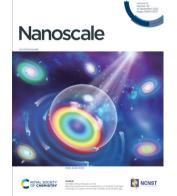
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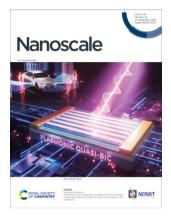
ISSN 2040-3372 CODEN NANOHL 15(34) 13845-14270 (2023)



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Synthesis and post-synthesis strategies for polychromatic carbon dots toward unique and tunable multicolor photoluminescence and associated emission mechanism

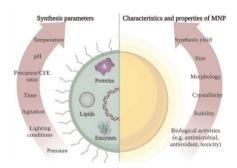
Md Moniruzzaman and Jongsung Kim*



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Isabela Karina Della-Flora and Cristiano José de Andrade*



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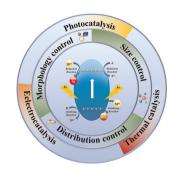


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Advances in photochemical deposition for controllable synthesis of heterogeneous catalysts

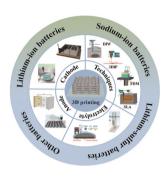
Guoli Chen, Rengui Li* and Lei Huang*



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3D printing of hierarchically micro/nanostructured electrodes for high-performance rechargeable batteries

Rui Wang, Youfang Zhang,* Wen Xi, Junpu Zhang, Yansheng Gong, Beibei He, Huanwen Wang and Jun Jin*

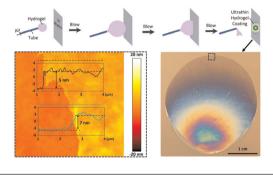


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Blowing-inspired ex situ preparation of ultrathin hydrogel coatings for visibly monitoring humidity and alkaline gas

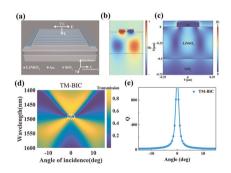
Xiao He, Ruijie Yang, Chaochen Xu, Ziqian Zhao, Y. Frank Cheng, Philip Egberts, Hongbo Zeng* and Qingye Lu*



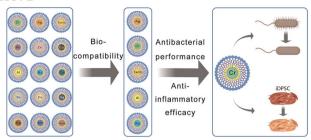
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The electro-optic spatial light modulator of lithium niobate metasurface based on plasmonic quasi-bound states in the continuum

Yao Ju, Hao Zhou, Yulei Huang, Yin Zhao, Xin Deng, Zuogang Yang, Fangjie Wang, Qiongqiong Gu, Guoliang Deng* and Haoyi Zuo



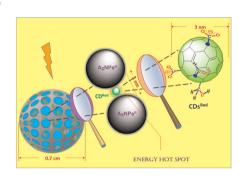
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Engineering core—shell chromium nanozymes with inflammation-suppressing, ROS-scavenging and antibacterial properties for pulpitis treatment

Fei Xie, Chuanda Zhu, Lidong Gong, Ningxin Zhu, Qiang Ma, Yuanyuan Yang, Xinrong Zhao, Man Qin, Zhiqiang Lin* and Yuanyuan Wang*

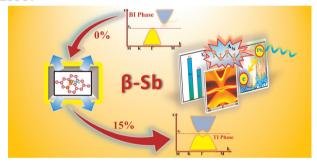
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Yi-Shan Hung, Chia-Wen Chang, Yi Chen Shen, Yun-Chi Yu, Wei-Lun Huang and Chia-Chi Huang*

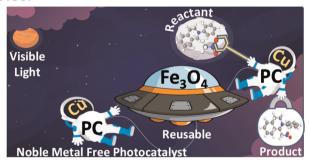
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Strain-engineered thermophysical properties ranging from band-insulating to topological insulating phases in β -antimonene

Sumit Kukreti, Surbhi Ramawat, Nirpendra Singh and Ambesh Dixit*

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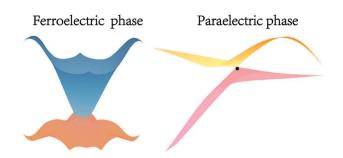
Unleashing the photocatalytic potential of a noblemetal-free heteroleptic copper complex-based nanomaterial for an enhanced aza-Henry reaction

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Weyl nodal lines, Weyl points and the tunable quantum anomalous Hall effect in twodimensional multiferroic metal oxynitride: Tl₂NO₂

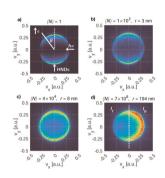
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Electron energy loss and angular asymmetry induced by elastic scattering in superfluid helium nanodroplets

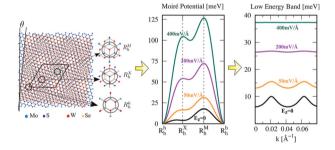
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Flattening conduction and valence bands for interlayer excitons in a moiré MoS₂/WSe₂ heterobilayer

