

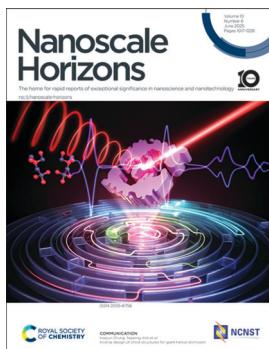
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IN THIS ISSUE

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Cover

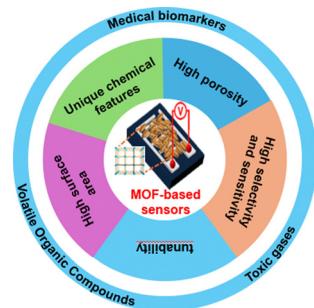
See Haejun Chung,
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pp. 1077–1083.
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2025, 10, 1077.

REVIEWS

1025

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

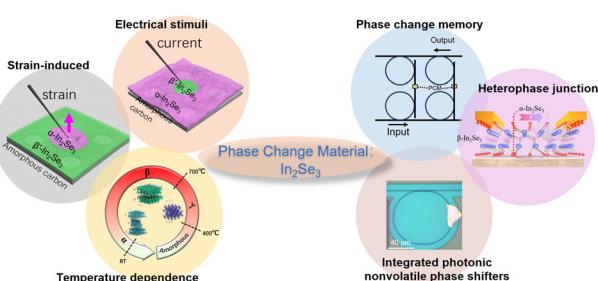
Linh Ho Thuy Nguyen, Ali Mirzaei, Jin-Young Kim,
Thang Bach Phan, Lam Dai Tran, Kevin C.-W. Wu,
Hyoun Woo Kim,* Sang Sub Kim* and Tan Le Hoang Doan*



1054

Polymorphic phases in 2D In₂Se₃: fundamental properties, phase transition modulation methodologies and advanced applications

Weiying Zheng, Zhiqian Liu, Guoqiang Xi, Tengzhang Liu,
Dinguan Wang, Lin Wang and Wugang Liao*





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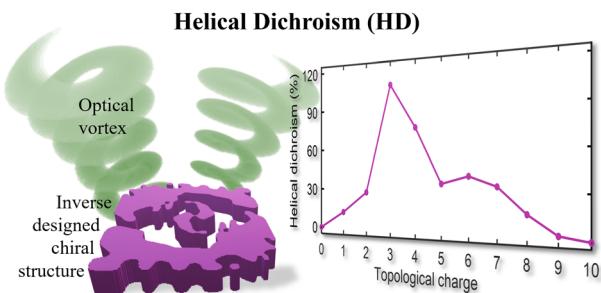


COMMUNICATIONS

1077

Inverse design of chiral structures for giant helical dichroism

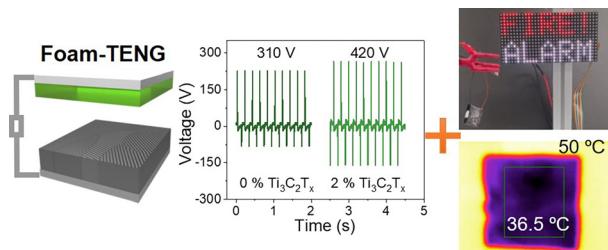
Chia-Chun Pan, Munseong Bae, Hongtao Wang, Jaesung Lim, Ranjith Rajasekharan Unnithan, Joel K. W. Yang, Haejun Chung* and Sejeong Kim*



1084

Multifunctional $\text{Ti}_3\text{C}_2\text{T}_x$ -alginate foams for energy harvesting and fire warning

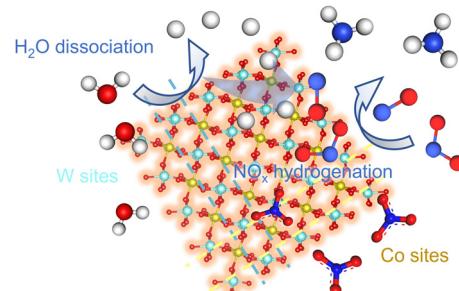
Bernd Wicklein,* Hyunjoon Yoo, Geetha Valuoruthu, Ji-Seok Kim, Mannan Khan, Manmatha Mahato, Federico Carosio, Yury Gogotsi and Il-Kwon Oh*



1096

 CoWO_4 nanoparticles with dual active sites for highly efficient ammonia synthesis

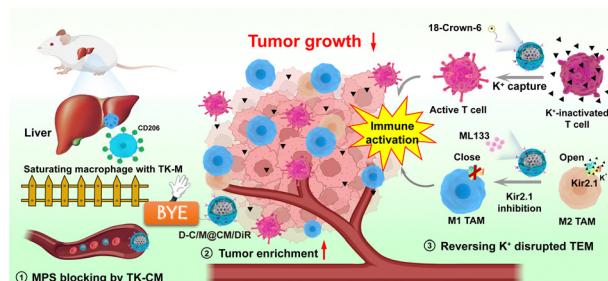
Lian Duan, Zhengcong Huang, Gen Chen, Min Liu, Xiaohe Liu, Renzhi Ma* and Ning Zhang*



