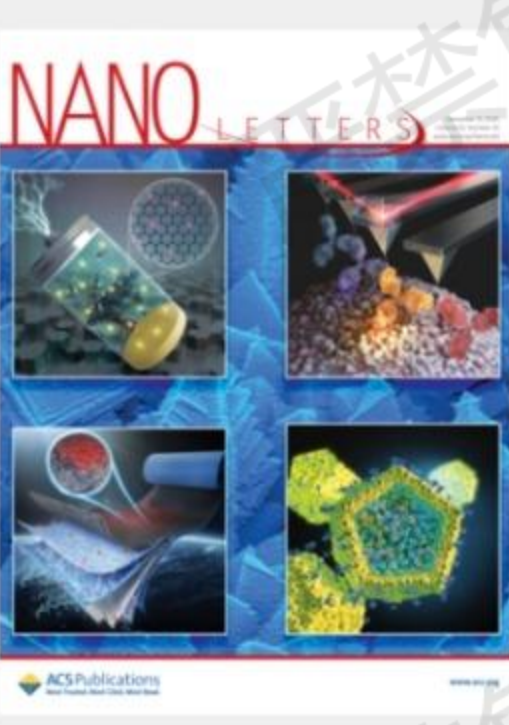




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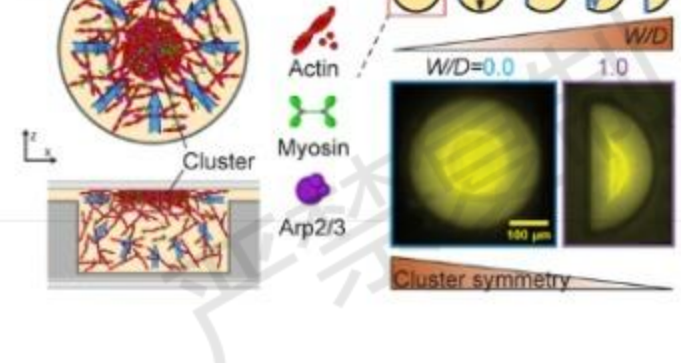
Myosin-Driven Advection and Actin Reorganization Control the Geometry of Confined Actomyosin Gel

Archit Negi, Ryota Sakamoto, Ryo Ienaga, Makito Miyazaki, and Yusuke T. Maeda*

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ABSTRACT



Scalable and Controllable Flexoelectric Engineering of van der Waals Polar Skyrmion Bubble Arrays

Haoan Xu, Shangui Lan, Tao Xu, Chunfeng Wang*, Zhongyi Wang, Youhui He, Xin He, Pu Feng, Shuhui Liu, Bin Fang, Deliang Zhu, Jie Wang*, Fei Xue*, and Kai Chang*

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Machine-Learning-Enabled Discovery of Coexisting Phases through Nanospectroscopy of a Wide-Bandgap Semiconductor

Alyssa Bragg, Fengdeng Liu, Zhifei Yang, Donghwan Kim, Nitzan Hirschberg, Madison Garber, Brayden Lukaskawcz, Liam Thompson, Shane MacDonald, Hayden Binger, Devon Uram, Ashley Burcek, Bharat Jalan, and Alexander S. McLeod*

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ABSTRACT

Semisynthetic Ferritin Nanocages for Flexible, Site-Specific Targeting and Ligand-Free Activation of Membrane Receptors

Andreas Neusch, Christina Siepe, Liesa Zitzke, Alexandra C. Fux, and Cornelia Monzel*

Nano Letters 2025, 25, 52, 18006-18015 (Letter) [Open Access](#)
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Two-Dimensional Nucleic Acid Brushes on Colloidal MXene Sheets

Jiyoung Lee, Jaeeun Yoon, Ki Hong Park, Juyun Lee, Jin Hyun Hwang, Jongbeom Na, Hojun Kim, Minjin Kim, Seon Joon Kim, Hongseok Yurt*, and Taegon Oh*

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MgO Tunneling Spintronics across Capacitively Coupled Atomic Clusters

Mathieu Lamblin*, Victor Da Costa, Loic Joly, Bhavisha Chowrira, Léo Pettidmange, Bertrand Vleno, Romain Bernard, Benoit Gobaut, Samy Boukari, Wolfgang Weber, Michel Hehn, Daniel Lacour, and Martin Bowen*

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Structure–Property Relationship between Heterometal Ions and Hot Electron Relaxation in Colloidal Quantum Dots

Ayari Yamada, Miku Taniguchi, Daichi Eguchi*, Tokuhisa Kawawaki, Soichi Kikkawa, I-Ya Chang, Yoichi Kobayashi, Seiji Yamazoe, Yuichi Negishi, and Naoto Tamai*

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Universal Magnetic Phases in Twisted Bilayer MoTe₂

Weiye Li, Evgeny Redekop, Christiano Wang Beach, Canxun Zhang, Xiaowei Zhang, Xiaoyu Liu, Will Holtzmann, Chaoxue Hu, Eric Anderson, Heonjoon Park, Takashi Taniguchi, Kenji Watanabe, Jun-haw Chu, Liang Fu, Ting Cao, Di Xiao, Andrea F. Young*, and Xiaodong Xu*

