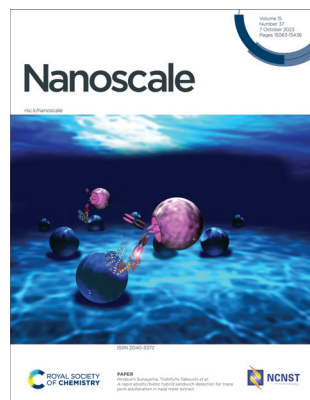


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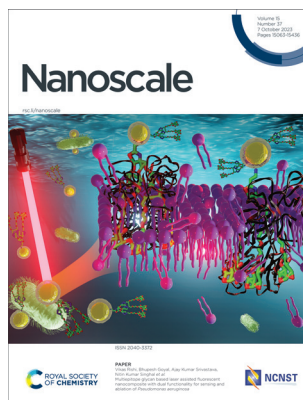
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See Hirobumi Sunayama, Toshifumi Takeuchi *et al.*, pp. 15171–15178.

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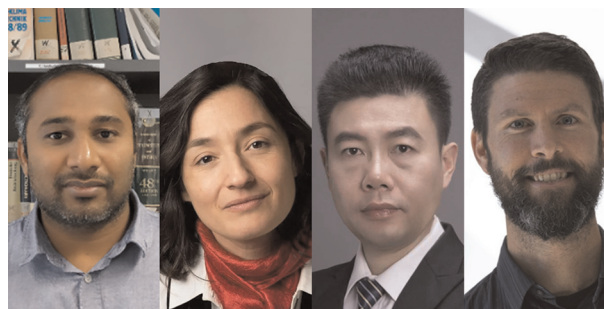
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Introduction to halide perovskite optoelectronics

Lakshminarayana Polavarapu, Maria Antonietta Loi, Haibo Zeng and Joseph M. Luther

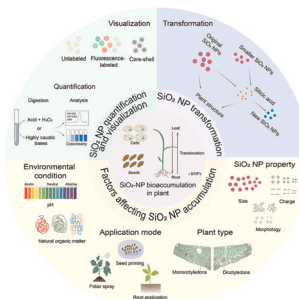


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Silica nanoparticle accumulation in plants: current state and future perspectives

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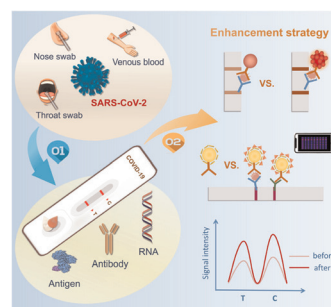


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Immunochromatographic enhancement strategy for SARS-CoV-2 detection based on nanotechnology

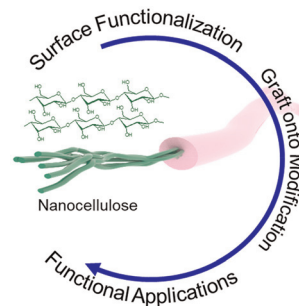
Qingwen Sun, Qihong Ning, Tangan Li, Qixia Jiang, Shaoqing Feng, Ning Tang, Daxiang Cui and Kan Wang*



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Graft onto approaches for nanocellulose-based advanced functional materials

Chandravati Yadav, Jeong-Min Lee, Paritosh Mohanty, Xiping Li and Woo-Dong Jang*

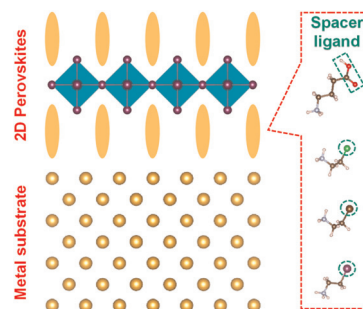


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Modulating the Schottky barriers of metal–2D perovskite junctions through molecular engineering of spacer ligands

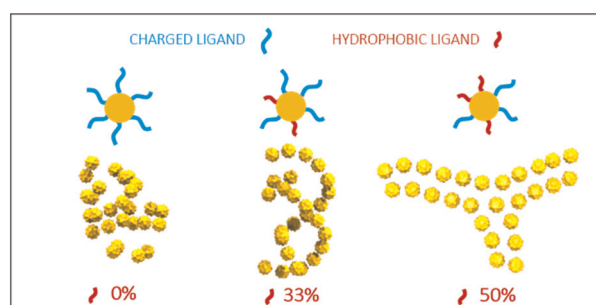
Zhuo Xu,* Weidong Luo, Songyan Guo and Shengzhong Frank Liu*



