

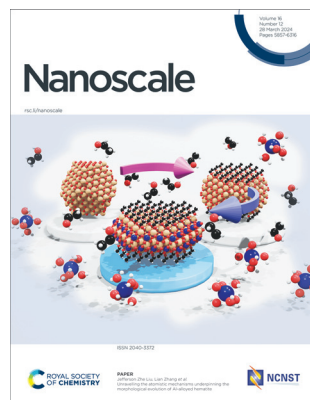
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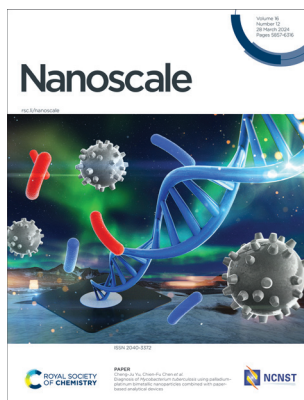
ISSN 2040-3372 CODEN NANOHL 16(12) 5857-6316 (2024)



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See Jefferson Zhe Liu,
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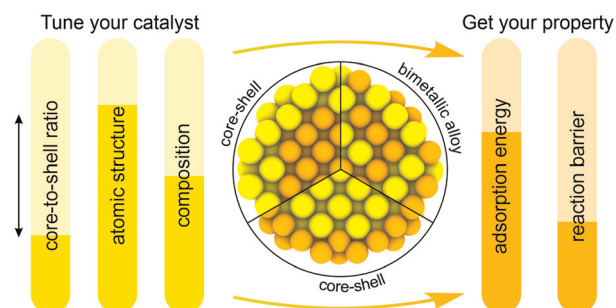
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Structure-driven tuning of catalytic properties of core-shell nanostructures

Ilya V. Chepkasov,* Aleksandra D. Radina and
Alexander G. Kvashnin

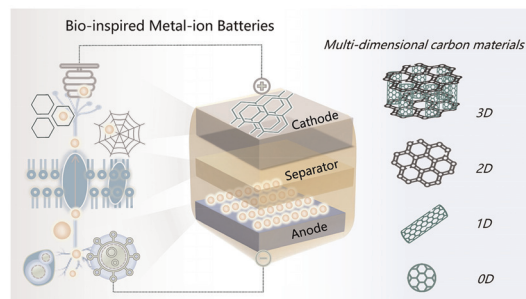


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Bio-inspired carbon electrodes for metal-ion batteries

Yihan Yang, Jiang Zhou, Apparao M. Rao* and
Bingan Lu*



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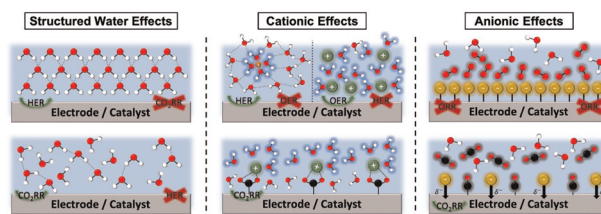


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Recent advances in the role of interfacial liquids in electrochemical reactions

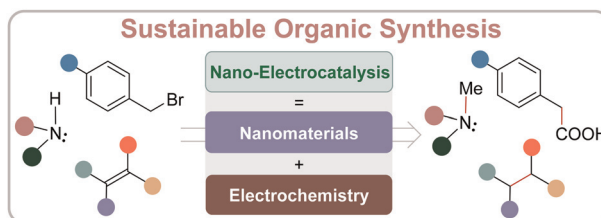
Rani Baidoun, Gexu Liu and Dohyung Kim*



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Nanostructured electrocatalysts for organic synthetic transformations

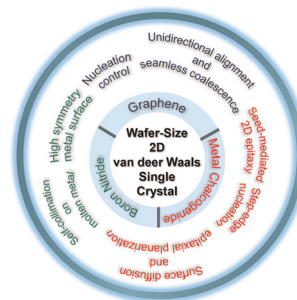
Francesco Mancuso, Paolo Fornasiero, Maurizio Prato, Michele Melchionna,* Federico Franco* and Giacomo Filippini*



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Wafer scale growth of single crystal two-dimensional van der Waals materials

