

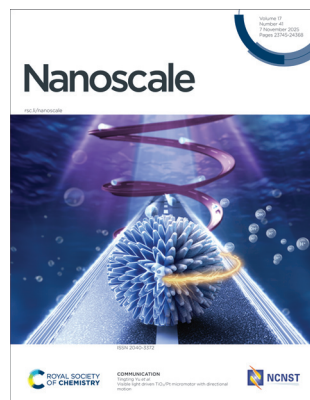
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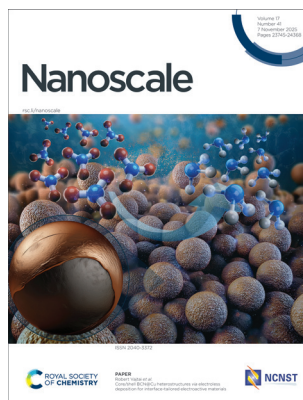
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Introduction to nanomedicines for crossing biological barriers

Lucie Sancey, Ariane Boudier, Elise Lepeltier, Marie-Pierre Rols, Jeanne Leblond Chain and Nguyễn T. K. Thanh

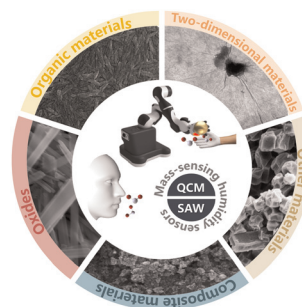


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Shanghai Lao, Zaihua Duan,* Qiuni Zhao,* Zhen Yuan, Yadong Jiang and Huiling Tai*



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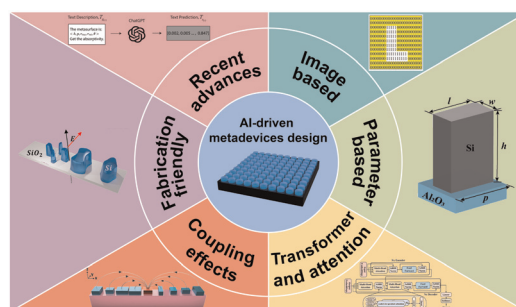
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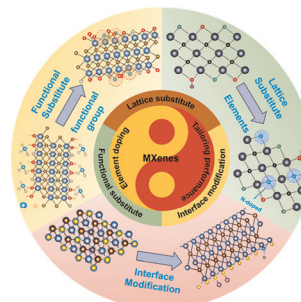
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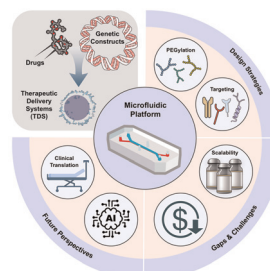
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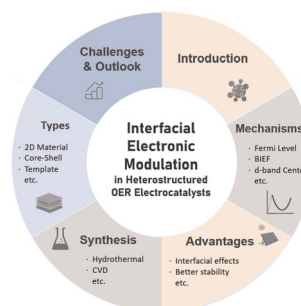


Engineering the Future: Microfluidic Design of Smart Nanocarriers for Overcoming Biological Barriers

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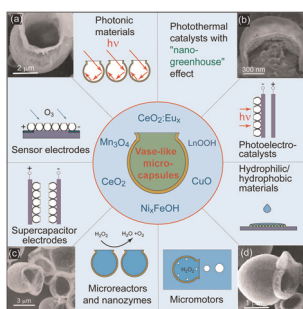
Interfacial electronic modulation in heterostructured OER electrocatalysts: a review

Xianglong Dai, Yechen Qian, Zijia Xu, Aini Xiong, Xiaoyang Zhang, Lichao Chen and Wenyaoyao Li*



