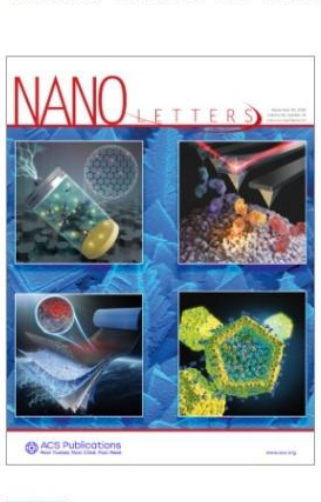
Nano Letters

Issue Table of Contents



Decade 2020 Year 2026 Issue September 30, - Volume 26, Issue 38, Pages 12601 - 13142

Volume 26, Issue 38

September 30, 2026
ISSN 1530-6984 EISSN 1530-6992

Download Cover
Get Alerts

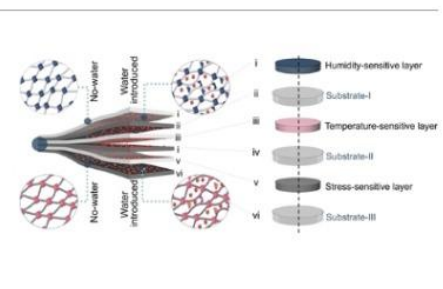
Prev Issue

In this Issue
Letters
Mastheads

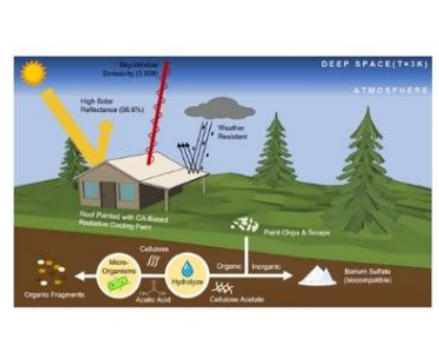
Table of Contents

Letters

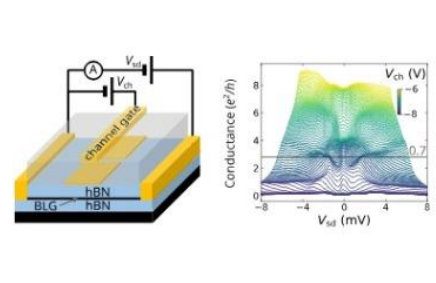
Subscribed
Multimodal Perception through Synergistic Interface Fusion and Machine-Learning Decoupling in Vertically Integrated Flexible Sensors
Lu Wang; Langyuan Cao; Jianhua Fan; Jiaze Ding; Changchao Zhang; Kunyang Wang; Zhiwu Han; Luquan Ren
Nano Lett. (2026) 26 (38): 12601–12611.
https://doi.org/10.1021/acs.nanolett.6c01353
Abstract View Article PDF



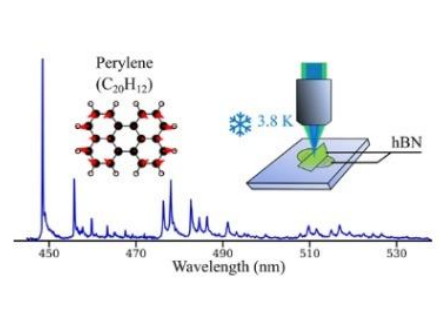
Subscribed
Biodegradable Paints for Daytime Radiative Cooling
Ziqi Fang; Yun Zhang; Emily Barber; Ziqi Guo; Won-June Lee; Tian Li; Xiulin Ruan
Nano Lett. (2026) 26 (38): 12612–12619.
https://doi.org/10.1021/acs.nanolett.6c01376
Abstract View Article PDF



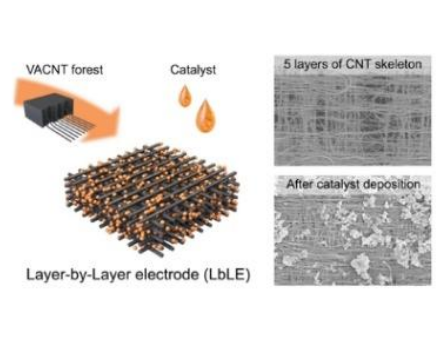
Open Access
Tunable Kondo Behavior in a Bilayer Graphene Quantum Channel
Josep Ingla-Aynés; Serhii Volosheniuk; Talieh S. Ghiasi; Angelika Knothe; Kenji Watanabe; Takashi Taniguchi; Vladimir I. Fal'ko; Herre S. J. van der Zant
Nano Lett. (2026) 26 (38): 12620–12627.
https://doi.org/10.1021/acs.nanolett.6c01707
Abstract View Article PDF



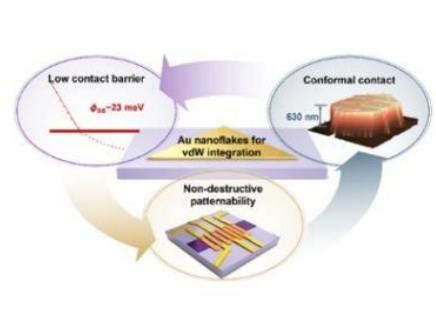
Open Access
Aromatic Molecular Emitters in a Hexagonal Boron Nitride Stack
Tianyu Fang; Ricardo Gioia Alvarez; Babak Behjati; Moritz Scharfstädt; Max Masuhr; Bo Deng; Noah Henseler; Andrea Bergschneider; Stefan Linden; Christian Schäfer; Daqing Wang
Nano Lett. (2026) 26 (38): 12628–12637.
https://doi.org/10.1021/acs.nanolett.6c01870
Abstract View Article PDF



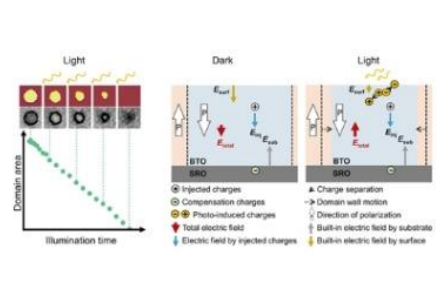
Subscribed
Layer-by-Layer Electrode Design Integrating a Macroporous Carbon-Nanotube Skeleton for an Anion-Exchange Membrane Water Electrolyzer
Sungeun Heo; SungBin Park; Jae Myeong Lee; Min Seok Gi; Dae Hyun Lee; Jun Ho Min; Minkyung Bae; Sung Jong Yoo; Hyunjoon Lee; Ju Hun Park; Gaeun Hong; Ji Seong Hyung; Ji Eun Park; Changsoon Choi; Yung-Eun Sung
Nano Lett. (2026) 26 (38): 12638–12645.
https://doi.org/10.1021/acs.nanolett.6c02052
Abstract View Article PDF



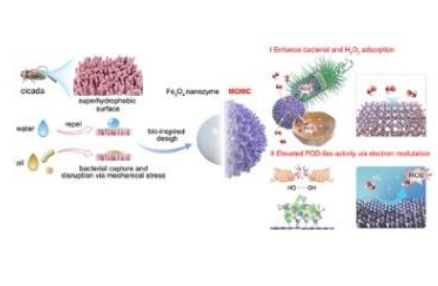
Subscribed
Chemically Synthesized Single-Crystalline Gold Flakes for Patternable van der Waals Contacts
Tingwei Liu; Tong Yue; Chen-kai Yang; Zhewei Li; Weijia Mu; Dongge Wang; Yaming Zhou; Liying Jiao
Nano Lett. (2026) 26 (38): 12646–12654.
https://doi.org/10.1021/acs.nanolett.6c02189
Abstract View Article PDF


Low contact barrier
Conformal contact
Au nanoflakes for vdW integration
Non-destructive patternability