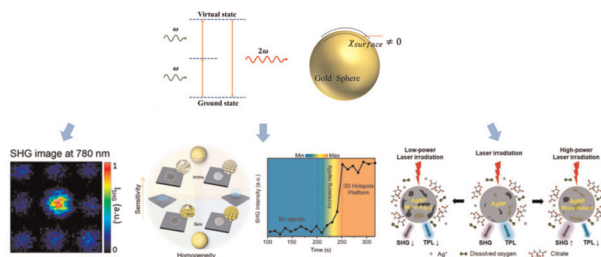
Chetna Gautam, Baishali Thakurta, Monalisa Pal, Anup Kumar Ghosh* and Anupam Giri*



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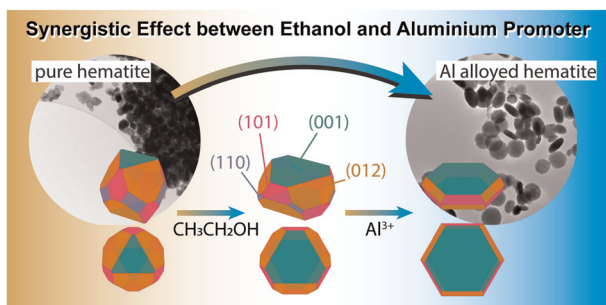
Plasmon-enhanced second harmonic generation of metal nanostructures

Cong-Cong Zhang, Jia-Yi Zhang, Jing-Ru Feng, Si-Ting Liu, Si-Jing Ding,* Liang Ma* and Qu-Quan Wang*



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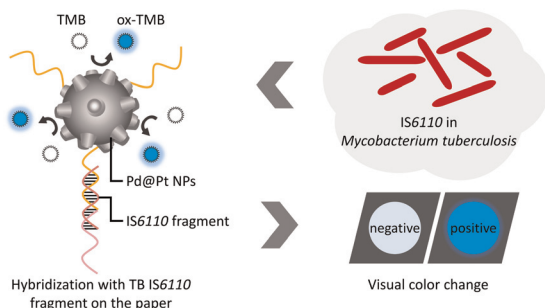
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Unravelling the atomistic mechanisms underpinning the morphological evolution of Al-alloyed hematite

Jinxing Gu, Sasha Yang, Jefferson Zhe Liu* and Lian Zhang*

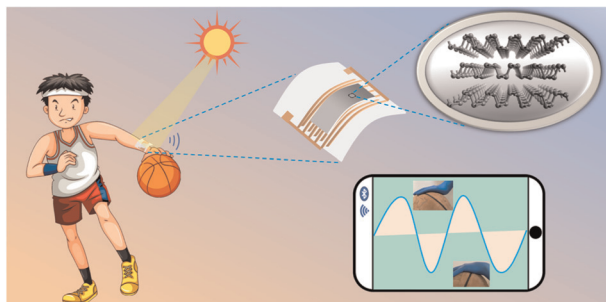
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Diagnosis of *Mycobacterium tuberculosis* using palladium–platinum bimetallic nanoparticles combined with paper-based analytical devices

Cheng-Yang Tung, Tsung-Ting Tsai, Ping-Yeh Chiu, Roman Viter, Arūnas Ramanavičius, Cheng-Ju Yu* and Chien-Fu Chen*

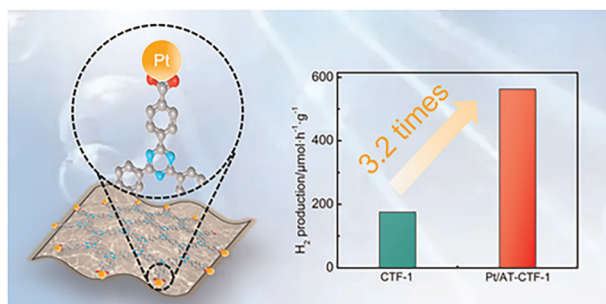
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Multifunctional black phosphorus pressure sensors with bending angle monitoring and direction recognition characteristics

Jiangtao Chen,* Guobin Ma, Xinyi Wang, Tiancheng Song, Yirun Zhu, Shuangju Jia, Xuqiang Zhang, Yun Zhao, Jianbiao Chen, Bingjun Yang and Yan Li

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Selective anchoring of Pt NPs on covalent triazine-based frameworks *via in situ* derived bridging ligands for boosting photocatalytic hydrogen evolution

Ling-Ling Zheng, Xiang Li, Dengke Wang, Ying Chen, Qian Fu, Dai-She Wu, Xiao-Zhen Liu* and Jian-Ping Zou*