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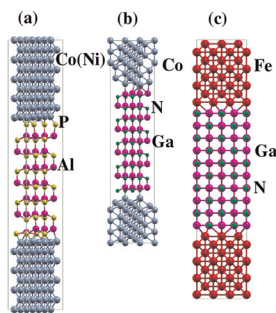
Dumbbells, chains, and ribbons: anisotropic self-assembly of isotropic nanoparticles

Enrico Lavagna, Sebastian Salassi, Davide Bochicchio and Giulia Rossi*



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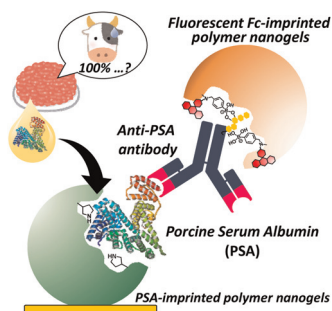


Potential of AlP and GaN as barriers in magnetic tunnel junctions

Gokaran Shukla,* Hasan M. Abdullah and Udo Schwingenschlögler*

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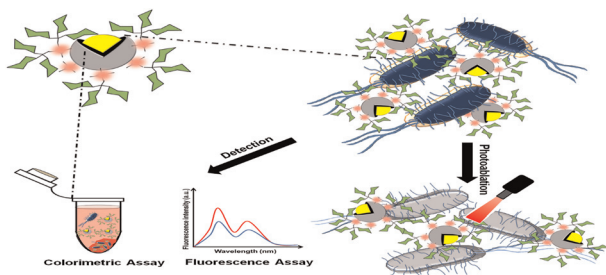
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A rapid abiotic/biotic hybrid sandwich detection for trace pork adulteration in halal meat extract

Chehasan Cheubong, Hirobumi Sunayama,* Eri Takano, Yukiya Kitayama, Hideto Minami and Toshifumi Takeuchi*

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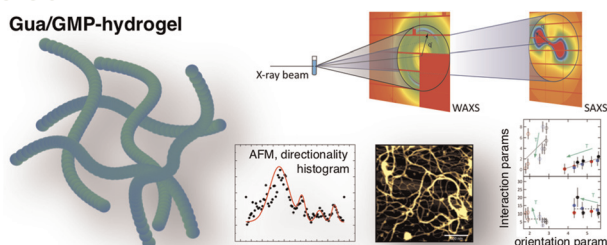


Multiepitope glycan based laser assisted fluorescent nanocomposite with dual functionality for sensing and ablation of *Pseudomonas aeruginosa*

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Gua/GMP-hydrogel



Self-oriented anisotropic structure of G-hydrogels as a delicate balance between attractive and repulsive forces

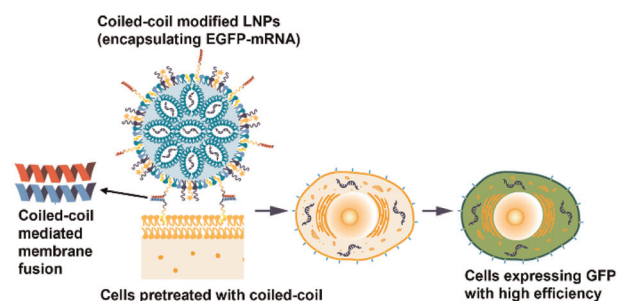
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Efficient mRNA delivery using lipid nanoparticles modified with fusogenic coiled-coil peptides

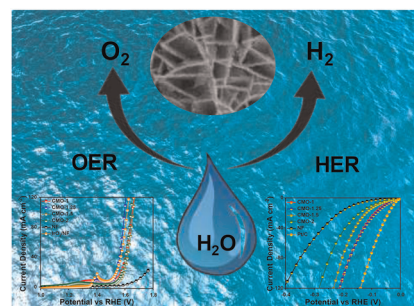
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Heterointerface engineering of cobalt molybdenum suboxide for overall water splitting

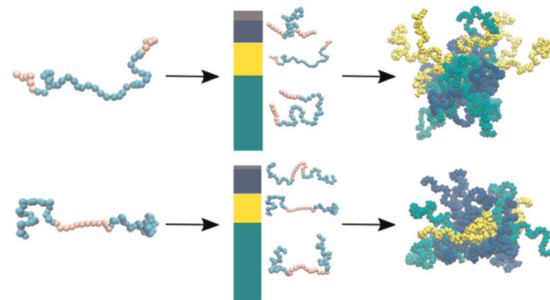
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Topology-controlled self-assembly of amphiphilic block copolymers