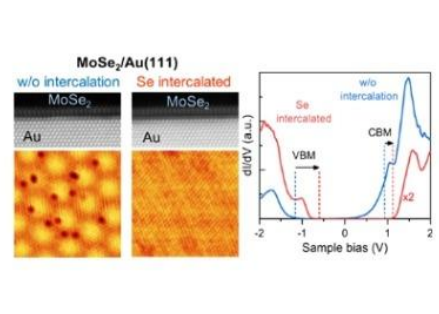
Subscribed
Photoinduced Linear Motion of Ferroelectric Domain Walls for Neuromorphic Pattern Recognition
Tao Chen; Zheyuan Deng; He Jiang; Huida Yan; Haohua Wen; Xiaoyue Zhang; Linjie Liu; Zhaoyang Wang; Zhanwei Huang; Songyou Yao; Bangmin Zhang; Wenpeng Zhu; Yue Zheng
Nano Lett. (2026) 26 (38): 12655–12663.
https://doi.org/10.1021/acs.nanolett.6c02212
Abstract View Article PDF



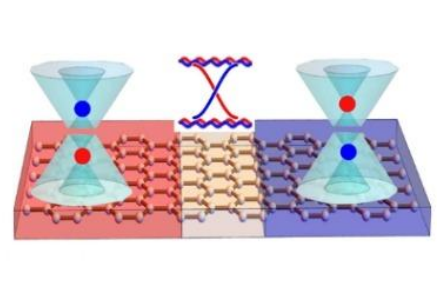
Subscribed
Macrophage-Inspired Fe_3O_4 Nanozymes with a Hydrophobic Spiky Topography for Treating Drug-Resistant Bacteria
Jia-Cheng Lv; Shi-Peng Chen; Yu-Qing Wei; Ming Yan; Zhi-Guo Wang; Su-Jiao Cao; Jia-Zhuang Xu; Li Qiu; Zhong-Ming Li
Nano Lett. (2026) 26 (38): 12664–12674.
https://doi.org/10.1021/acs.nanolett.6c02274
Abstract View Article PDF



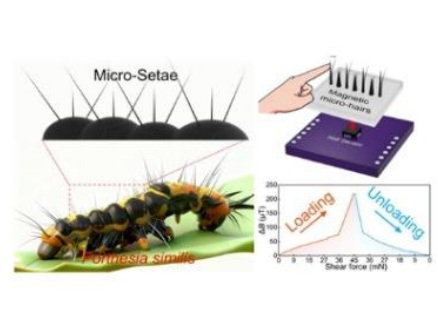
Open Access
Intrinsic Fermi Level Pinning and Reversible Depinning at Ultralow-Defect Epitaxial $MoSe_2$/Au(111) Interfaces
Guan-Hao Chen; Cheng-Rong Hsing; Li-Syuan Lu; Po-Sen Mao; Pei-Yu Chuang; Yi Chou; Yu-Shiuan Su; Chih-Pin Lin; Tuo-Hung Hou; Juhn-Jong Lin; Yi-Chia Chou; Cheng-Maw Cheng; Ching-Ming Wei; Chun-Liang Lin; Wen-Hao Chang
Nano Lett. (2026) 26 (38): 12675–12684.
https://doi.org/10.1021/acs.nanolett.6c02384
Abstract View Article PDF



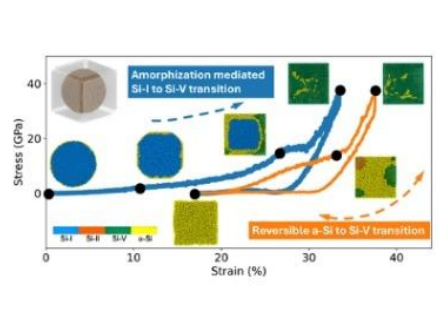
Subscribed
Euler Topology in Superconducting Honeycomb Lattices
Rasoul Ghadimi; Chiranjit Mondal; Bohm-Jung Yang
Nano Lett. (2026) 26 (38): 12685–12692.
https://doi.org/10.1021/acs.nanolett.6c02407
Abstract View Article PDF



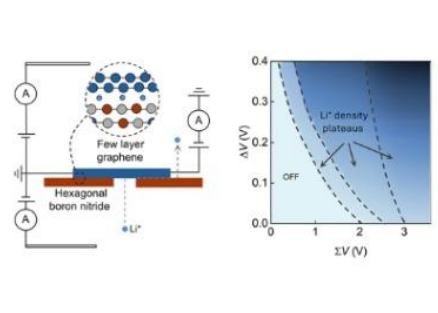
Subscribed
Bioinspired Flexible Tactile Sensor with Hierarchical Microhair Array for Multiscenario Perception
Sizhu Wu; Shijie Liao; Yiyuan Wang; Suwan Zhu; Zhaoxin Lao
Nano Lett. (2026) 26 (38): 12693–12701.
https://doi.org/10.1021/acs.nanolett.6c02453
Abstract View Article PDF



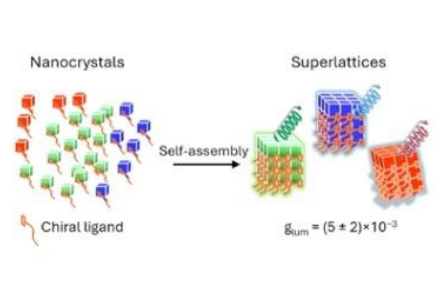
Open Access
Amorphization-Mediated Si-I to Si-V Phase Transition and Reversible Amorphous Si-V Phase Memory in Silicon Nanoparticles
Ziye Deng; Reza Namakian; Wei Gao
Nano Lett. (2026) 26 (38): 12702–12708.
https://doi.org/10.1021/acs.nanolett.6c02592
Abstract View Article PDF



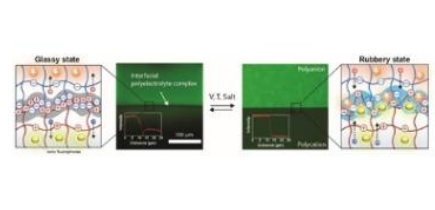
Subscribed
Electrostatic Control of Li^+ Density and Transport Rate in Double-Gated van der Waals Devices
E. Hoenig; X. Zhang; C. Li; J. Tong; G. Chen; L. Chen; D. Domaretskiy; D. R. da Costa; F. M. Peeters; M. Lozada-Hidalgo
Nano Lett. (2026) 26 (38): 12709–12715.
https://doi.org/10.1021/acs.nanolett.6c02610
Abstract View Article PDF



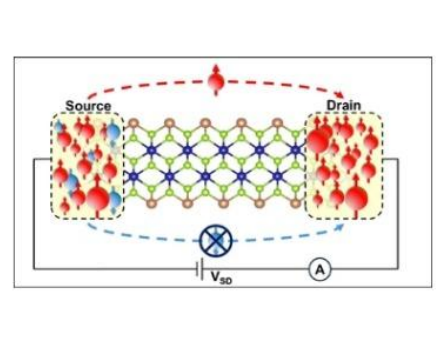
Open Access
Emergent Circularly Polarized Luminescence from Self-Assembled Chiral-Ligand-Functionalized $CsPbBr_3$ Nanocrystals
Prasenjit Mandal; Mohit Chaudhary; Jeanne Cloarec; Oleg V. Prezhdo; Dmitry Baranov
Nano Lett. (2026) 26 (38): 12716–12724.
https://doi.org/10.1021/acs.nanolett.6c02634
Abstract View Article PDF