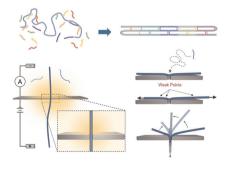
Sara Conti,* Andrey Chaves, Tribhuwan Pandey, Lucian Covaci, François M. Peeters, David Neilson and Milorad V. Milošević*



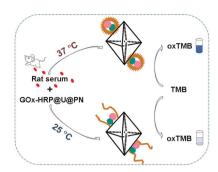
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DNA origami characterized via a solid-state nanopore: insights into nanostructure dimensions, rigidity and yield

Liqun He, Martin Charron, Philipp Mensing, Kyle Briggs, Jonathan Adams, Hendrick de Haan and Vincent Tabard-Cossa*



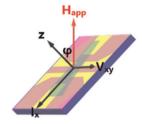
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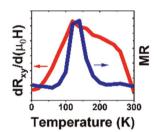


Design of enzyme@metal organic framework composites with thermo-responsivity for colourimetric detection of glucose

Muhammad Ali Taiwar, Cheng Cheng and Li Qi*

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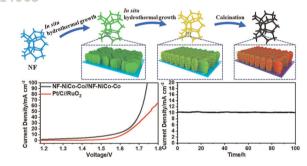




Probing antiferromagnetism in exfoliated Fe₃GeTe₂ using magneto-transport measurements

Stasiu T. Chyczewski,* Ji Shi, Hanwool Lee, Paolo F. Furlanetto, Kai Xu, Arend M. van der Zande and Wenjuan Zhu*

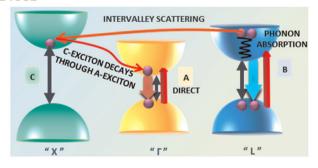
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Three-dimensional Ni foam supported NiCoO₂@Co₃O₄ nanowire-on-nanosheet arrays with rich oxygen vacancies as superior bifunctional catalytic electrodes for overall water splitting

Yixiang Pan, Xiaoyan Wang, Hua Lin, Qinghua Xia, Maoxiang Jing, Weiyong Yuan* and Chang Ming Li

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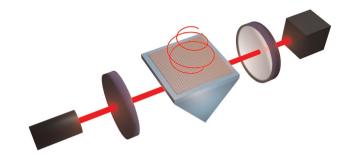
Ultrafast glimpses of the excitation energydependent exciton dynamics and charge carrier mobility in Cs₂SnI₆ nanocrystals

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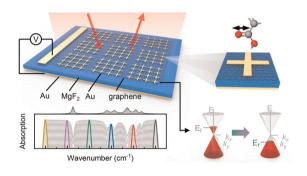
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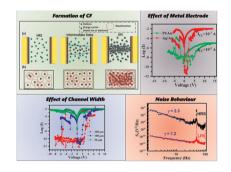
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Synthesis of a large area ReS₂ thin film by CVD for in-depth investigation of resistive switching: effects of metal electrodes, channel width and noise behaviour

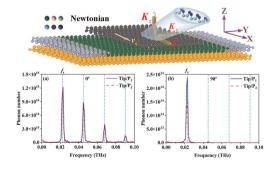
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Phonon mechanism of angle-dependent superlubricity between black phosphorus layers

Yun Dong,* Weibin Hui, Zhiyuan Rui, Yusong Ding, Fangming Lian and Yi Tao

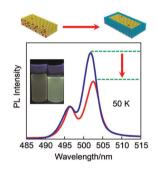


14131 Cr(OH)₃ Urea electrolysis 1 h Ni₃S₂/Cr(OH)₃-Ti₃C₂@NF Ti₃C₂@NF

Anchoring Ni₃S₂/Cr(OH)₃ hybrid nanospheres on Ti₃C₂@NF dual substrates by ion exchange for efficient urea electrolysis

Yifeng Liu, Qianqiao Chen* and Qin Zhong

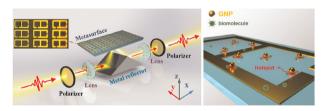
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Lateral surface passivation of CdSe nanoplatelets through crown management

Huan Liu, Peixian Chen, Xuanyu Zhang, Xiongbin Wang, Tingchao He* and Rui Chen*

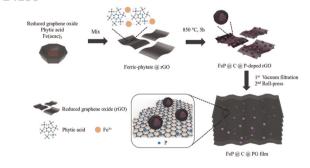
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THz enantiomers of drugs recognized by the polarization enhancement of gold nanoparticles on an asymmetric metasurface

Wei-Nan Shi, Yi-Ming Wang, Fei Fan,* Jia-Yue Liu, Jie-Rong Cheng, Xiang-Hui Wang* and Sheng-Jiang Chang

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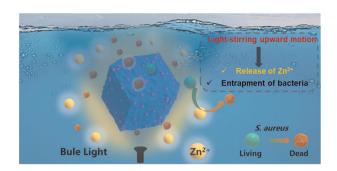
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Seungman Park, Chae Won Kim, Kyu Sang Lee, Seon Jae Hwang and Yuanzhe Piao*