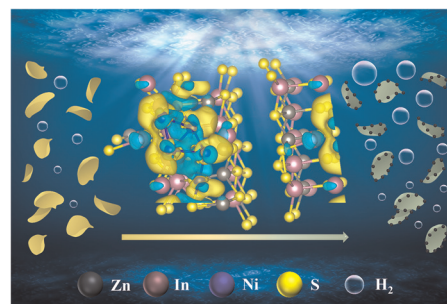
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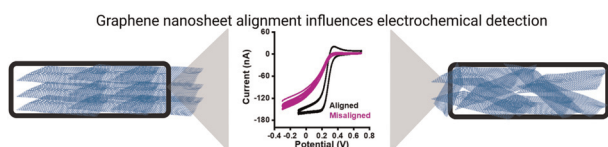
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Interfacial electron modulation of 2D nanopetal ZnIn₂S₄ with edge-decorated Ni clusters for accelerated photocatalytic H₂ evolution

Nan Zhang, Gang Li,* Zhichao Yu, Zhenguo Tang, Xiaoyan Liu, Congwei Wang* and Kaiying Wang*



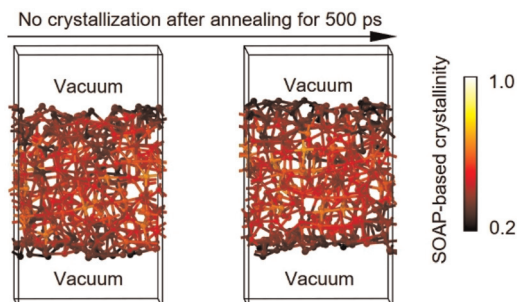
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Graphene oxide fiber microelectrodes with controlled sheet alignment for sensitive neurotransmitter detection

Romana Jarosova, Blaise J. Ostertag and Ashley E. Ross*

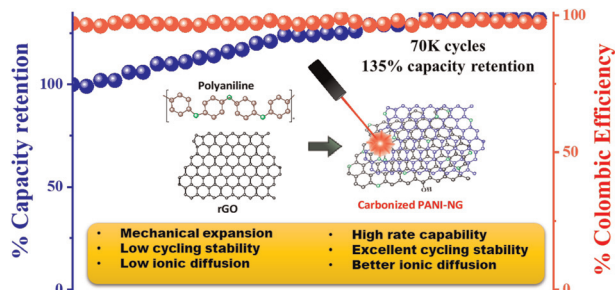
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Surface effects on the crystallization kinetics of amorphous antimony

Xueyang Shen, Yuxing Zhou, Hanyi Zhang, Volker L. Deringer, Riccardo Mazzarello and Wei Zhang*

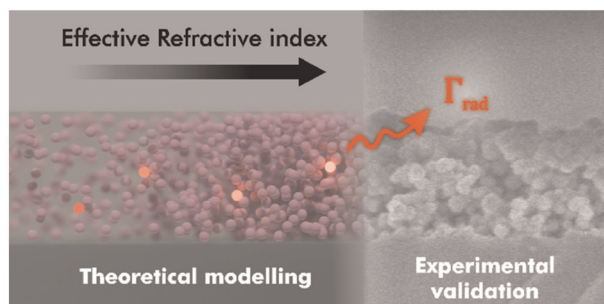
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Laser-irradiated carbonized polyaniline-N-doped graphene heterostructure improves the cyclability of on-chip microsupercapacitor

Bharat Bhushan Upreti, Navpreet Kamboj and Ramendra Sundar Dey*

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Effect of the effective refractive index on the radiative decay rate in nanoparticle thin films

Manuel Romero, Juan Ramón Sánchez-Valencia, Gabriel Lozano* and Hernán Míguez*

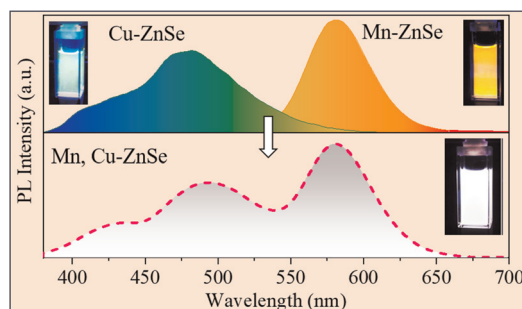


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Electronic structure study of dual-doped II–VI semiconductor quantum dots towards single-source white light emission