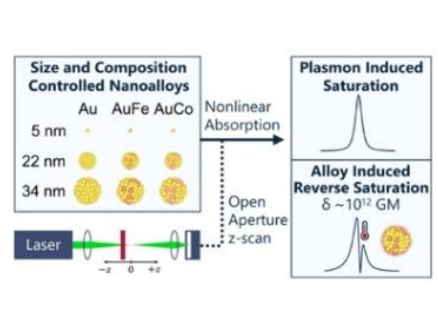
Subscribed
Kinetically Arrested Interfacial Polyelectrolyte Complexes Enable Ionic Rectification in Ionoelastomer Heterojunctions
Younghoon Kim; Chankyu Kim; Seungju Lee; Chan-Hyuk Jeon; Han Hee Cho; Hyeong Jun Kim
Nano Lett. (2026) 26 (38): 12725–12733.
https://doi.org/10.1021/acs.nanolett.6c02638
Abstract View Article PDF



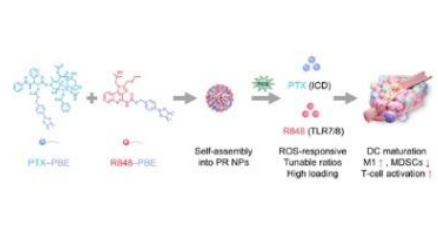
Open Access
$CrSbSe_3$ Nanowire: A Platform for Near-Perfect Spin Selectivity
Alyssa Horne; Yongmei M. Jin; Ranjit Pati
Nano Lett. (2026) 26 (38): 12734–12741.
https://doi.org/10.1021/acs.nanolett.6c02702
Abstract View Article PDF



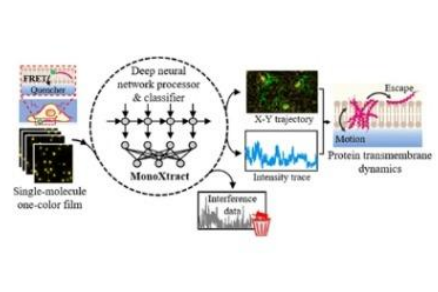
Subscribed
Transition-Metal Incorporation Enables Reverse Saturable Absorption in Gold Nanoparticles
Bart J. B. Smeets; Amirmostafa Amiriani; Vito Coviello; Kevin Anthony Kaw; Waqas Pervez; Michael Bissoli; Vincenzo Amendola; Peter Lievens; Ewald Janssens
Nano Lett. (2026) 26 (38): 12742–12749.
https://doi.org/10.1021/acs.nanolett.6c02696
Abstract View Article PDF


Size and Composition Controlled Nanoalloys
Au AuFe AuCo
5 nm
22 nm
34 nm
Nonlinear Absorption
Open Aperture z-scan
Laser
Plasmon Induced Saturation
Alloy Induced Reverse Saturation

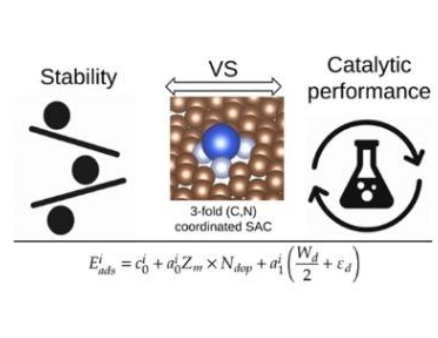
Subscribed
Tumor-Activated Carrier-Free Dual-Prodrug Nanoassemblies for Synergistic Chemo-Immunotherapy
Luyao Wang; Zhaofan Yang; Yuanzhen Su; Guanyu Jin; Shanyi Lin; Bingzheng Yu; Huicong Zhou; Qi Zhang; Shucheng Zhang; Zhuoling Bi; Jiawen Xu; Sijun Xiang; Shixian Lv; Haochen Yao; Linlin Liu
Nano Lett. (2026) 26 (38): 12750–12760.
https://doi.org/10.1021/acs.nanolett.6c02599
Abstract View Article PDF



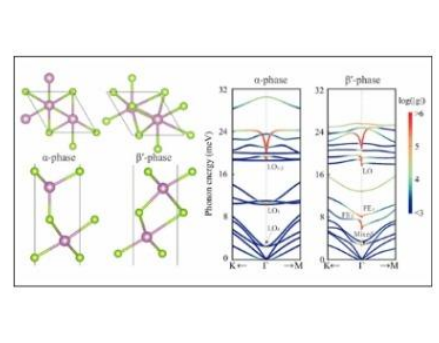
Subscribed
MonoXtract: A Deep Learning Framework for Extracting Transmembrane Protein Dynamics from Single-Color Single-Molecule Imaging
Xiang Li; Chenguang Yang; Chen Lin; Hao Wang; Vicky W. Q. Hou; Xuejin Zhou; Qing Gu; Jie Qiu; Jinjin Zhong; Junwei Li; Ming Li; Jianwei Shuai; Dongfei Ma; Ying Lu
Nano Lett. (2026) 26 (38): 12761–12770.
https://doi.org/10.1021/acs.nanolett.6c02759
Abstract View Article PDF



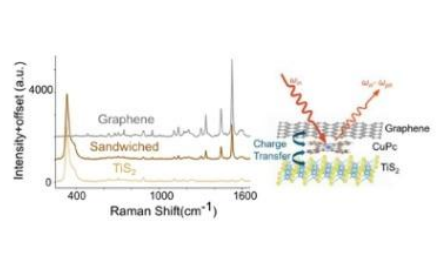
Subscribed
The Tradeoff behind Optimal 3-Fold (C,N)-Coordinated Single-Atom Catalysts
Théo Bequet; Florian Brix; Safouan Ziat; Corentin Martinez; Laurent Piccolo; Emilie Gaudry
Nano Lett. (2026) 26 (38): 12771–12778.
https://doi.org/10.1021/acs.nanolett.6c02777
Abstract View Article PDF



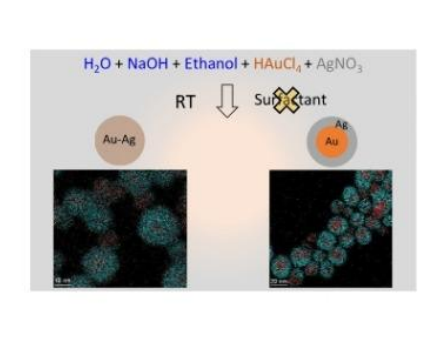
Subscribed
Fractional-Quantum Ferroelectrics: A Route to High-Mobility Ferroelectric Semiconductors
Rong-Tian Pang; Wenjie Hu; Youning Liu; Jin-Jian Zhou
Nano Lett. (2026) 26 (38): 12779–12786.
https://doi.org/10.1021/acs.nanolett.6c02776
Abstract View Article PDF



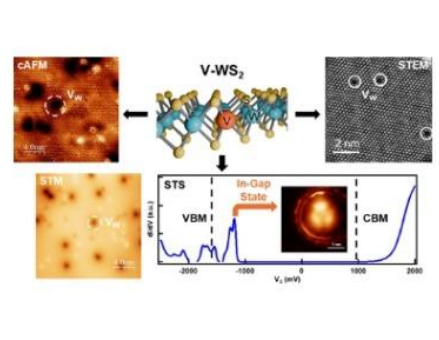
Open Access
Raman Enhancement of Molecules Sandwiched between van der Waals Materials
Xielin Wang; Nguyen Tuan Hung; Shengxi Huang
Nano Lett. (2026) 26 (38): 12787–12794.
https://doi.org/10.1021/acs.nanolett.6c02758
Abstract View Article PDF



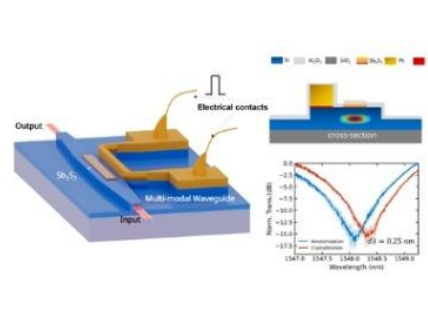
Open Access
Straightforward Syntheses of Alloys and Core–Shell Nanoparticles: The Benefits of Surfactant-Free Alcohol-Mediated Strategies Illustrated with Au–Ag Nanomaterials
Julie Agerbo Burslund; Aleksandra Smolska; Javier Eiroa Soto; Xianxian Xie; Kristian Junker Andersen; Armin Asghari Alamdari; Eugenio Solla; Jonathan Quinson
Nano Lett. (2026) 26 (38): 12795–12801.
https://doi.org/10.1021/acs.nanolett.6c02771
Abstract View Article PDF