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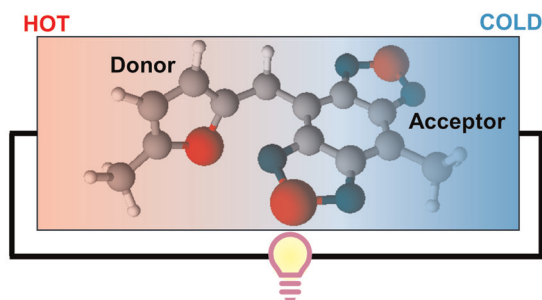
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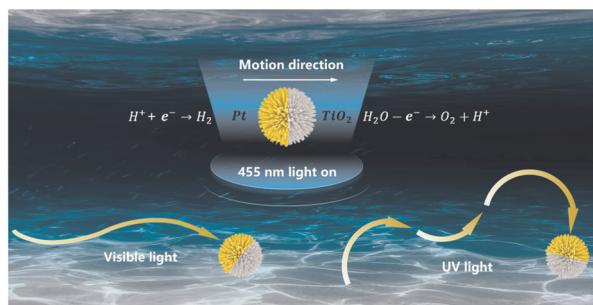


Donor–acceptor conjugated polymers as high-mobility semiconductors: prospects for organic thermoelectrics

Prithwish Biswas, Lingcheng Kong and Zhiting Tian*

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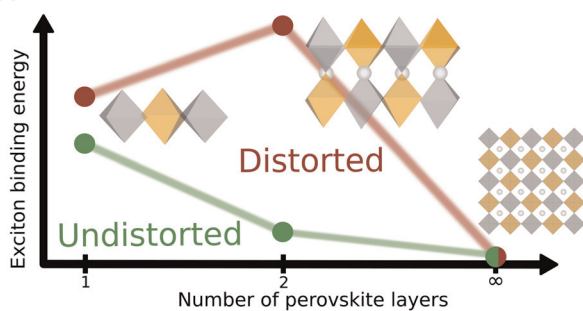
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Structural distortions control scaling of exciton binding energies in two-dimensional Ag/Bi double perovskites

Pierre Lechiffart,* Raisa-Ioana Biega and Linn Leppert*

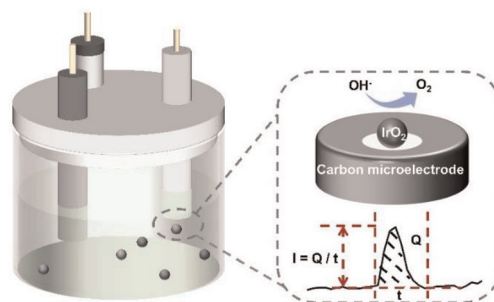


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An evaluation of the size-dependent electrocatalytic activity of single IrO₂ nanoparticles *via* nano-impact electrochemistry

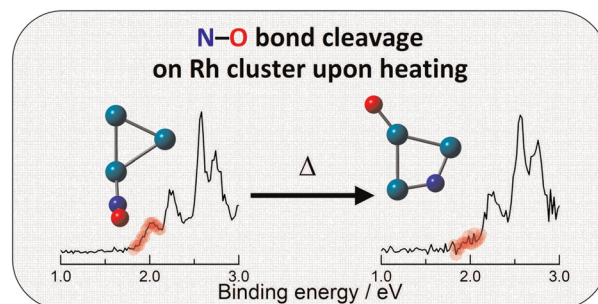
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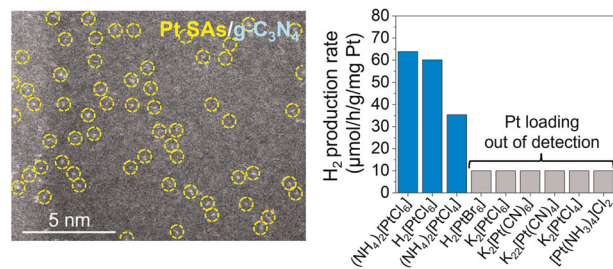
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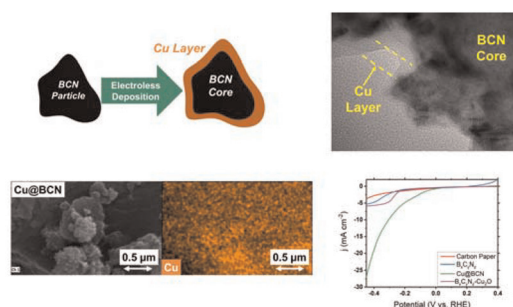