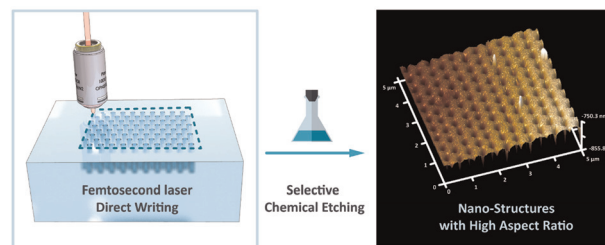
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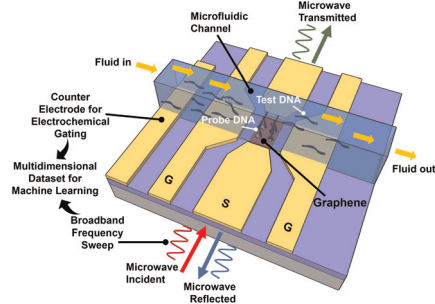
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Electrochemically-gated graphene broadband microwave waveguides for ultrasensitive biosensing

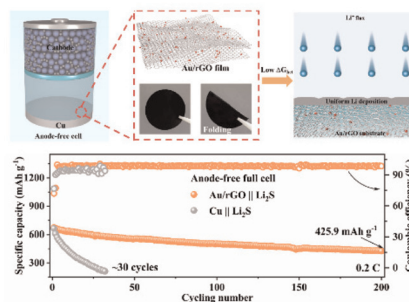
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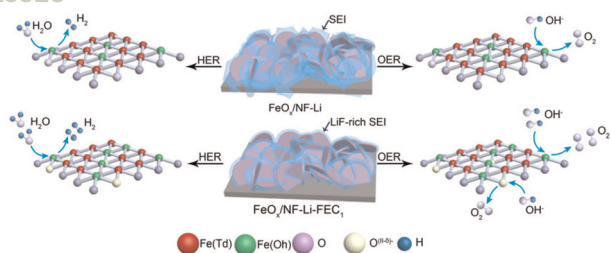
Scalable fabrication of ultra-fine lithiophilic nanoparticles encapsulated in soft buffered hosts for long-life anode-free Li₂S-based cells

Bo Zhou, Ting Li, Anjun Hu,* Baihai Li, Runjing Li, Chuan Zhao, Nian Chen,* Miao He, Jing Liu and Jianping Long*



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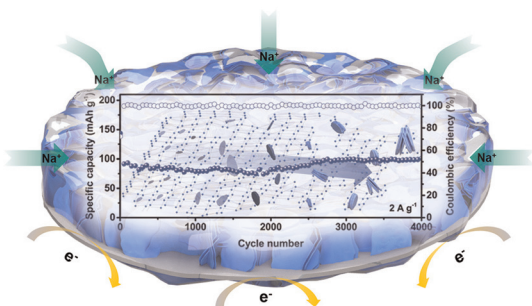
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Electrolyte modification method induced atomic arrangement in FeO_x/NF nanosheets for efficient overall water splitting

Xiaoping Zhang,* Xiaonan Fu, Weifeng Tian, Yanzhi Bai, Liya Zhu* and Junwen Si

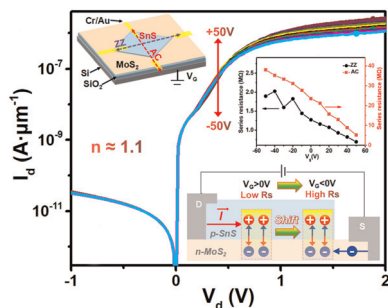
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Synchronous embedded growth of Mo₂C nanodisk arrays immobilized on porous carbon nanosheets for ultra-stable sodium storage

Minyu Jia, Jingxuan Wei, Yamin Zhang, Linrui Hou, Jinfeng Sun* and Changzhou Yuan*

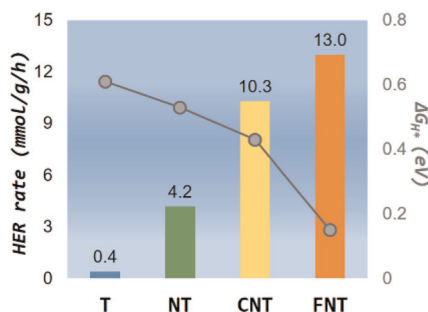
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Anisotropic charge transfer and gate tuning for p-SnS/n-MoS₂ vertical van der Waals diodes

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Synergistic material modification-induced optimization of interfacial charge transfer and surface hydrogen adsorption