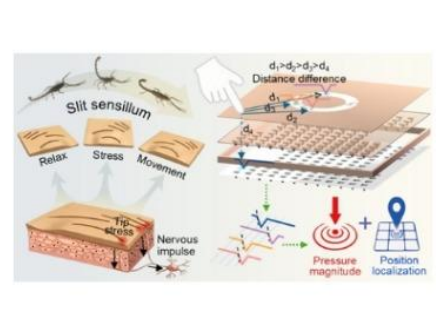
Subscribed
Individual Vanadium Dopants Form Deep In-Gap States in Monolayer WS_2
Tianhui Zhu; Carlos A. Gonzalez; Shihao Tu; Søren Tornøe; Ivan Pelayo; Dong-Rong Wu; Zhehao Ge; Hem Prasad Bhusal; Kenji Watanabe; Takashi Taniguchi; Nobuhiko P. Kobayashi; Yuan Ping; Jairo Velasco, Jr.; Aiming Yan
Nano Lett. (2026) 26 (38): 12802–12810.
https://doi.org/10.1021/acs.nanolett.6c02833
Abstract View Article PDF



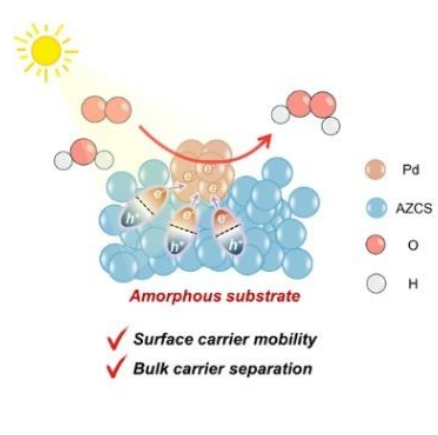
Subscribed
Mode-Engineered Metal Microheaters for Low-Loss Nonvolatile Phase-Change Photonics
Gokul Nath S J; Virat Tara; Jayita Dutta; Andrew Tang; Rui Chen; Arka Majumdar
Nano Lett. (2026) 26 (38): 12811–12817.
https://doi.org/10.1021/acs.nanolett.6c02844
Abstract View Article PDF



Subscribed
Scorpion's Slit Sensillum-Inspired Flexible Pressure-Position Sensor with Low Channel Consumption and High Localization Accuracy
Shengqi Chen; Xiancun Meng; Yufan Zhang; Dakai Wang; Liuqi Ji; Minze Hu; Jiangyue Lu; Haiwen Sun; Zhengzhi Mu; Bo Li; Shichao Niu; Zhiwu Han; Luquan Ren
Nano Lett. (2026) 26 (38): 12818–12827.
https://doi.org/10.1021/acs.nanolett.6c02941
Abstract View Article PDF

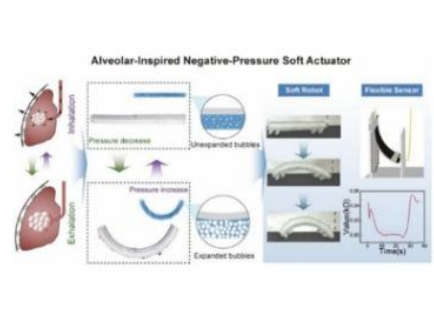


Subscribed
Amorphization and Pd Loading Synergistically Enable Bulk-to-Surface Charge Carrier Separation for Efficient Photocatalytic H_2O_2 Production
Xinzhe Cao; Xinyu Tong; Qiwen Su; Jing Leng; Minghua Xu; Chunsheng Ding; Depeng Meng; Xiaowen Ruan; Xiaoqiang Cui
Nano Lett. (2026) 26 (38): 12828–12838.
https://doi.org/10.1021/acs.nanolett.6c02936
Abstract View Article PDF

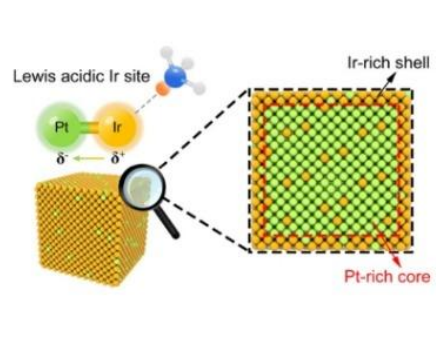


Subscribed
The Interfacial Proton-Transfer Pathway Boosted Acidic Oxygen Evolution
HuangJingWei Li; Haoyu Li; Zhijie Li; Jiali Wu; Changjiang Liu; Kang Liu; Hongmei Li; Junyuan Duan; Min Liu
Nano Lett. (2026) 26 (38): 12839–12848.
https://doi.org/10.1021/acs.nanolett.6c02937
Abstract View Article PDF

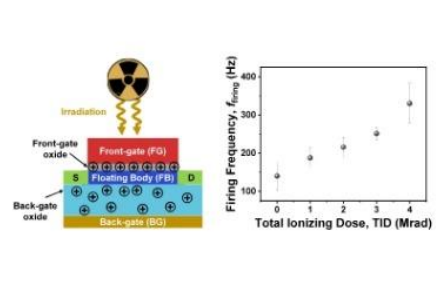
Subscribed
Alveolar-Inspired Negative-Pressure Soft Actuators with Integrated Actuation–Sensing
Xueli Zhou; Ruidan Zhang; Yansong Chen; Zhihui Qian; Qingping Liu; Zhen Shang; Lei Ren; Luquan Ren
Nano Lett. (2026) 26 (38): 12849–12856.
https://doi.org/10.1021/acs.nanolett.6c02923
Abstract View Article PDF



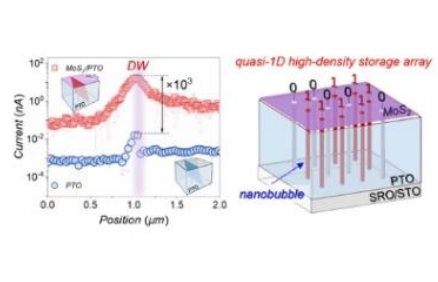
Subscribed
Core–Shell PtIr Nanocubes with Lewis Acidic Ir Sites for Enhanced Ammonia Electrooxidation in Direct Ammonia Fuel Cells
Sisi Liu; Peng Huang; Chao Wang; Fengchun Zhou; Weiyi Shen; Wenjun Shi; Zhuoying Dong; Lifang Zhang; Xiaolei Yuan; Tao Qian
Nano Lett. (2026) 26 (38): 12857–12866.
https://doi.org/10.1021/acs.nanolett.6c02958
Abstract View Article PDF



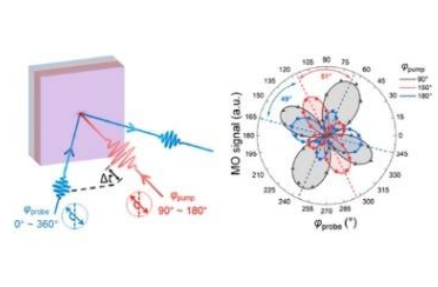
Subscribed
A Firing-Based Ionizing Radiation-Sensitive Transistor Operating through a Single-Transistor Latch
Seong-Yun Yun; Do-Wan Kim; Sang-Won Lee; Jeong-A Han; Yang-Kyu Choi
Nano Lett. (2026) 26 (38): 12867–12875.
https://doi.org/10.1021/acs.nanolett.6c02964
Abstract View Article PDF



