

Materials Horizons

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ISSN 2051-6347 CODEN MHAOAL 10(4) 1045-1456 (2023)



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Tao Chen *et al.*,
pp. 1264–1273.
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Materials Horizons (electronic: ISSN 2051-6355) is published 12 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

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Building and designing systems from the molecular level

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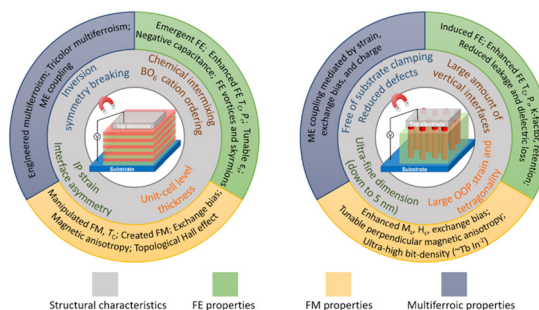


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Interface-related phenomena in epitaxial complex oxide ferroics across different thin film platforms: opportunities and challenges

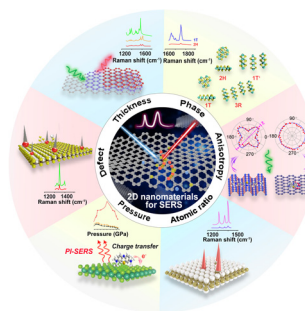
Judith L. MacManus-Driscoll,* Rui Wu* and Weiwei Li*



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Spotting the driving forces for SERS of two-dimensional nanomaterials

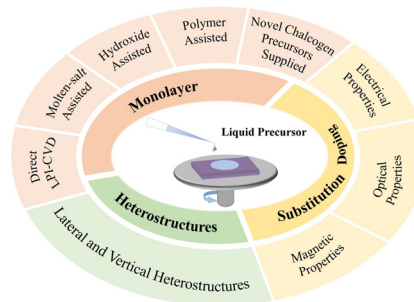
Jing Jin, Zhinan Guo,* Dianyuan Fan and Bing Zhao*



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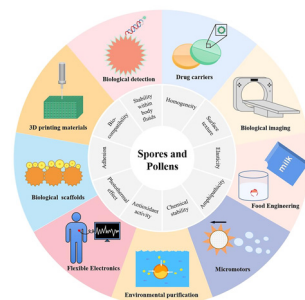
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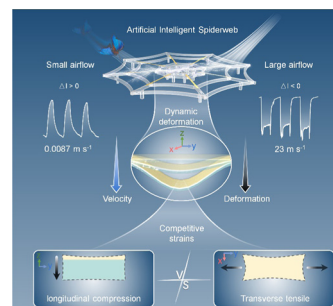
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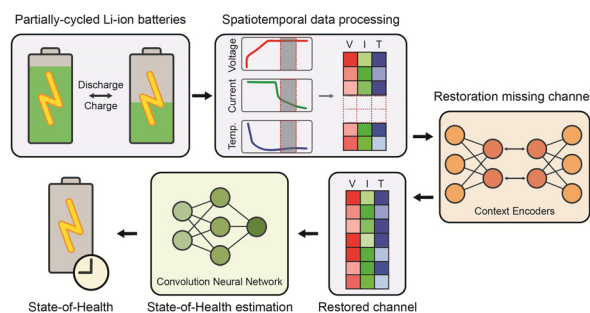
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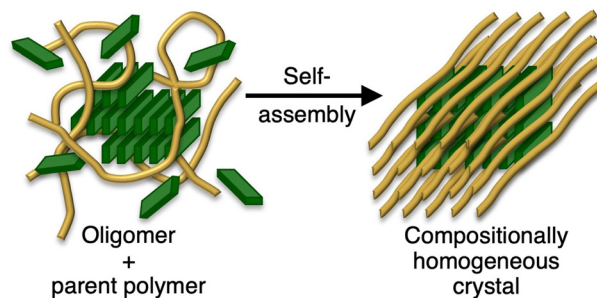
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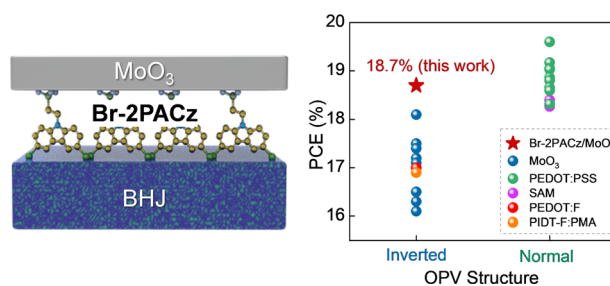
Ian M. Hill, Di Wu, Bohao Xu and Yue Wang*



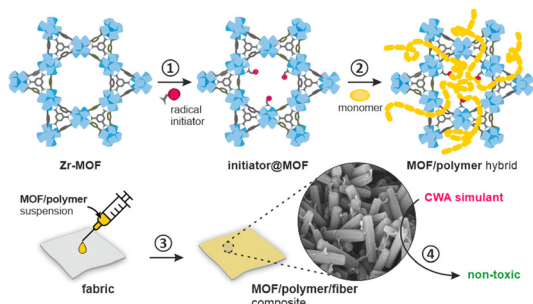
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18.73% efficient and stable inverted organic photovoltaics featuring a hybrid hole-extraction layer