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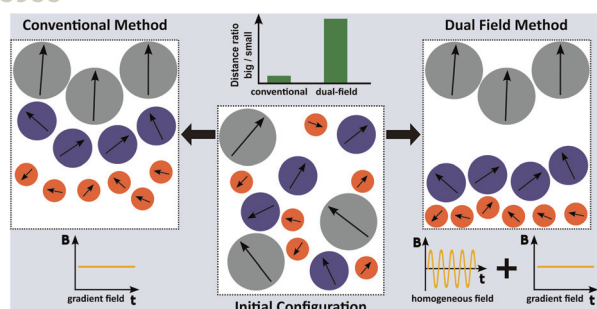
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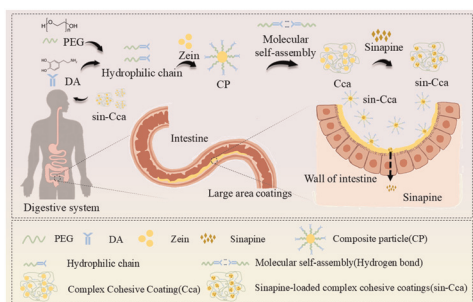
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Dual field magnetic separation for improved size fractionation of magnetic nanoparticles

Manuel Wolfschwenger,* Jonathan Leliaert, Aaron Jaufenthaler and Daniel Baumgarten

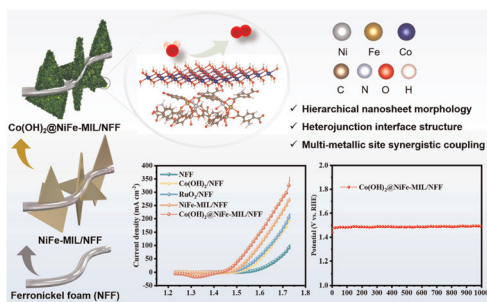
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Youdong Li, Yuanyuan Xu, Guoyan Liu, Li Liang, Xiaofang Liu, Jixian Zhang, Chaoting Wen and Xin Xu*

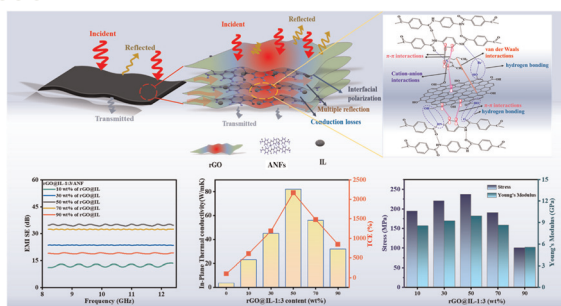
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The design and construction of a Co(OH)₂@NiFe-MIL/NFF heterostructure catalyst for efficient and ultrastable water oxidation

Xianyu Chu, Li Jing, Yixuan Cheng, Yuhan He, Wei Jiang, Yuanyuan Wu, Yantao Sun, Chunbo Liu,* Keyu Cui* and Guangbo Che*

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Ionic liquid-functionalized reduced graphene oxide-aramid nanofiber composite films for enhanced thermal conductivity, electromagnetic interference shielding, and mechanical properties

Rimsha Qurratulain, Dineshkumar Mani and Sung-Ryong Kim*

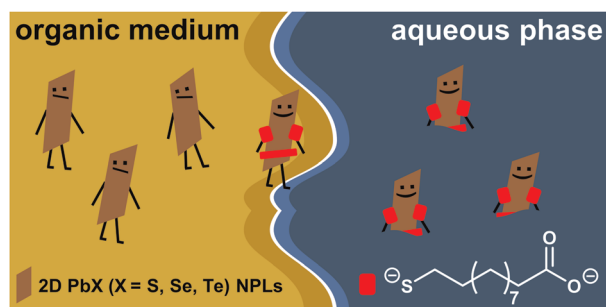


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Aqueous phase near-infrared emitters: water transfer of colloidal 2D PbS, PbSe and PbTe nanoplatelets

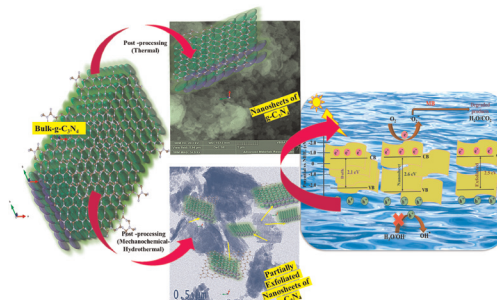
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Engineering 2D g-C₃N₄ for enhanced photocatalytic water purification: the impact of post-processing on activity enhancement