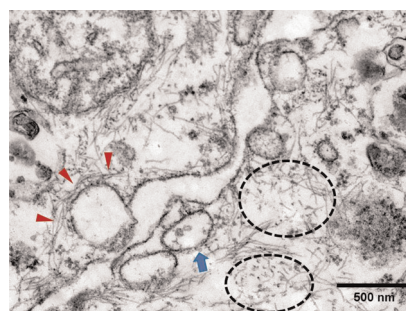


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Release of extracellular vesicles triggered by low-intensity pulsed ultrasound: immediate and delayed reactions

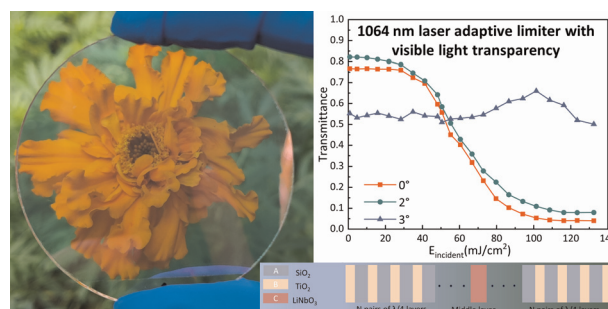
Yiwen Zheng, Mengyao Liu, Qian Yu, Rui Wang, Yijing Yao* and Lixin Jiang*



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A 1064 nm laser adaptive limiter with visible light transparency based on one dimensional photonic crystals of LiNbO₃ defects

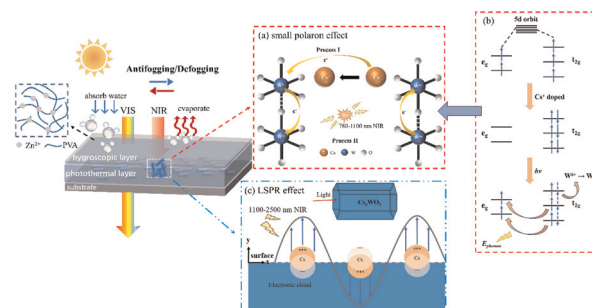
Guichuan Xu, Zhengang Lu,* Jing Yuan and Jiubin Tan



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Rational design and easy fabrication of transparent photothermal/hygroscopic composite coatings with long-lasting antifogging performance under sunlight activation

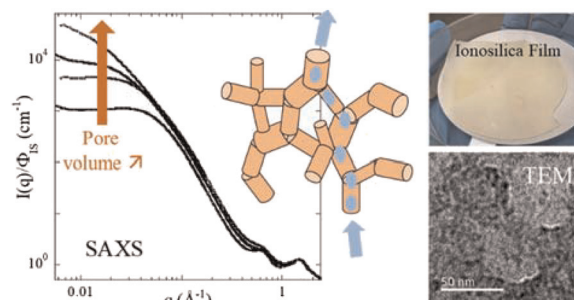
Jinyue Ma, Xiuxian Gu and Junhui He*



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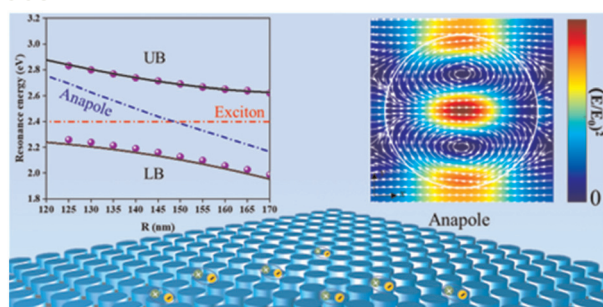
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Shilpa Sharma, Julian Oberdisse,* Johan G. Alauzun, Philippe Dieudonné-George, Thomas Bizien, Cansu Akkaya, Peter Hesemann and Anne-Caroline Genix*



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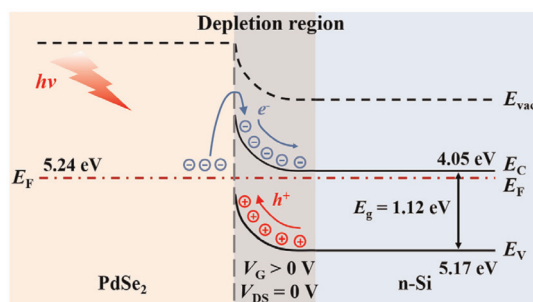
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Anapole assisted self-hybridized exciton-polaritons in perovskite metasurfaces