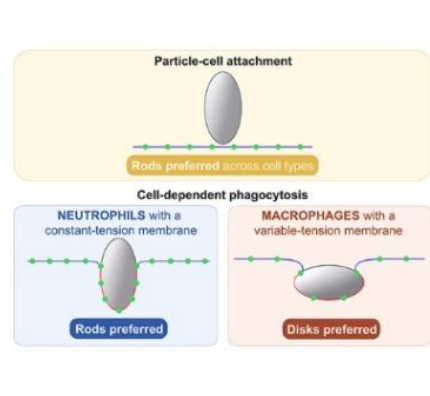
Subscribed
Giant Ferroelectric Domain Wall Conductance in $MoS_2/PbTiO_3$ Heterostructure for High-Density Memory
Yihang Guo; Hua Fan; Yong Yao; Zhongfen An; Jianbiao Xian; Houlin Zhou; Guo Tian; Zhang Zhang; Zhen Fan; Jun-Ming Liu; Xingsen Gao
Nano Lett. (2026) 26 (38): 12876–12883.
https://doi.org/10.1021/acs.nanolett.6c02965
Abstract View Article PDF



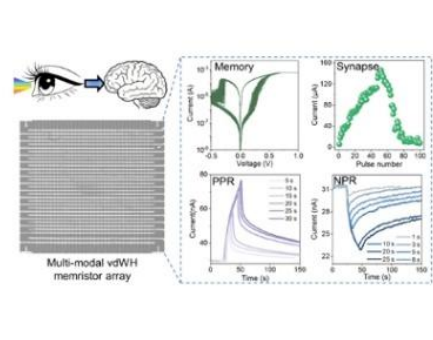
Subscribed
Spin-Sensitive Optical Anisotropy Controlled by Pump Polarization in the Kagome Antiferromagnet FeSn
Chongtao Kong; Xionghua Liu; Ping Yang; Wanxiang Feng; Kaiyou Wang; Yuhang Ren; Xinhui Zhang
Nano Lett. (2026) 26 (38): 12884–12891.
https://doi.org/10.1021/acs.nanolett.6c02963
Abstract View Article PDF



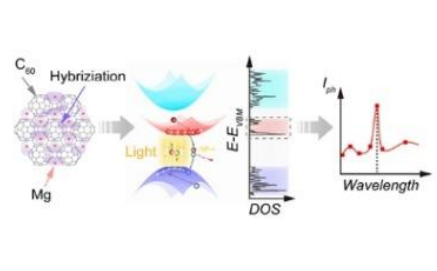
Open Access
Cell-Dependent Particle Shape Preference during Phagocytosis is Governed by Cell Mechanics
Shu Yang; Leila Elhaissouni; Joshua A. Placides; Konstantinos Zinelis; Qin M. Qi
Nano Lett. (2026) 26 (38): 12892–12900.
https://doi.org/10.1021/acs.nanolett.6c03038
Abstract View Article PDF


Particle-cell attachment
Cell-dependent phagocytosis
NEUTROPHILS with a constant-tension membrane
MACROPHAGES with a variable-tension membrane
Rods preferred
Disks preferred

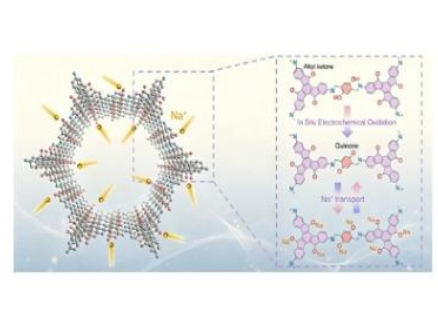
Subscribed
A Bidirectional Photosensitive Multimodal $PdSe_2/MoS_2$ van der Waals Heterostructure Memristor Array for In-Sensor Neuromorphic Vision
Changxu Yin; Yesheng Li; Yi Wang; Xiaolin Zhang; Yao Xiong; Jun He
Nano Lett. (2026) 26 (38): 12901–12911.
https://doi.org/10.1021/acs.nanolett.6c03046
Abstract View Article PDF



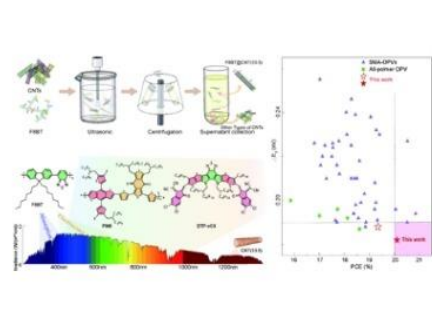
Subscribed
Hybridized Flat Band-Assisted Photoresponse Enhancement in Superatomic Crystal Mg_4C_{60}
Minghong Li; Cong Wang; Qixing Wang; Hao Mei; Zhengkuan Deng; Erfa Sunzi; Huiyin Wu; Xizhe Wen; Xiaochen Hong; Alei Li; Yi Zheng; Sheng Yang; Youpin Gong; Young Sun; Wei Ji; Fangdong Tang
Nano Lett. (2026) 26 (38): 12912–12920.
https://doi.org/10.1021/acs.nanolett.6c03080
Abstract View Article PDF



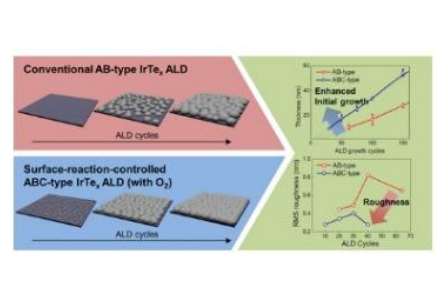
Subscribed
In Situ Electrochemical Construction of Dual-Carbonyl Sites in 2D Covalent Organic Framework for Enhanced Sodium Storage
Xuan Peng; Zhiyuan Liu; Yanan Kou; Shuangqin Yang; Wenjie Zhao; Min Jiang; Yuan Chen
Nano Lett. (2026) 26 (38): 12921–12929.
https://doi.org/10.1021/acs.nanolett.6c03083
Abstract View Article PDF



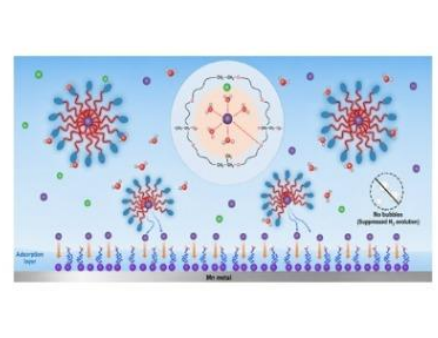
Subscribed
Polymer-Wrapped Chiral Single-Walled Carbon Nanotubes Enable 20% Efficiency Organic Solar Cells and Broadband Photodetectors
Zhaoming Zhang; Yanxun Li; Dehua Yang; Weichao Zhang; Haoran Xu; Xiaofei Yang; Rui Yang; Xianpeng Meng; Shilin Li; Yan Guan; Jing Guo; Xuan Chang; Huiqiong Zhou; Jin Zhou; Benjamin S. Flavel; Zheng Yang; Yuan Zhang; Jianhui Chen; Xuning Zhang
Nano Lett. (2026) 26 (38): 12930–12940.
https://doi.org/10.1021/acs.nanolett.6c03189
Abstract View Article PDF