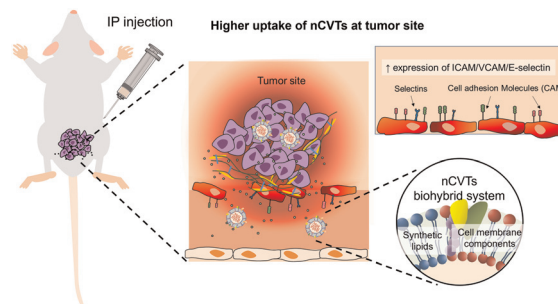
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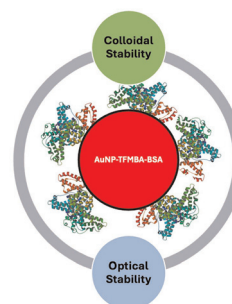
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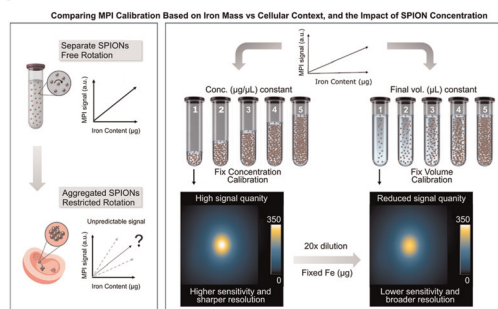
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Stabilization of SERS nanotags by BSA: insights into protein conformational dynamics across pH environments

Behnoosh Khodadadi and Mohammad Tavakkoli Yaraki*



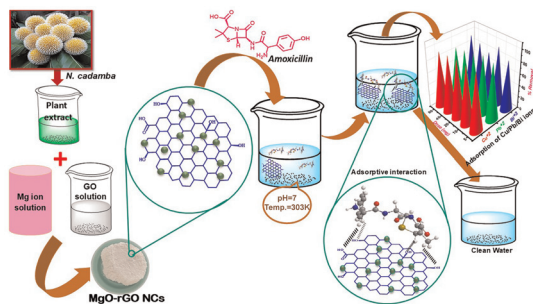
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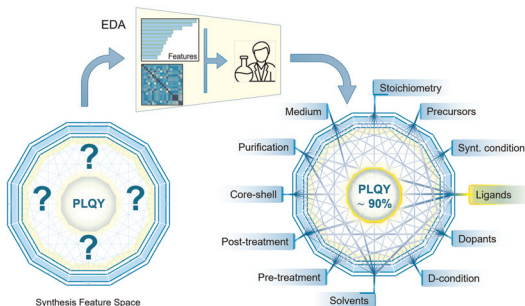
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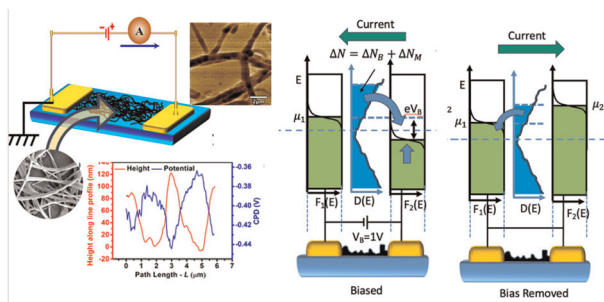
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Sovanlal Mondal, Suman Mandal, Ajoy Mandal, Samik Mallik, Shiv Prakash Verma, Riya Sadhukhan, Subhamay Pramanik and Dipak K. Goswami*

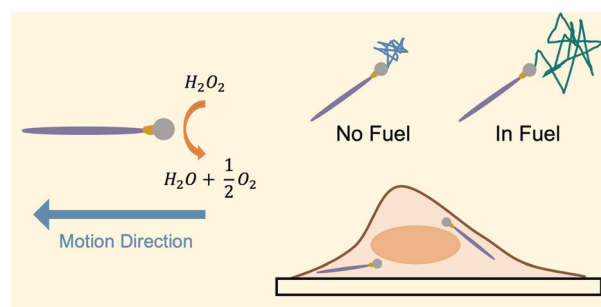


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Fuel-driven filamentous phage nanomotors