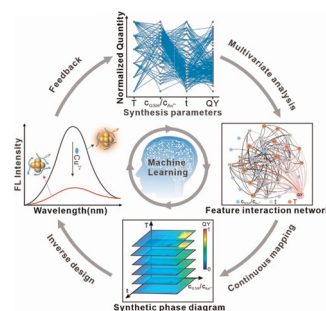
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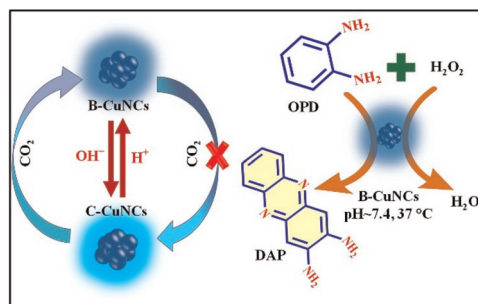
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pH-Switchable phenylalanine-templated copper nanoclusters: CO₂ probing and efficient peroxidase mimicking activity

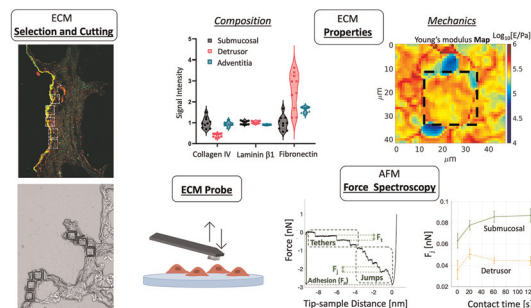
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Native extracellular matrix probes to target patient- and tissue-specific cell–microenvironment interactions by force spectroscopy

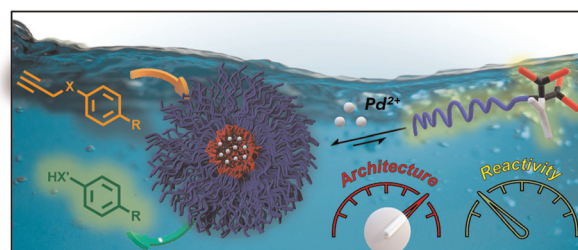
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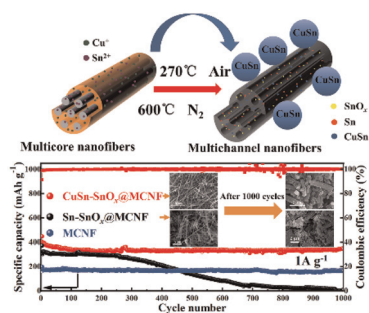
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Polymeric architecture as a tool for controlling the reactivity of palladium(II) loaded nanoreactors

Shreyas S. Wagle, Parul Rathee, Krishna Vippala, Shahar Tevet, Alexander Gordin, Roman Dobrovetsky and Roey J. Amir*



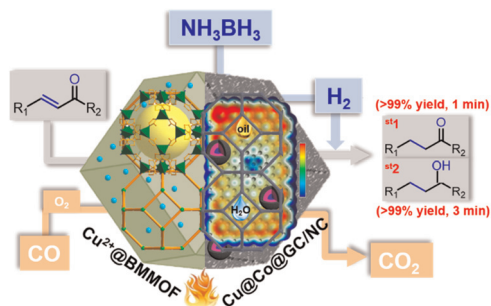
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Hybrid CuSn nanosphere-functionalized Cu/Sn co-doped hollow carbon nanofibers as anode materials for sodium-ion batteries

Xuwu Xiao, Wenli Yao,* Tingting Yan, Wenyao Zhang, Qian Zhang, Shengwen Zhong and Zhengquan Yan*

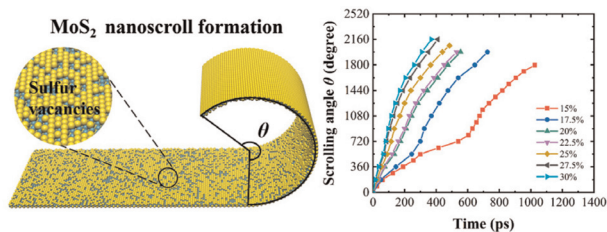
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Cu²⁺@metal-organic framework-derived amphiphilic sandwich catalysts for enhanced hydrogenation selectivity of ketenes at the oil-water interface

Jia-Lu Sun, Feng-Di Ren, Yu-Zhen Chen* and Zhibo Li*

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Spontaneous formation of MoS₂ nanoscrolls from flat monolayers with sulfur vacancies: a molecular dynamics investigation

Ruhao Yang, Han Ye,* Naizhang Sun and Wenjun Liu