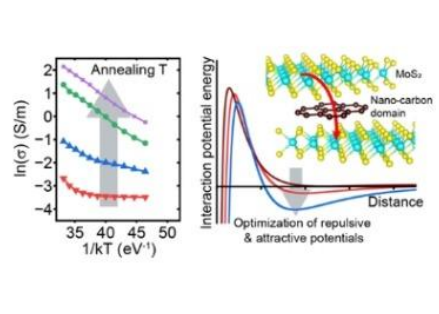
Subscribed
Surface-Reaction-Controlled Initial Growth of Ir-Rich $IrTe_x$ Thin Films via ABC-Type Atomic Layer Deposition
Minji Kim; Jaehyeok Kim; Sojeong Eom; Jihoon Park; Jisang Yoo; Seunggyu Na; Shinichi Kato; Yusuke Ohshima; Kenichi Inoue; Hyungjun Kim
Nano Lett. (2026) 26 (38): 12941–12948.
https://doi.org/10.1021/acs.nanolett.6c03219
Abstract View Article PDF


Conventional AB-type $IrTe_x$ ALD
Surface-reaction-controlled ABC-type $IrTe_x$ ALD

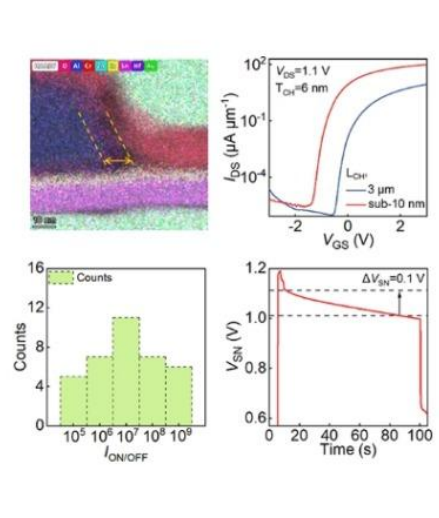
Subscribed
Colloidal Electrolyte Enables Bulk-to-Interface Stabilization for Aqueous Manganese Metal Batteries
Haocheng Liu; Weiteng Dai; Yixi Lin; Yang Zuo; Zhijian Fu; Juyue Cheng; Dong Zhang; Yi Zeng; Xin Chen; Heng Jiang; Fei Du
Nano Lett. (2026) 26 (38): 12949–12958.
https://doi.org/10.1021/acs.nanolett.6c03231
Abstract View Article PDF



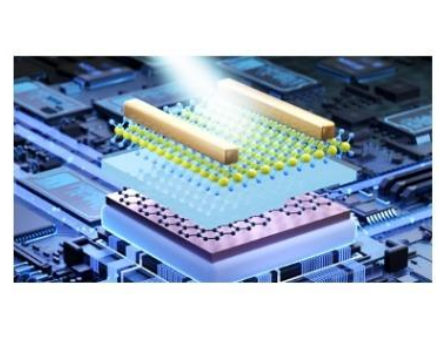
Subscribed
Biphasic Self-Assembly of Chemically-Exfoliated MoS_2 Monolayers into a MoS_2/C Heterostructured Thin Film
Seung Hwae Heo; Mah Gull; Debmalya Bhattacharya; Irfan Ahmad; Christina W. Li
Nano Lett. (2026) 26 (38): 12959–12967.
https://doi.org/10.1021/acs.nanolett.6c03259
Abstract View Article PDF



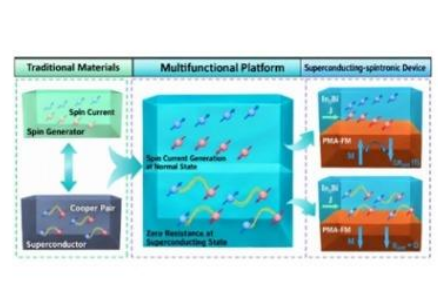
Subscribed
Self-Aligned AlO_x Spacer Enabling 10 nm-Scaled InZnSnO Thin-Film Transistors for 2T0C DRAM
Weimin Pan; Yidan Zhao; Zhengdao Xie; Zhenghao Duan; Guojian Wei; Shiyue Zuo; Ruohao Hong; Hangkong Bai; Qicai Zou; Lijun Wu; Xuefeng Qin; Yaqiang Ma; Xu Zhao; Xingqiang Liu; Lei Liao; Penghui He
Nano Lett. (2026) 26 (38): 12968–12975.
https://doi.org/10.1021/acs.nanolett.6c03240
Abstract View Article PDF



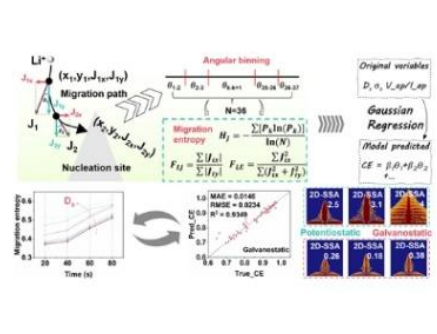
Subscribed
Spatiotemporal Programming via Asymmetric Dielectric Engineering for Nonvolatile 2D Optoelectronics
Xiaoguang Luo; Xiaolong Zhang; Honglei Chen; Jiaming Wang; Fan Liu; Jiongtao Zhang; Junqiang Zhang; Yihan Yin; Jinpeng Xu; Lei Ying; Renjing Xu; Yingchun Cheng; Xuetao Gan; Wei Huang
Nano Lett. (2026) 26 (38): 12976–12985.
https://doi.org/10.1021/acs.nanolett.6c03275
Abstract View Article PDF



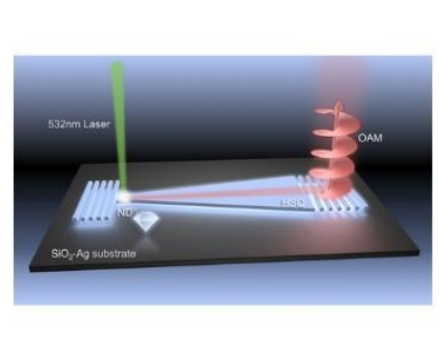
Subscribed
Function-Switchable Superconducting-Spintronic Devices for Read-Protected Data Storage
Gen Li; Xiaoguang Xu; Kangkang Meng; Zheng Feng; Yu Shu; Guohao Bo; Sikai Tao; Jiajun Ren; Yong Wu; Lei Shen; Yong Jiang
Nano Lett. (2026) 26 (38): 12986–12994.
https://doi.org/10.1021/acs.nanolett.6c03291
Abstract View Article PDF



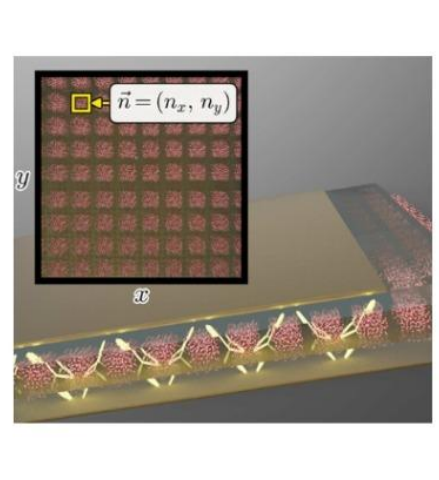
Subscribed
Machine Learning-Driven Phase Field Numerical Analysis for a Comprehensive Theoretical Framework of Local Electrochemical Environment and Operating Conditions Effects on Dendrite Evolution Mechanisms
Tengxiao Mu; Shenglong Huang; Yilun Cheng; Zizhao Ding; Chao Jiang
Nano Lett. (2026) 26 (38): 12995–13004.
https://doi.org/10.1021/acs.nanolett.6c03313
Abstract View Article PDF



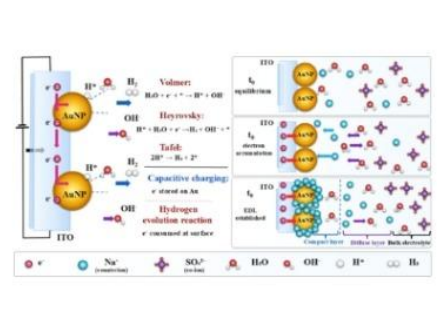
Subscribed
Polarization-Selective On-Chip Orbital Angular Momentum Photon Sources Enabled by Nanodiamond Emitters in Metasurface-Decorated Waveguides
Tianshuo Lyu; Shailesh Kumar; Sören im Sande; Xingling Pan; Jinhui Shi; Chunying Guan; Sergey I. Bozhevolnyi; Fei Ding
Nano Lett. (2026) 26 (38): 13005–13011.
https://doi.org/10.1021/acs.nanolett.6c03327
Abstract View Article PDF



