

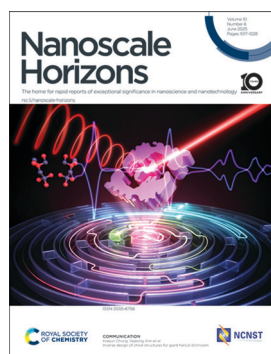
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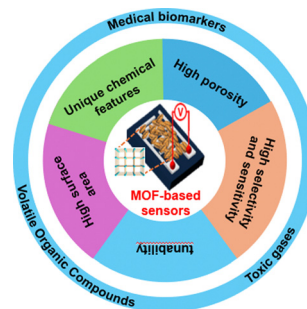
See Haejun Chung, Sejeong Kim *et al.*, pp. 1077–1083. Image reproduced by permission of Sejeong Kim, Haejun Chung from *Nanoscale Horiz.*, 2025, 10, 1077.

REVIEWS

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Advancements in MOF-based resistive gas sensors: synthesis methods and applications for toxic gas detection

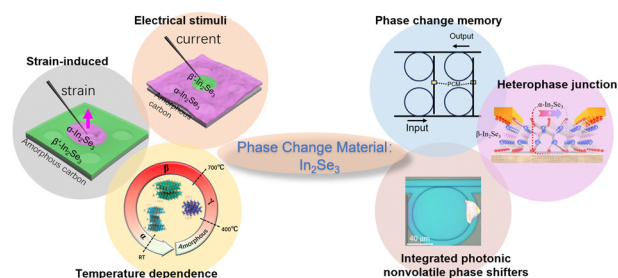
Linh Ho Thuy Nguyen, Ali Mirzaei, Jin-Young Kim, Thang Bach Phan, Lam Dai Tran, Kevin C.-W. Wu, Hyoun Woo Kim,* Sang Sub Kim* and Tan Le Hoang Doan*



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Polymorphic phases in 2D In_2Se_3 : fundamental properties, phase transition modulation methodologies and advanced applications

Weiyang Zheng, Zhiquan Liu, Guoqiang Xi, Tengzhang Liu, Dinguan Wang, Lin Wang and Wugang Liao*



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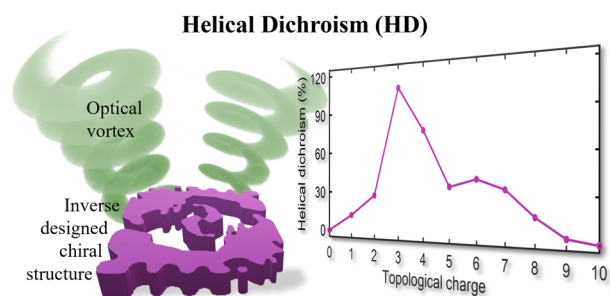
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Inverse design of chiral structures for giant helical dichroism

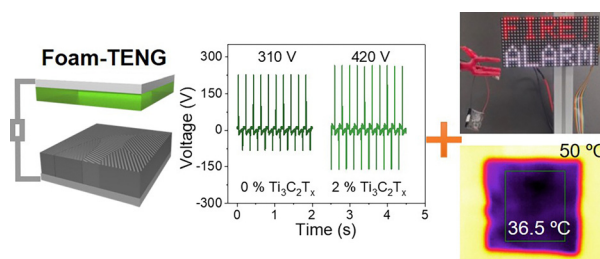
Chia-Chun Pan, Munseong Bae, Hongtao Wang, Jaesung Lim, Ranjith Rajasekharan Unnithan, Joel K. W. Yang, Haejun Chung* and Sejeong Kim*



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Multifunctional $Ti_3C_2T_x$ -alginate foams for energy harvesting and fire warning

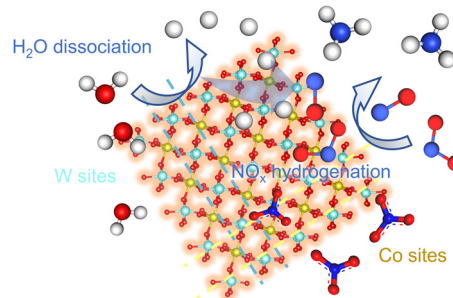
Bernd Wicklein,* Hyunjoon Yoo, Geetha Valurouthu, Ji-Seok Kim, Mannan Khan, Manmatha Mahato, Federico Carosio, Yury Gogotsi and Il-Kwon Oh*