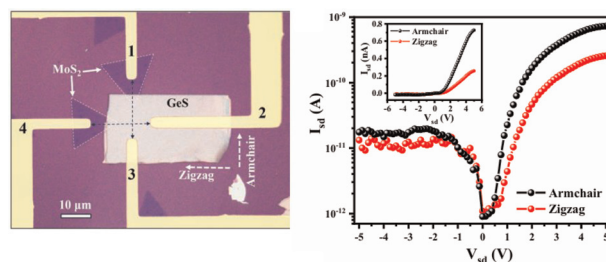
Xi Ding, Shamima Zaman, Emily P. Africa, Bahman Anvari and Elaine D. Haberer*



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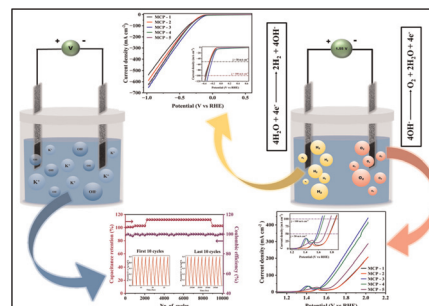
Rahul Paramanik, Tanima Kundu, Soumik Das, Alexey Barinov, Bikash Das, Bipul Karmakar, Sujan Maity, Mainak Palit, Kapildeb Dolui, Sanjoy Kr Mahatha* and Subhadeep Datta*



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Harnessing sonochemistry in MnCoP₂O₇ as trifunctional electrodes for symmetric supercapacitor and electrochemical water splitting applications

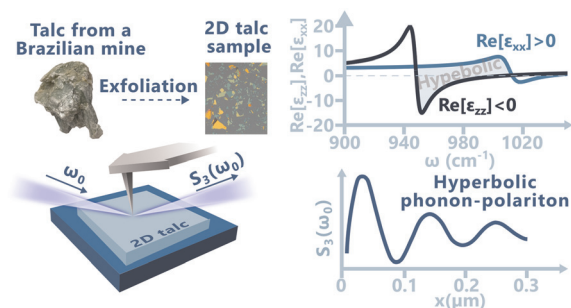
Pavithra Karthikesan, Jayachandran Madhavan and Alagiri Mani*



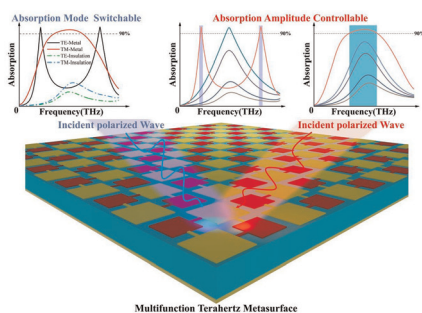
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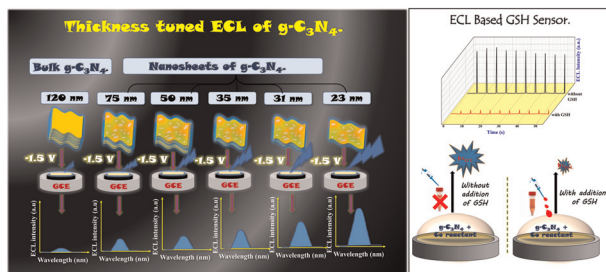
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Bifunctional terahertz meta-device with switchable properties between dual-narrowband absorption and broadband absorption

Weijun Zhou, Xuefeng Qin, Youqi Zhang, Yuxuan Chen, Qian Zhao, Nianxi Xu and Ben-Xin Wang*

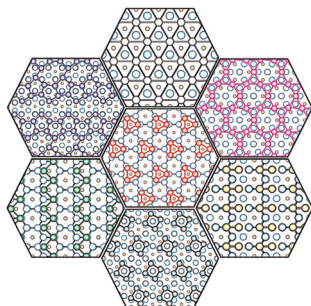
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Enhanced solid-state electrochemiluminescence platform for selective sensing of glutathione via finely tuned, thickness dependent graphitic carbon nitride nanosheets