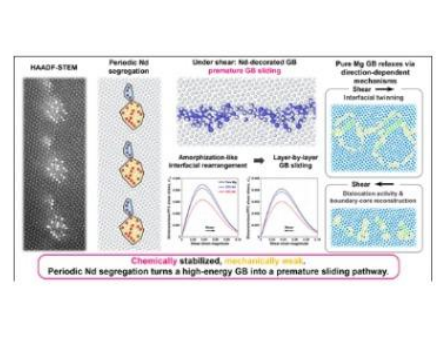
Subscribed
Nonlinear Freezing of Vibrational Polariton Transport via Mesoscale Simulations
Xinwei Ji; Tao E. Li
Nano Lett. (2026) 26 (38): 13012–13018.
https://doi.org/10.1021/acs.nanolett.6c03367
Abstract View Article PDF



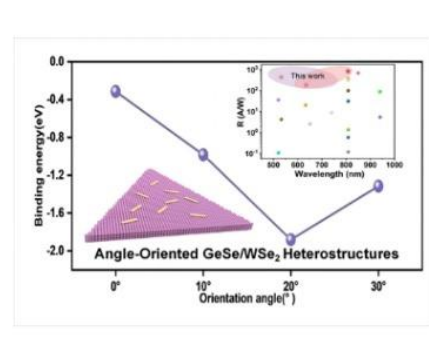
Subscribed
Operando Electrochemical Pump–Probe Spectroscopy for Resolving Electric Double Layer Formation Kinetics at Hydrogen Evolution Electrodes
Jiping Sui; Dangzheng Hu; Meng Li; Nan Lin; Haibo Lin; Bing Zhao; Yinghui Wang
Nano Lett. (2026) 26 (38): 13019–13026.
https://doi.org/10.1021/acs.nanolett.6c03374
Abstract View Article PDF



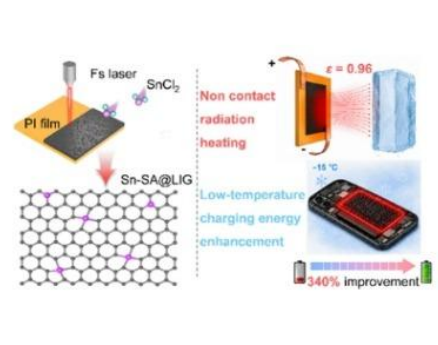
Subscribed
Periodic Solute Segregation Weakens Chemically Stabilized Grain Boundaries
Xiande Ma; Hongbo Xie; Benfu Wang; Weixin Lou; Shanshan Li; Yiping Lu
Nano Lett. (2026) 26 (38): 13027–13034.
https://doi.org/10.1021/acs.nanolett.6c03381
Abstract View Article PDF



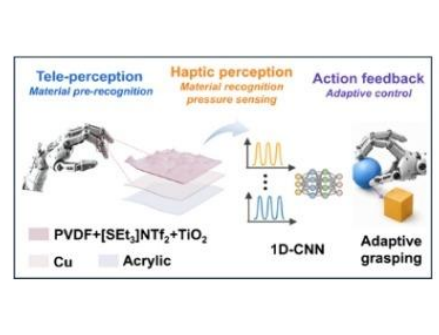
Subscribed
Visualizing Heteroepitaxy of Angle-Oriented $GeSe/WSe_2$ Heterostructures for Near-Infrared Ultrasensitive Photodetectors
Mengmeng Yang; Shijuan Ran; Shangyu Dai; Jianjun Qiu; Xueting Liu; Qunrui Deng; Haiyuan Chen; Zhixin Luo; Huawen Quan; Nengjie Huo; Jun Liu; Wenlong Chen; Zhaoqiang Zheng; Zuxin Chen; Wei Gao
Nano Lett. (2026) 26 (38): 13035–13042.
https://doi.org/10.1021/acs.nanolett.6c03380
Abstract View Article PDF



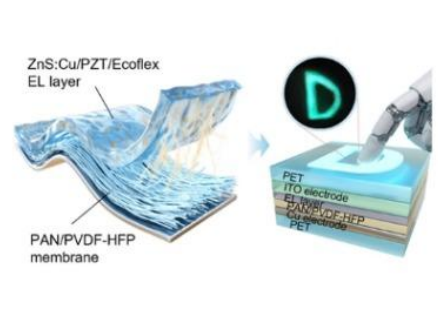
Subscribed
Flash Laser Heating of Sn Single-Atom Reconstructed Graphene toward Multifunctional Thermal Management
Yuchun He; Kai Yin; Lingxiao Wang; Tingni Wu; Jianqiang Xiao; Ji-An Duan; Sergey Makarov
Nano Lett. (2026) 26 (38): 13043–13052.
https://doi.org/10.1021/acs.nanolett.6c03400
Abstract View Article PDF


Fs laser
Sn-SA@LIG
Non contact radiation heating
Low-temperature charging energy enhancement

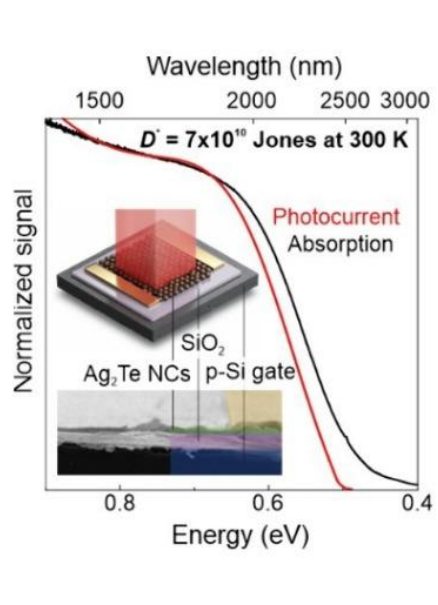
Subscribed
Iontronic Triboelectric Sensing for Adaptive Robotic Perception before and during Contact
Jiaxin Guo; Yan Du; Zhong Lin Wang; Di Wei
Nano Lett. (2026) 26 (38): 13053–13062.
https://doi.org/10.1021/acs.nanolett.6c03434
Abstract View Article PDF



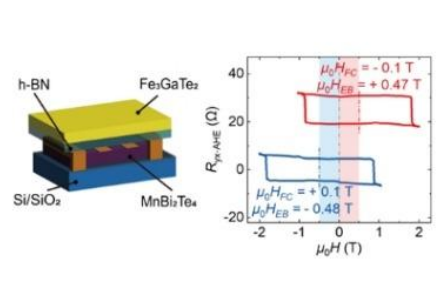
Subscribed
Endogenously Triboenhanced Heterogeneous Piezoelectric Nanofiber Membranes for Self-Powered Electroluminescent Pressure Sensing
Qi Tang; Yanxuan Lin; Xiaoshuang Lv; Mingjuan Du; Ziyan Mao; Yanlei Gao; Ziao Xu; Faqiang Wang; Caiyan Wang; Jianyong Yu; Bin Ding; Zhaoling Li
Nano Lett. (2026) 26 (38): 13063–13070.
https://doi.org/10.1021/acs.nanolett.6c03418
Abstract View Article PDF