Weimin Yang, Jingyu Wang,* Yonglin He, Shengjie Jiang, Liling Hou and Liqiang Zhuo

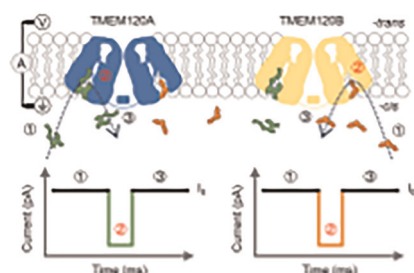
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A high-performance broadband phototransistor array of a PdSe₂/SOI Schottky junction

Yexin Chen, Qinghai Zhu, Jiabao Sun, Yijun Sun, Nobutaka Hanagata and Mingsheng Xu*

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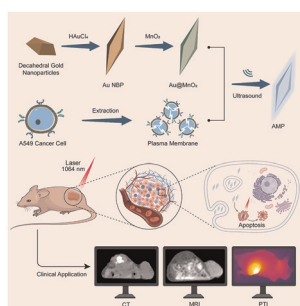


Membrane proteins TMEM120A and TMEM120B are used as sensors for the direct detection of CoA-SH and ATP at the single-molecule level.

Direct single-molecule detection of CoA-SH and ATP by the membrane proteins TMEM120A and TMEM120B

Changjian Zhao, Mutian Chen, Xiaofeng Liu, Weidan Yuan, Kaiju Li, Yu Wang, Chen Chen, Ming Zhang, Yuhang Dong, Yuling Xiao, Dong Deng and Jia Geng*

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Bionic nanotheranostic for multimodal imaging-guided NIR-II-photothermal cancer therapy

Meng Zhang, Yuxuan Zhang, Lifeng Hang, Tao Zhang, Chuangcai Luo, Wuming Li, Yiqiang Sun, Hua Wen, Yiyu Chen, Guihua Jiang* and Xiaofen Ma*

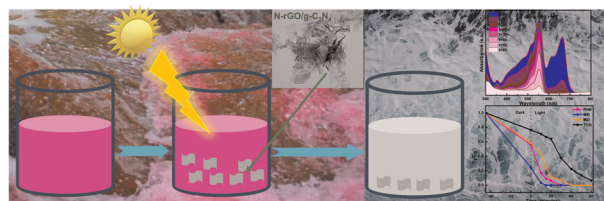


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Enhanced photocatalytic performance of the N-rGO/g-C₃N₄ nanocomposite for efficient solar-driven water remediation

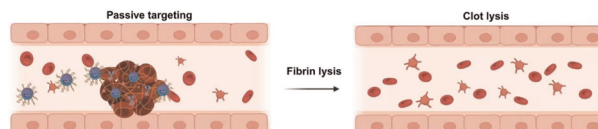
Shalu Gupta and Rakesh Kumar*



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Long-circulating nanoparticles as passive targeting nanocarriers for the treatment of thrombosis

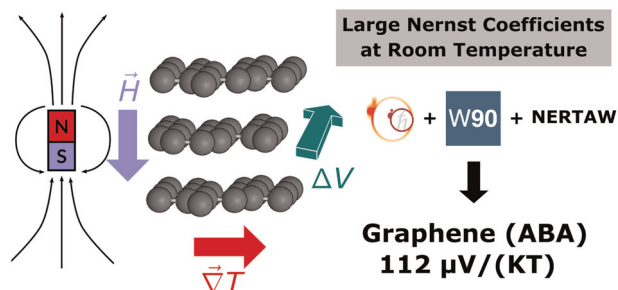
Junyao Li, Kegiang Lu, Shaokai Sun, Juanjuan Peng* and Lingzhi Zhao*



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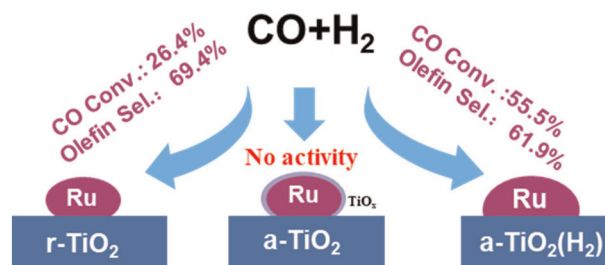
S. Emad Rezaei and Peter Schindler*