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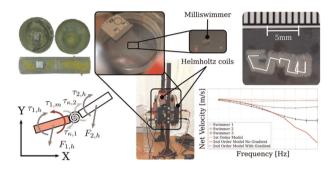
Hai Huang, Yu Zhao, Haowei Yang, Jie Li, Yulong Ying,* Jinhua Li* and Sheng Wang*



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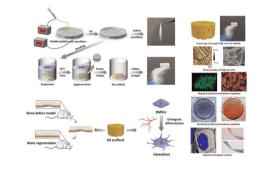
Emma Benjaminson, Taryn Imamura, Aria Lorenz, Sarah Bergbreiter, Matthew Travers and Rebecca E. Taylor*



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Novel PVAMA/GelMA aerogels prepared by liquidphase collection of photoinitiated polymerisation: injectable and flowable low-density 3D scaffolds for bone regeneration

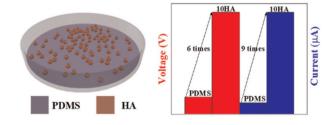
Manxuan Liu, Yihan Sun, Lijun Liu, Zhiying Zhang, Maierhaba Aimaijiang, Lu Zhang, Sezhen Quni, Minghui Li, Xiuyu Liu, Daowei Li, Junhu Zhang* and Yanmin Zhou*



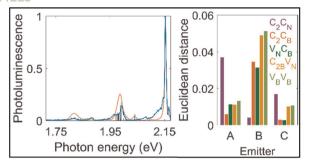
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Highly stretchable hydroxyapatite bionanocomposite for high-performance triboelectric nanogenerators

Thien Trung Luu, Nghia Dinh Huynh, Hakjeong Kim, Zong-Hong Lin* and Dukhyun Choi*



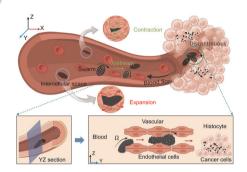
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Combining experiments on luminescent centres in hexagonal boron nitride with the polaron model and ab initio methods towards the identification of their microscopic origin

Moritz Fischer, Ali Sajid, Jake Iles-Smith, Alexander Hötger, Denys I. Miakota, Mark K. Svendsen, Christoph Kastl, Stela Canulescu, Sanshui Xiao, Martijn Wubs, Kristian S. Thygesen, Alexander W. Holleitner and Nicolas Stenger*

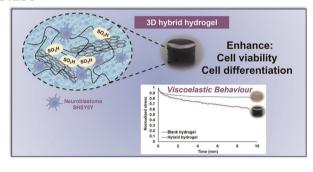
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Magnetic nanoparticle swarm with upstream motility and peritumor blood vessel crossing ability

Luyao Wang, Chunyuan Gan, Hongyan Sun and Lin Feng*

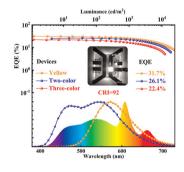
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Mimicking the extracellular matrix by incorporating functionalized graphene into hybrid hydrogels

Josué M. Galindo, Irene San-Millán, Carlos A. Castillo-Sarmiento, Inmaculada Ballesteros-Yáñez, M. Antonia Herrero,* Sonia Merino* and Ester Vázquez*

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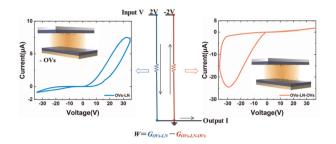
High-efficiency all fluorescence white OLEDs with high color rendering index by manipulating excitons in co-host recombination layers

Yuan-Bo Zhang, Ya-Nan Li, Chun-Fang Zhang, Jia-Bo Liu, Jia-Rui Li, Hao-Dong Bian, Lian-Qing Zhu, Jian-Zhen Ou, Lin-Song Cui* and Yuan Liu*

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Controllable modulation of the oxygen vacancyinduced adjustment of memristive behavior for direct differential operation with transistor-free memristor

Qin Xie, Xinqiang Pan,* Wenbo Luo, Yao Shuai, Huizhong Zeng, Jiejun Wang, Yuting Liu, Xudong Yang, Lu Lv, Jiaqi Xu, Hao Yan, Chuangui Wu and Wanli Zhang



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Correction: In situ synthesis of silver nanowire gel and its super-elastic composite foams

Shu Huang,* Chuang Feng, Edwin L. H. Mayes, Bicheng Yao, Zijun He, Sajjad Asadi, Tuncay Alan and Jie Yang*

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Correction: Synaptic plasticity and non-volatile memory characteristics in TiN-nanocrystal-embedded 3D vertical memristor-based synapses for neuromorphic systems

Seyeong Yang, Taegyun Kim, Sunghun Kim, Daewon Chung, Tae-Hyeon Kim, Jung Kyu Lee, Sungjoon Kim, Muhammad Ismail, Chandreswar Mahata, Sungjun Kim* and Seongjae Cho*

RETRACTION

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Retraction: Radio-photothermal therapy mediated by a single compartment nanoplatform depletes tumor initiating cells and reduces lung metastasis in the orthotopic 4T1 breast tumor model

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