1096

$CoWO_4$ nanoparticles with dual active sites for highly efficient ammonia synthesis

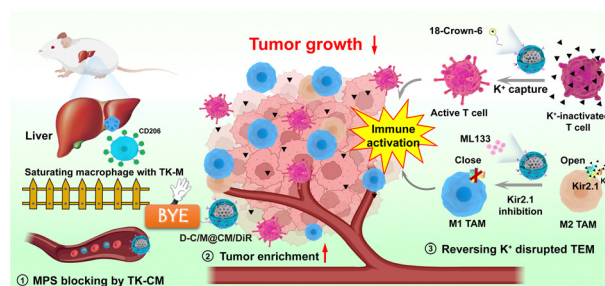
Lian Duan, Zhencong Huang, Gen Chen, Min Liu, Xiaohe Liu, Renzhi Ma* and Ning Zhang*



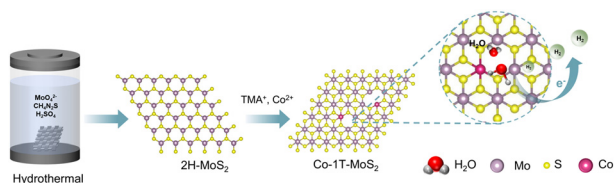
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Reversing cancer immunosuppression via K^+ capture and repolarization of tumor-associated macrophages

Si-Ye Tong, Cong-Min Huo, Yu-Cheng Zuo, Shuo Gao, David Tai Leong,* Wei Xue and Jing-Yi Zhu*



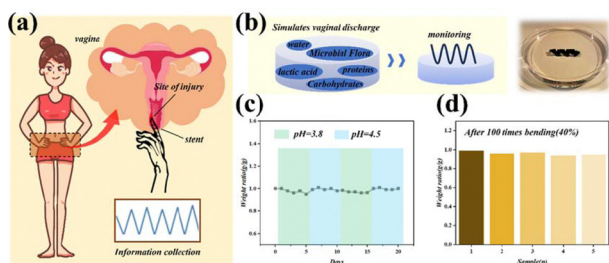
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Achieving highly efficient electrocatalytic hydrogen evolution with Co-doped MoS₂ nanosheets

Fengrui Sun, Kebin Yang, Xinbo Qin, Weibing Wu* and Yizhong Lu

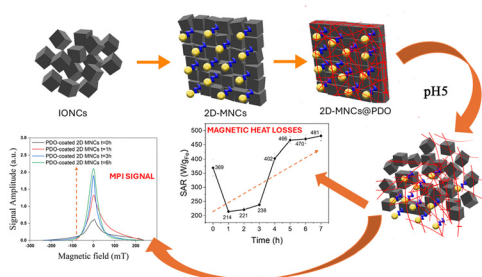
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A bioinspired helical hydrogel scaffold with real-time sensing for enhanced precision in gynecological digital vaginal examination

Weipeng Lu, Qing He, Zheng Mao, Songchao Fu, Yue Wang, Zhiwei Jiang, Ying Wang, Yue Cao, Sunlong Li, Cihui Liu* and Qian Dong*

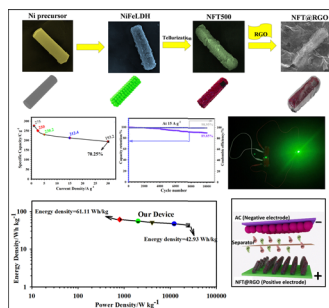
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Magnetic nanosheets: from iron oxide nanocubes to polydopamine embedded 2D clusters and their multi-purpose properties

Giacomo Mandriota, Sahitya Kumar Avugadda, Ehsan Sadeghi, Niccolò Silvestri, Roberto Marotta, Helena Gavilán, Ulf Olsson, Cinzia Giannini, Yu Hsin Tsai, Anna Cristina S. Samia and Teresa Pellegrino

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Reinforced supercapacitor electrode via reduced graphene oxide encapsulated NiTe₂-FeTe₂ hollow nanorods