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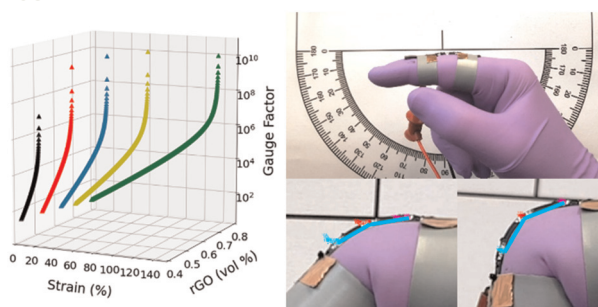
Control of metal–support interaction for tunable CO hydrogenation performance over Ru/TiO₂ nanocatalysts

Heyun Lin, Wenzhe Zhang, Huachen Shen, Hailing Yu, Yunlei An, Tiejun Lin* and Liangshu Zhong*



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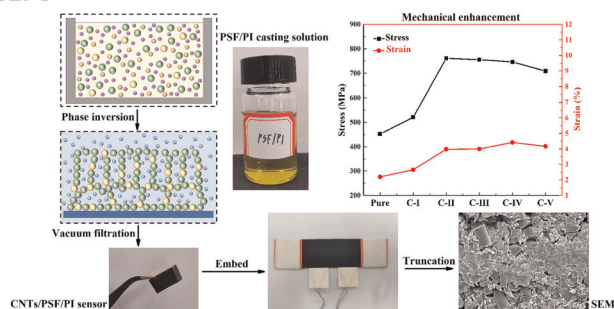
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A novel electrical depercolation model for stretchable nanocomposite strain sensors

Oliver Tomes, Aaron Soul, Han Zhang, Emiliano Bilotti and Dimitrios G. Papageorgiou*

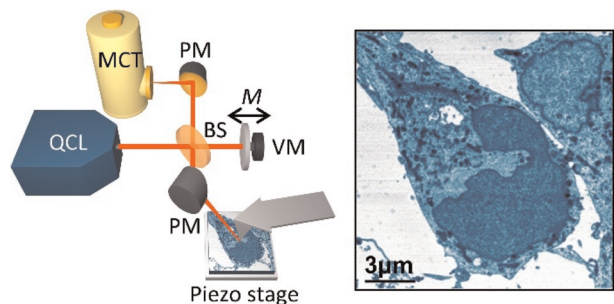
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Xiaoyu Cui, Ying Wang, Shaowei Lu,* Yuxuan Wang, Binbin Zhang, Yuxuan Yang, Yunqi Xie and Lu Zhang*

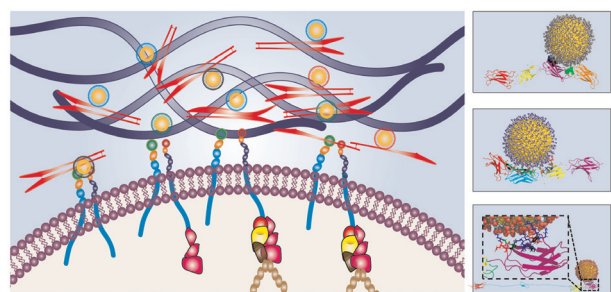
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George E. Greaves,* Leanne Allison, Pedro Machado, Corinne Morfill, Roland A. Fleck, Alexandra E. Porter and Chris C. Phillips*

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Nanoparticles traversing the extracellular matrix induce biophysical perturbation of fibronectin depicted by surface chemistry

Xing Guo, Lin Yang, Chaofan Deng, Luyao Ren, Shixin Li, Xianren Zhang, Jian Zhao and Tongtao Yue*

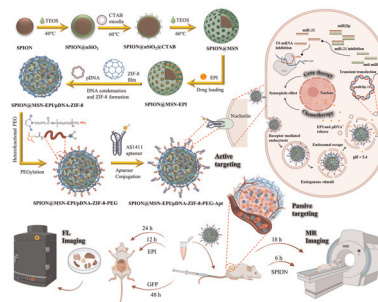


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Enhanced theranostic efficacy of epirubicin-loaded SPION@MSN through co-delivery of an anti-miR-21-expressing plasmid and ZIF-8 hybridization to target colon adenocarcinoma

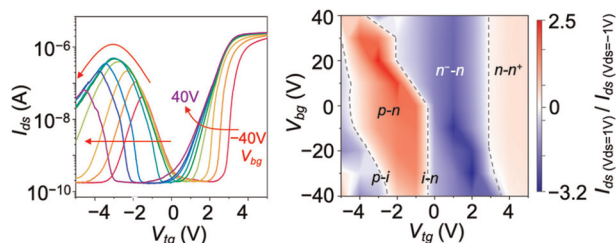
Amir Abrishami, Ahmad Reza Bahrami, Amir Sh. Saljooghi* and Maryam M. Matin*