Govindha Pandi Rajaram, Irudayasamy Arockia Nivetha and Shanmugam Senthil Kumar*

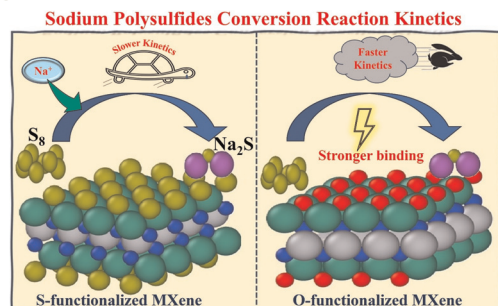
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Tuning polysulfide adsorption and catalytic activity via surface functionalization of Nb₂TiN₂ MXene in Na-S batteries

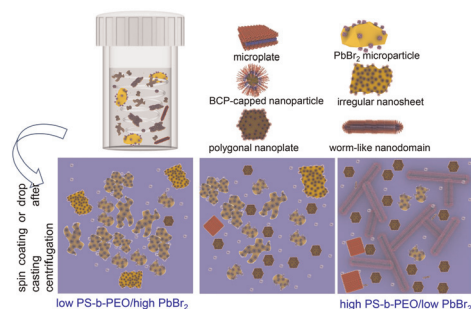
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Tunable formation of two-dimensional nanostructures and complex crystals *via* lead(II) bromide complexation and inclusion crystallization with polystyrene-*block*-poly(ethylene oxide) in 1,3,5-trimethylbenzene

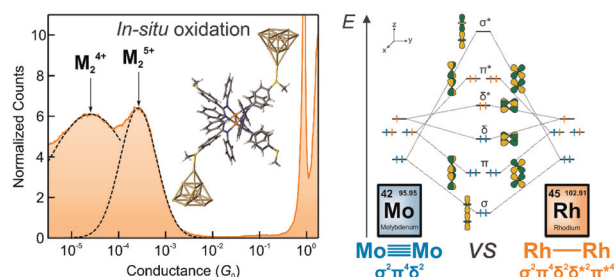
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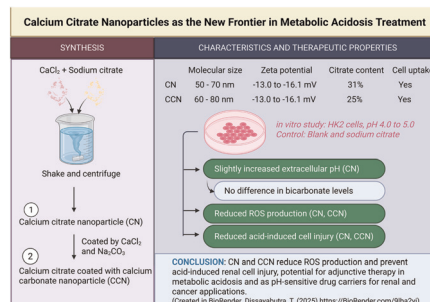
André Mang, Katawoura Beltako, Besa Kadriu, Michael Linseis, Fabian Pauly* and Rainer F. Winter*



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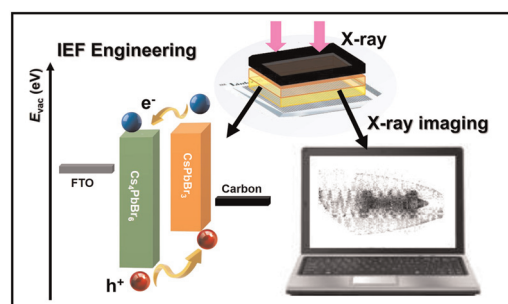
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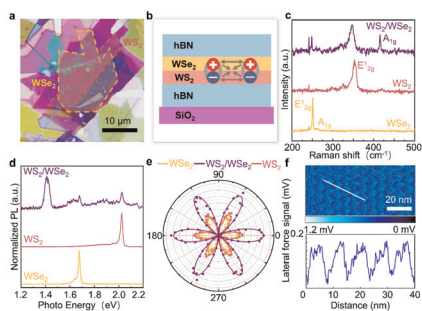
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Quantum-dots-based phase separation into a 3D/0D perovskite heterojunction for boosting X-ray detector performance

Han Li, Shanshan Yu, Handong Jin, Zikun Jin, Wei Qian, Wanshun Yang and Shihe Yang*



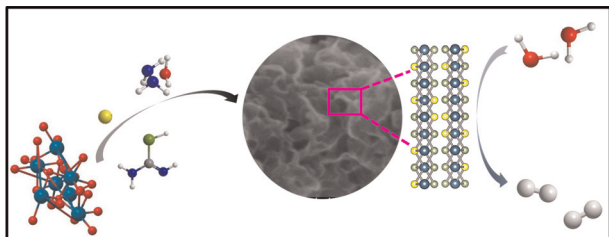
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Temperature dependence of excitonic Hubbard U interaction in WS₂/WSe₂ moiré superlattices