Yuanbao Lin,* Yadong Zhang, Artiom Magomedov, Eleftheria Gkogkosi, Junxiang Zhang, Xiaopeng Zheng, Abdulrahman El-Labban, Stephen Barlow, Vytautas Getautis, Ergang Wang, Leonidas Tsetseris, Seth R Marder, Iain McCulloch and Thomas D. Anthopoulos*



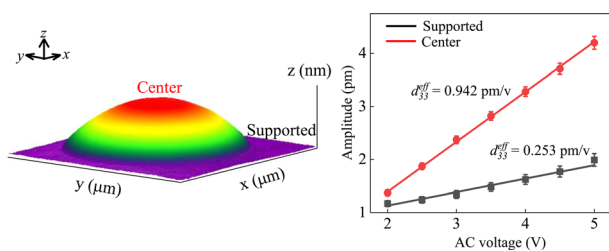
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MOF/polymer hybrids through *in situ* free radical polymerization in metal-organic frameworks

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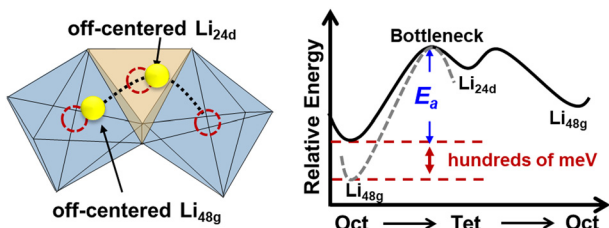
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Menghan Deng, Xiang Wang, Xionghu Xu, Anyang Cui,* Kai Jiang, Jinzhong Zhang, Liangqing Zhu, Liyan Shang, Yawei Li, Zhigao Hu* and Junhao Chu

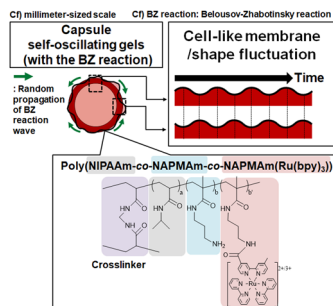
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Non-equilibrium kinetics for improving ionic conductivity in garnet solid electrolyte

Youwei Wang, Tiantian Wang, Xiaolin Zhao and Jianjun Liu*

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Capsule self-oscillating gels showing cell-like nonthermal membrane/shape fluctuations

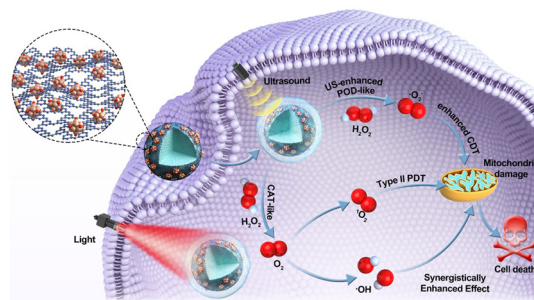
Won Seok Lee, Takafumi Enomoto, Aya Mizutani Akimoto and Ryo Yoshida*



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The direct catalytic synthesis of ultrasmall Cu_2O -coordinated carbon nitrides on ceria for multimodal antitumor therapy

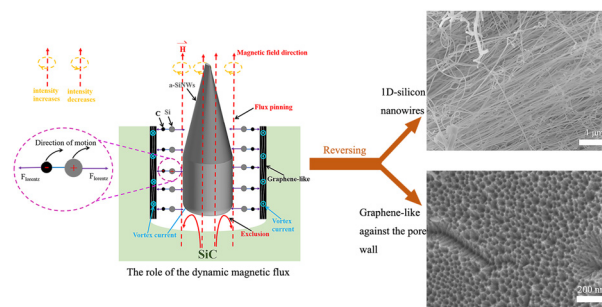
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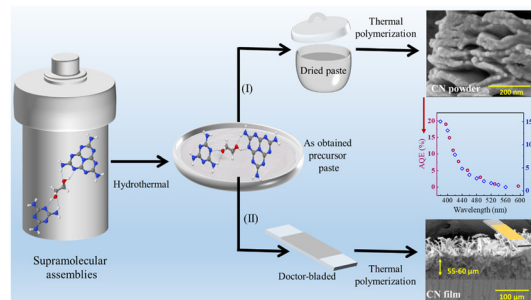
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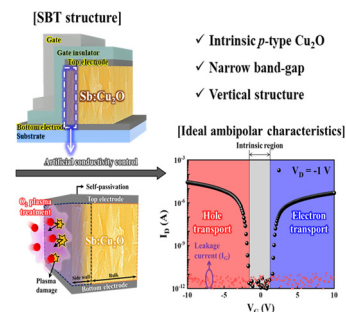
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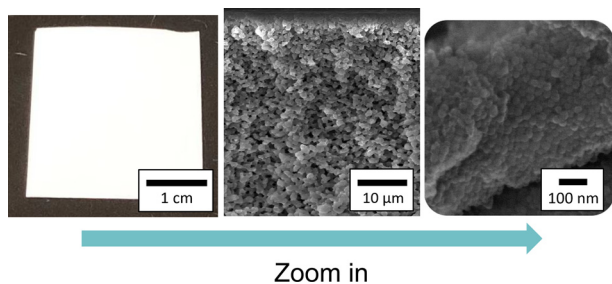
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Ambipolar operation of progressively designed symmetric bidirectional transistors fabricated using single-channel vertical transistor and electrochemically prepared copper oxide