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Electrically tunable interlayer recombination and tunneling behavior in WSe₂/MoS₂ heterostructure for broadband photodetector

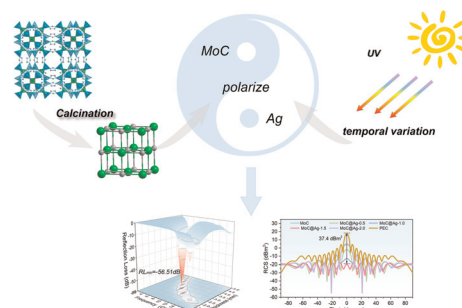
Chao Tan, Zhihao Yang, Haijuan Wu, Yong Yang, Lei Yang and Zegao Wang*



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Pengyuan Zhu, Yifan Kang,* Xinglong Li, Haoquan Yu, Tong Liu, Ming Song, Yanan Zhang, Lifan Zhou,* Ping Zhao* and Wenhuan Huang*



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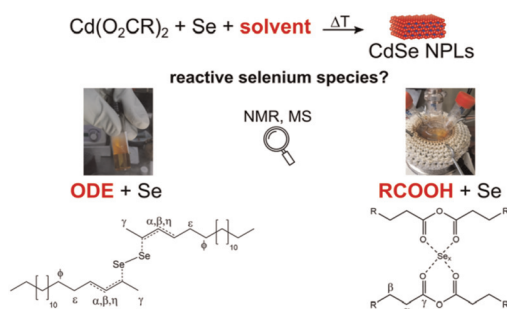
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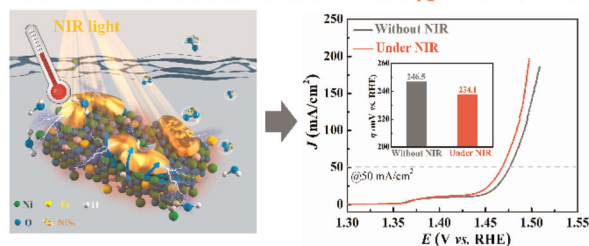


Selenium reduction pathways in the colloidal synthesis of CdSe nanoplatelets

Alessio Di Giacomo, Alina Myslovska, Vic De Roo, Jan Goeman, José C. Martins and Iwan Moreels*

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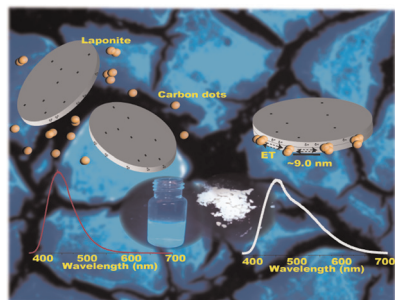
Photothermal and micro-electric field enhanced oxygen evolution reaction



An enhanced electrocatalytic oxygen evolution reaction by the photothermal effect and its induced micro-electric field

Feng Duan, Qian Zou, Junzhe Li, Xiaozhi Yuan, Xun Cui, Chuan Jing, Shengrong Tao, Xijun Wei,* Huichao He* and Yingze Song*

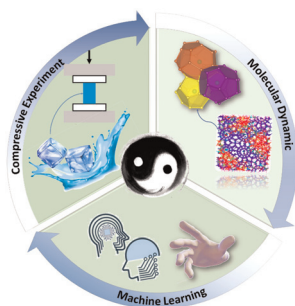
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Bruno S. D. Onishi, Albano N. Carneiro Neto, Ricardo Bortolotto-Santos, Valmor R. Masterlaro, Luís D. Carlos, Rute A. S. Ferreira* and Sidney J. L. Ribeiro*

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Insights into the mechanical stability of tetrahydrofuran hydrates from experimental, machine learning, and molecular dynamics perspectives

Yanwen Lin, Ziyue Zhou, Zixuan Song, Qiao Shi, Yongchao Hao, Yuequn Fu, Tong Li,* Zhisen Zhang and Jianyang Wu*



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Magnetotransport spectroscopy of electroburnt graphene nanojunctions

Zhengyang Jin, Caigan Xi, Jun Chen,* Yiping Ouyang, Feng Wang, Minhao Zhang* and Fengqi Song