Zihao Wang, Haowen Xu, Shihong Chen, Yutang Wang, Rui Han, Zejun Sun, Xiushuo Zhang, Shuchun Huang, Wei Gao,* Huan Liu* and Dameng Liu*

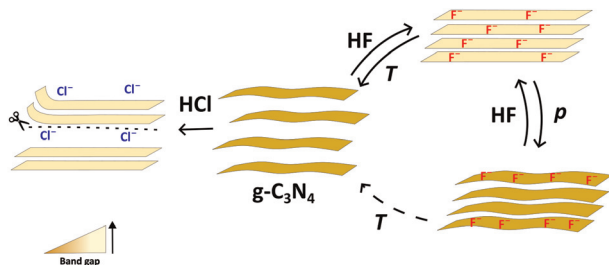
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Enhanced hydrogen evolution reaction performance of alloyed MoS_{1.34}Se_{0.78} with dominant 1T/T' phases

Qiulan Zhou, Zhen Liu, Xiaohu Luo, Xin Qin* and Weijian Xu*

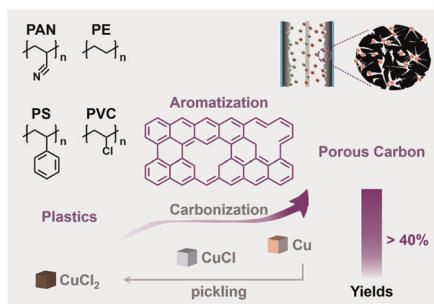
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Adaptive states of carbon nitride semiconductor materials treated with hydrofluoric acid

Oliver Stölting, Yaşar Krysiak and Sebastian Polarz*

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Upgrading commercial plastics for high-yield production of porous carbon electrode materials

Yanqin Zheng, Fuwang Wen, Hai Li, Fangbao Fu, Xihong Zu, Yanwei Wang, Almagul Mentbayeva and Wenli Zhang*

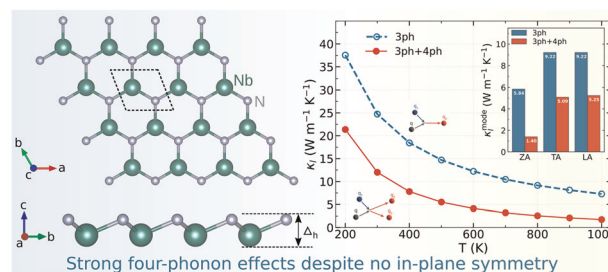


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Acoustic phonon-restricted four-phonon interactions: impact on thermal and thermoelectric transport in monolayer h-NbN

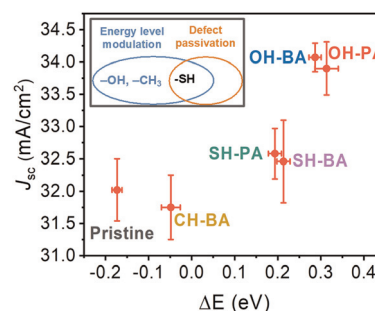
Himanshu Murari, Subhradip Ghosh, Mukul Kabir and Ashis Kundu*



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Small-molecule engineering of a PbS QD/ZnO nanowire interface and its impact on infrared PbS QD solar cell performance

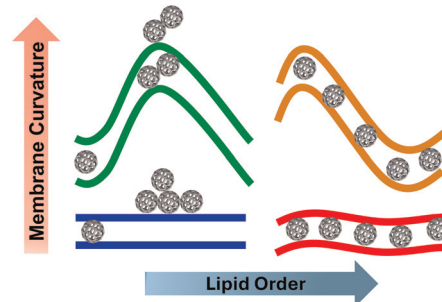
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The significance of lipid membrane curvature and lipid order for nano-C60 uptake

Ankush Singhal,* T. J. J. van Daalen and G. J. Agur Sevink*



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Electrochemical performance and characterization of a supercapacitor device using carbon nanotube/graphene nanoplatelet composites with biomass-derived carbon dots

Nitesh Choudhary, Dawid Janas, Ramesh Chandra and Pradip K. Maji*