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Membrane-Anchored pH-Responsive DNA Nanodevice Enhances Natural-Killer-Cell Interaction Specificity toward Tumor Cells

Fandi Wu, Yue Sun, Yao He, Nachuan Wen, Qiang Zhang, Hui Wu, Zhimin Wang, Liping Qiu*, and Weihong Tan*

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Transformable "Bullet Train"-like Nanomotors for Sequentially Overcoming Tumor Delivery Barriers

Yuan Liu, Jie Meng, Wenkang Cao, Shuang Xie, Qin Wang*, and Xiaohong Li*

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Cross-State Alternating Magnetism in Two-Dimensional Systems

Xiaokai Chen, Xiaoyu Xuan, Wanlin Guo*, and Zhihua Zhang*

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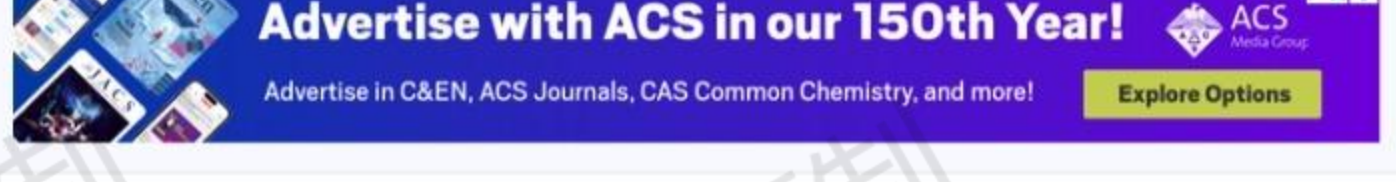
Revealing Progressive Degradation of Cobalt Oxide Nanoparticles During Thermochemical Redox Cycling via Operando STEM-EELS

Madelaine Van Winkle, Stephen D. House, Yuxiang Peng, Yu-chen Karen Chen-Wiegart, Katherine Jungjohann, and John S. Mangum*

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Probing Hidden Vortices and Geometrical Effect via Surface-Projected Quasiparticle States

Ruijun Xi, Pei-Yao Liu, Dang Liu, Sha-Sha Xue, Qiao-Yan Yu, Xingshen Chen, Ji-Cai Sun, Yi Zhang, Xian Du, Xuhui Wang, Tingwen Wang, Pengyu Hu, Haipeng Yang, Dandan Guan, Xiaoxue Liu, Liang Liu, Yaoyi Li, Shiyong Wang, Canhua Liu, Zhu-An Xu, Yi Zhou*, Hao Zheng*, and Jinfeng Jia*

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Atomically Thin ITO Transistor Matrix for Monolithic Integration of Ultrabright Micro-LED Displays

Yizhe Wang, Haifeng Wu, Chen Xu, Xutong Yang, Jian Hu, Qijun Zong, Weihuang Xiao, Zhiwei Li, Zeyang Gan, Xiaoming Zhao, Kexin Hao, Sitong Chen, Bobo Tian*, Junjie Zhang, Xiaojin Liao, Xiao Wang, Dong Li*, and Arifan Pan*

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Interface-Dipole-Driven Type-II Band Offset Engineering in Perovskite Heterostructures

Lili Xu, Shengli Zhang*, and Yee Sin Ang*

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Broadband Terahertz Holography Using Nonlinear Plasmonic Metasurfaces

Zixian Hu, Symeon Sideris, Cormac McDonnell, Tj Ellenbogen*, and Guixin Li*

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Breaking the Synergy between the Quasiparticle Band Gap and Exciton Binding Energy, Bright–Dark Exciton Transition, and Realization of the Excitonic Insulator State in Quantum Spin Hall Insulators

Dongyue Sun, Yushuo Xu, Liang-An Qin, Ying Dai*, Baibao Huang, Zhao Qian*, Rajeev Ahuja, and Wei Wei*

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Quantifying Ultrafast Hot Carrier Transfer along a Specific Vibrational Reaction Coordinate at Plasmonic Nanoparticle/Molecule Interfaces

Qianbing Pei, Junjun Tan, Jing Lai, Xiaoxuan Zheng, Shiyu Bai, Yi Luo, and Shuji Ye*

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Label-Free Analysis Reveals *In Vivo* Premature Drug Release Governed by Diffusion from Polymeric Micelles

Jiayi Yao, Jiefang Sun, Xinyi Wang, Haoran Wang, Yuxi Liu, Mingyang Zhao, Xiangjun Meng*, and Jingkai Gu*

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Visualization of the Assembly of a Two-Component Pore-Forming Toxin on a Target Membrane

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Controlling NO_x Reduction Pathways of Rh Catalysts with Oxygen-Vacancy-Rich ZnO_{1-x} Nanoparticles Derived from a Metal–Organic Framework

Liyang Wang, Zhe Tian, Jie Zheng, Haozhe Kang, Chun-Ran Chang, and Bo Huang*

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Stabilizing the Buried Interface Phase for Perovskite LEDs with a Remarkable T₅₀ Lifetime at 1000 nit

Ximing Wu, Zhibin Wang*, Song Zhang, Zhehong Zhou, Ruidan Zhang*, Lingwei Zeng, Feng Huang, and Daqin Chen*

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Scalable Integration of Lateral van der Waals Heterostructure Arrays via a Self-Aligned Approach

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