Sung Hyeon Jung, Ji Sook Yang and Hyung Koun Cho*



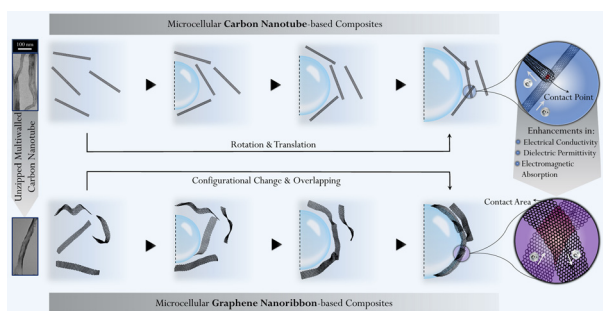
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Tiancheng Wang, Robert A. Riggelman, Daeyeon Lee* and Kathleen J. Stebe*

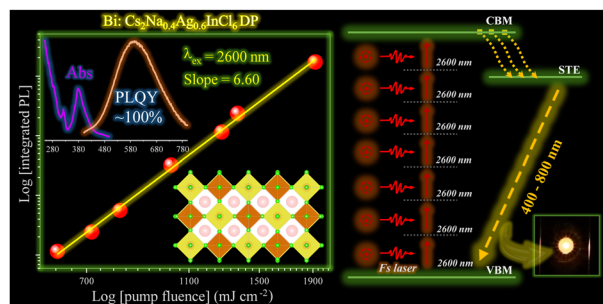
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Meysam Salari, Saeed Habibpour, Mahdi Hamidinejad,* Sara Mohseni Taromsari, Hani E. Naguib, Aiping Yu and Chul B. Park*

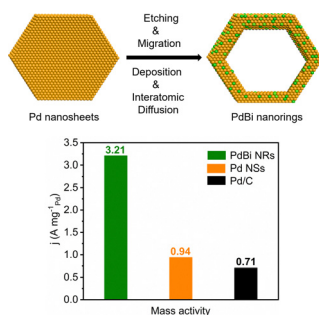
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Seven-photon absorption from $\text{Na}^+/\text{Bi}^{3+}$ -alloyed $\text{Cs}_2\text{AgInCl}_6$ perovskites

Shiling Jin, Renfu Li, Jiwen Zhu, Tao Pang, Tianmin Wu,* Hongbing Zhan, Yuanhui Zheng, Feng Huang, Xueyuan Chen* and Daqin Chen*

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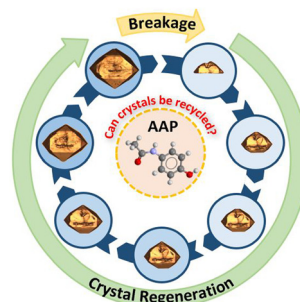
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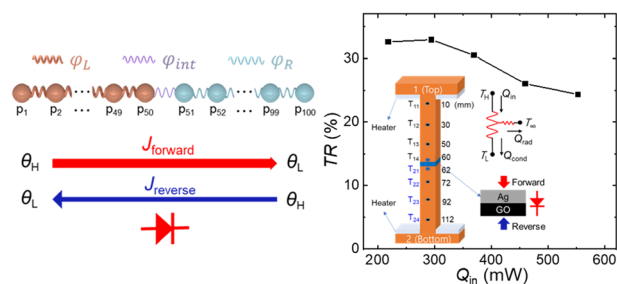
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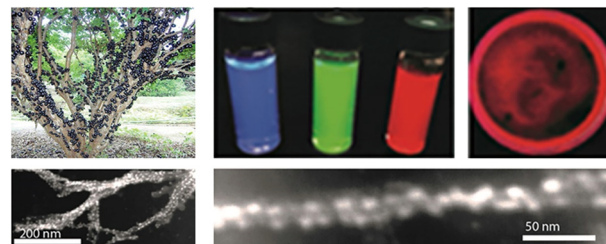
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Zhengtao Deng,* Allen Y. Chen, Bijan Zakeri, Chao Zhong and Timothy K. Lu*



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Jiajun Qin, Yang Tang, Jia Zhang, Tangyao Shen, Max Karlsson, Tiankai Zhang, Weidong Cai, Lei Shi,* Wei-Xin Ni and Feng Gao*