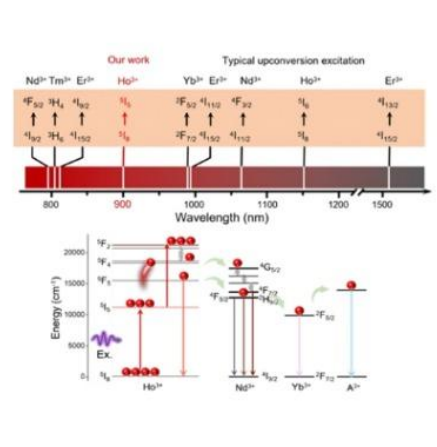
Open Access
Intrinsically Conductive Films of Ag_2Te Nanocrystals for Broadband Infrared Photodetection beyond 2000 nm
Yuanfei Huo; Yulia V. Kuznetsova; Anastasiia V. Sokolova; Chenxi Guo; Aleksandr A. Sergeev; Kam Sing Wong; Kseniia A. Sergeeva; Andrey L. Rogach
Nano Lett. (2026) 26 (38): 13071–13077.
https://doi.org/10.1021/acs.nanolett.6c03525
Abstract View Article PDF



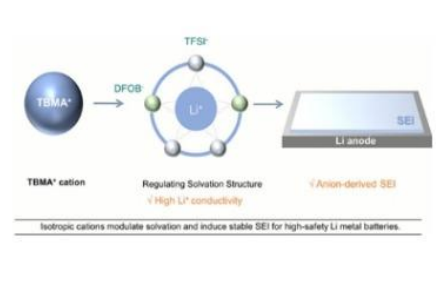
Subscribed
Robust Exchange Bias in van der Waals Heterostructures of Topological Insulators and Metallic Ferromagnets
Wuyi Qi; Zheng Dai; Heng Zhang; Tianqi Wang; Fuwei Zhou; Jiajun Li; Fengyi Guo; Congcong Li; Xiubing Li; Fucong Fei; Haijun Zhang; Fengqi Song
Nano Lett. (2026) 26 (38): 13078–13086.
https://doi.org/10.1021/acs.nanolett.6c03588
Abstract View Article PDF



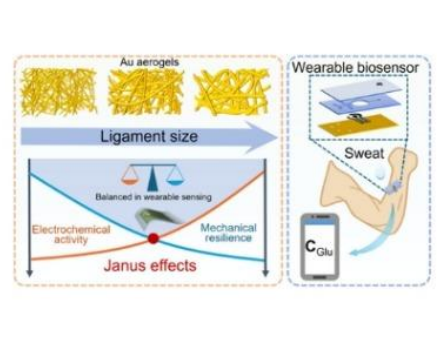
Subscribed
Tuning Upconversion through Ho^{3+}/Nd^{3+} Co-sensitized Cascade Energy Transfer
Xinyu Liu; Jingyu Shang; Nan Ding; Bin Dong
Nano Lett. (2026) 26 (38): 13087–13093.
https://doi.org/10.1021/acs.nanolett.6c03617
Abstract View Article PDF



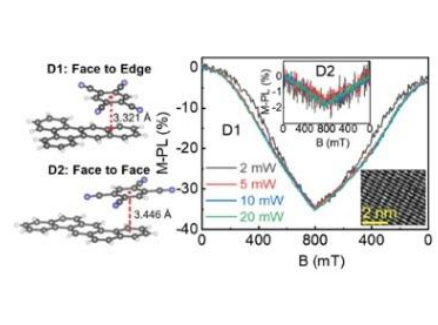
Subscribed
Isotropic Steric Hindrance of Acyclic Cations Enables Thermally Robust Anion-Derived Interphase for High-Temperature Lithium Metal Batteries at 100 °C
Yuting Fu; Shengwei Dong; Liang Deng; Kun Lin; Dalong Li; Shuaifeng Lou
Nano Lett. (2026) 26 (38): 13094–13102.
https://doi.org/10.1021/acs.nanolett.6c03582
Abstract View Article PDF



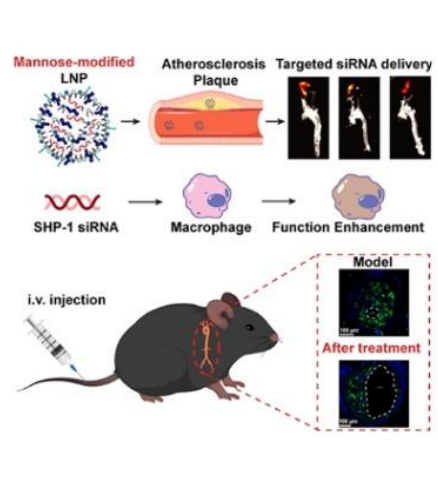
Subscribed
Untangling the Janus Effects of Ligament Size in Metal Aerogels for Wearable Electrochemical Biosensing
Xinhao Wan; Fangyuan Ma; Shan Chen; Weihua Liu; Jianqi Ye; Dan Wen
Nano Lett. (2026) 26 (38): 13103–13112.
https://doi.org/10.1021/acs.nanolett.6c03625
Abstract View Article PDF



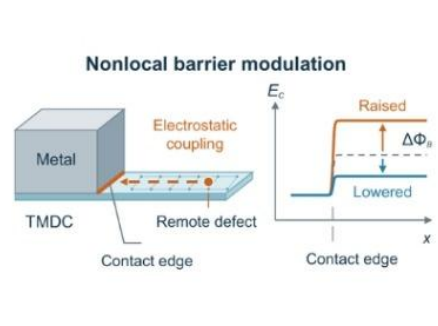
Subscribed
Stacking Offset Significantly Enhances the Magnetic-Field Modulation of Charge Transfer Spin States in Isomeric Organic Crystals
Enze Liao; Xiangqian Lu; Renjie Hu; Hanchen Zhang; Wei Qin
Nano Lett. (2026) 26 (38): 13113–13118.
https://doi.org/10.1021/acs.nanolett.6c03825
Abstract View Article PDF



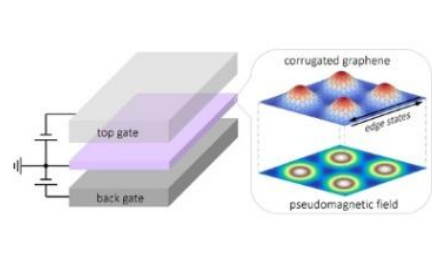
Subscribed
Piperazine-Structured Lipid Nanoparticles Enable Enhanced Targeted Delivery of SHP-1 siRNA to Macrophages for Treatment of Atherosclerotic Vulnerable Plaques
Pengyu Zhu; Yijun Huang; Liuyan Pan; Yuheng Leng; Hengli Zheng; Yongfeng Zhou; Weihao Shi; Dapeng Zhang; Yongsheng Li
Nano Lett. (2026) 26 (38): 13119–13129.
https://doi.org/10.1021/acs.nanolett.6c03833
Abstract View Article PDF



Subscribed
Nonlocal Electrostatic Origin of Schottky-Barrier Variability in 2D Contacts
Hangbo Zhou; Yong-Wei Zhang
Nano Lett. (2026) 26 (38): 13130–13135.
https://doi.org/10.1021/acs.nanolett.6c03959
Abstract View Article PDF



Subscribed
Propagating Edge and Interfacial States in Corrugated Graphene: Robustness and Configurability
Adel Belayadi; Dawei Zhai; Nancy Sandler
Nano Lett. (2026) 26 (38): 13136–13142.
https://doi.org/10.1021/acs.nanolett.6c04446
Abstract View Article PDF



Mastheads

Subscribed
Issue Editorial Masthead
Nano Lett. (2026) 26 (38)
https://doi.org/10.1021/nlv026i038_2136212
View Article PDF

Subscribed
Issue Publication Information
Nano Lett. (2026) 26 (38)
https://doi.org/10.1021/nlv026i038_2136211
View Article PDF

ACS Publications Most Trusted. Most Cited. Most Read.
1155 Sixteenth Street N.W.
Washington, DC 20036

Copyright © 2026 American Chemical Society.