1107

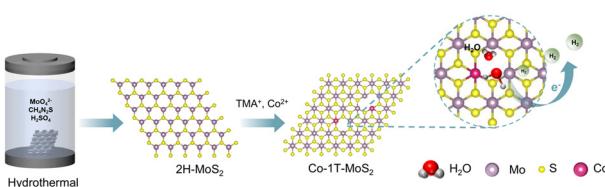
Reversing cancer immunosuppression via K^+ capture and repolarization of tumor-associated macrophages

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



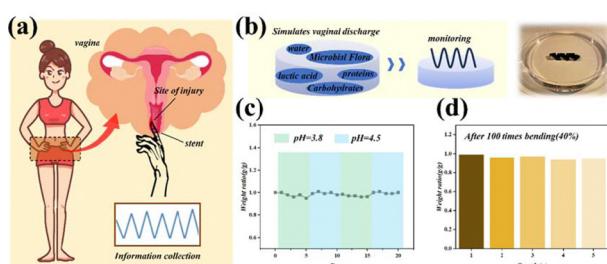
COMMUNICATIONS

1120

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

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

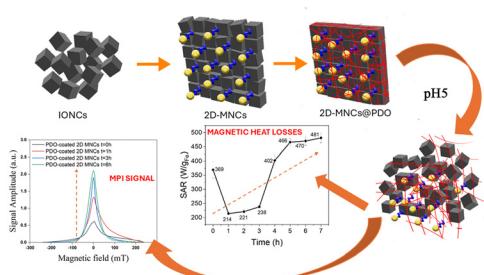
1131



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*

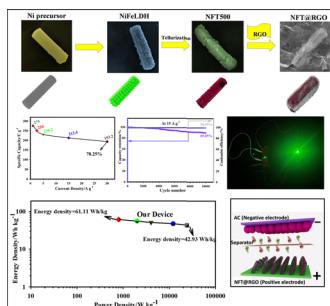
1140



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

1159

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

Mohammad Ali Saghafizadeh, Akbar Mohammadi Zardkhoshouei* and Saeid Saeed Hosseiny Davarani*

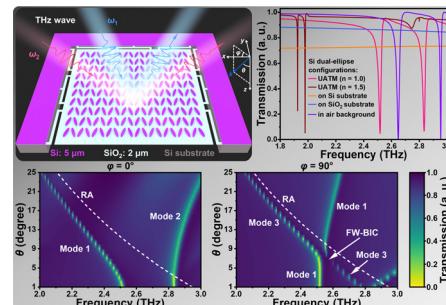


COMMUNICATIONS

1173

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

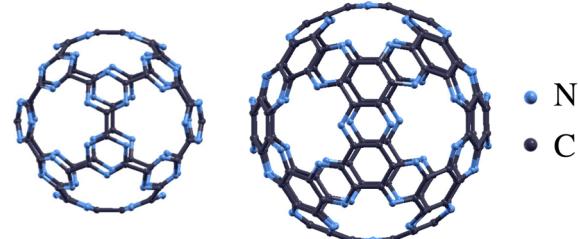
Daoye Zheng and Yu-Sheng Lin*



1184

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

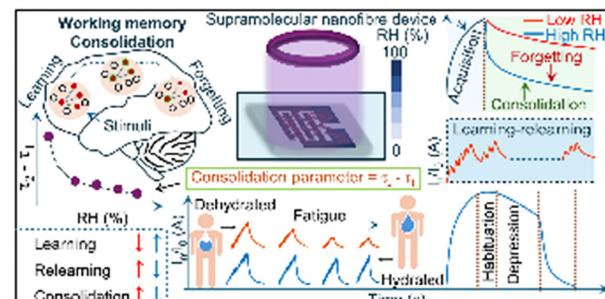
Zacharias G. Fthenakis* and Nektarios N. Lathiotakis*



1192

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

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



1203

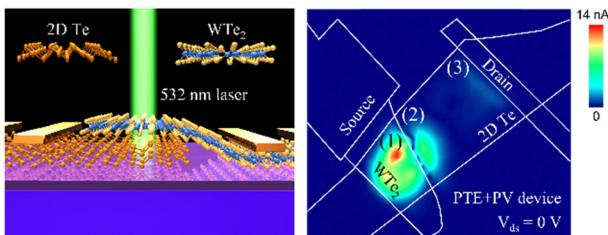
Optimizing sodium storage and durability in metal sulfide anodes with a 3D graphene architecture

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



COMMUNICATIONS

1215

**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

1224

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*