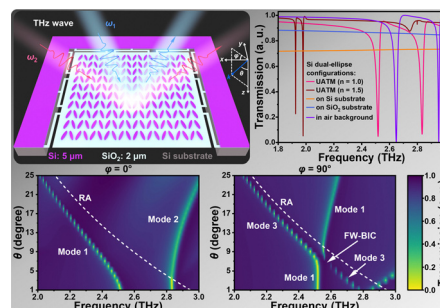
Mohammad Ali Saghafizadeh, Akbar Mohammadi Zardkhosroui* and Saied Saied Hosseiny Davarani*



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An ultrathin all-dielectric terahertz metamaterial with quasi-BIC induced angular dispersion

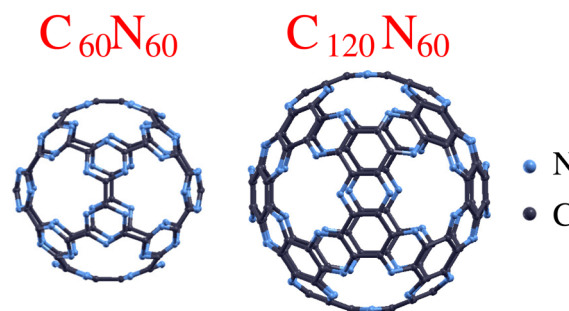
Daoye Zheng and Yu-Sheng Lin*



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Porous carbon nitride fullerenes: a novel family of porous cage molecules

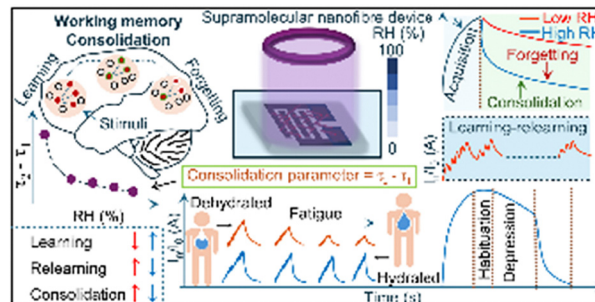
Zacharias G. Fthenakis* and Nektarios N. Lathiotakis*



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Emulating working memory consolidation with a 1D supramolecular nanofibre-based neuromorphic device

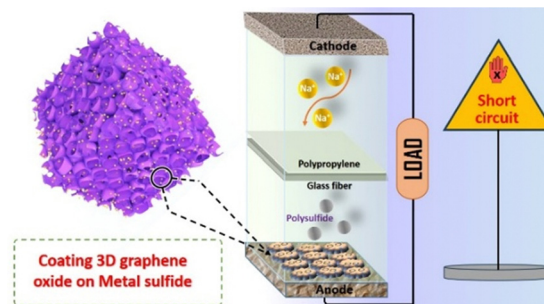
Tejaswini S. Rao, Subi J. George and Giridhar U. Kulkarni*



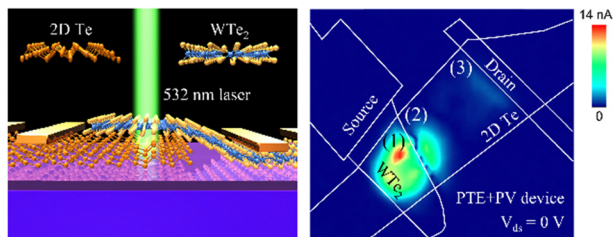
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Optimizing sodium storage and durability in metal sulfide anodes with a 3D graphene architecture

Mujtaba Aminu Muhammad, Yangjie Liu, Baffa Haruna, Ahmed Abdel-aziz, Zul Qarnain, Amir Mahmoud Makin, Jiaqi Yu, Bo Zheng, Xiang Hu* and Zhenhai Wen*



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Spatially resolved optoelectronic puddles of WTe₂–2D Te heterostructure

Thi Uyen Tran, Ngoc Thanh Duong, Dae Young Park, Jaeuk Bahng, Hai Phuong Duong, Van Dam Do, Mun Seok Jeong and Seong Chu Lim*

CORRECTION

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Correction: ROS self-generation and hypoxia self-enhanced biodegradable magnetic nanotheranostics for targeted tumor therapy

Jinghua Li, Yun Liu, Xiaonan Li, Gaofeng Liang, Changshun Ruan* and Kaiyong Cai*

