wei Li, Yanqiang Wei, Feilong Zhang and Shutao Wang*



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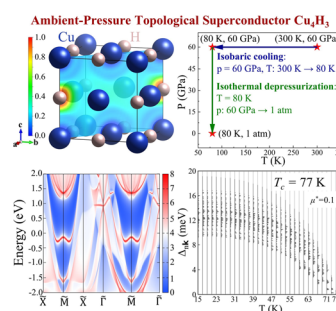
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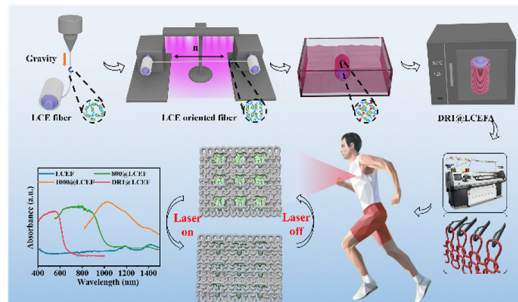
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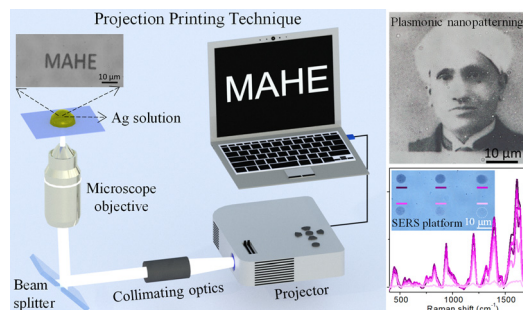
Ye Zhang, Xuan Wang, Xin Zhang, Wendi Wang, Yichen Yao, Junjie Pan, Guangwei Shao, Siyi Bi, Nanliang Chen, Jinhua Jiang* and Huiqi Shao*



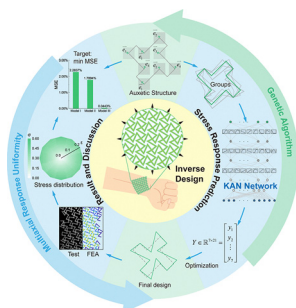
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White light-assisted projection printing of submicron plasmonic nanostructures for advanced nanofabrication

Bharath Bannur, Monisha Kolikkaje, Shreyas Mysuru Shivalinggowda and Sajan Daniel George*



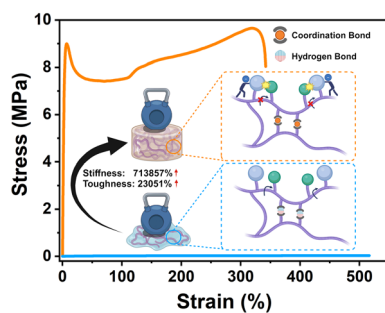
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Ertai Cao, Zhicheng Dong, Ben Jia and Heyuan Huang*

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Molecular engineering of backbone rotation in an energy-dissipative hydrogel for combining ultra-high stiffness and toughness

Agniva Dutta,* Pintu Maity, Rajat Kumar Das* and Eyal Zussman*

