

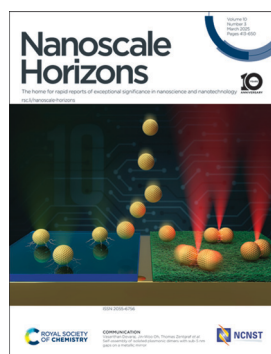
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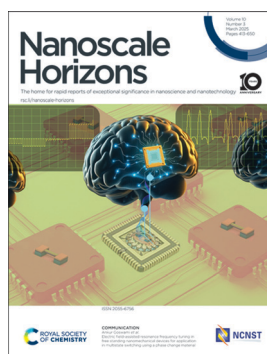
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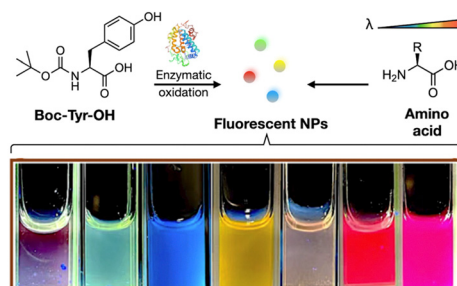
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Nanoparticle assembly with customisable fluorescence properties and excellent biocompatibility

Ignacio Insua



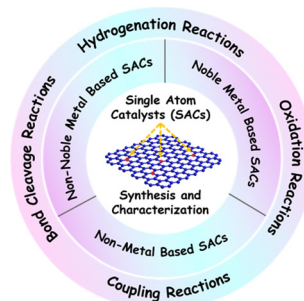
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Revolutionizing healthcare: inorganic medicinal nanoarchitectonics for advanced theranostics

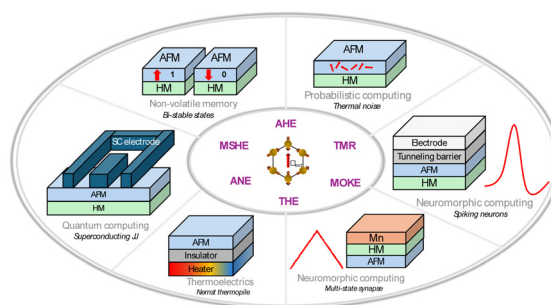
Seungjin Yu, N. Sanoj Rejinold, Goeun Choi and Jin-Ho Choy*



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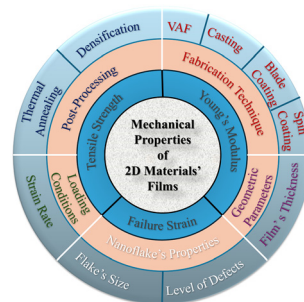
Ankit Shukla, Siyuan Qian and Shaloo Rakheja*



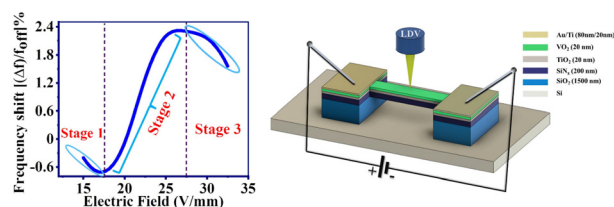
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Mechanical properties of two-dimensional material-based thin films: a comprehensive review

Abdallah Kamal, Baosong Li, Abdullah Solayman, Shaohong Luo, Ian Kinloch, Lianxi Zheng and Kin Liao*



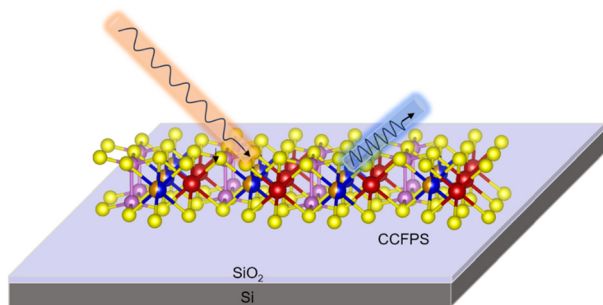
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Electric field-assisted resonance frequency tuning in free standing nanomechanical devices for application in multistate switching using a phase change material

Durgesh Banswar, Jay Krishna Anand, Syed A. Bukhari, Sonika Singh, Rahul Prajesh, Hemant Kumar, S. K. Makineni and Ankur Goswami*

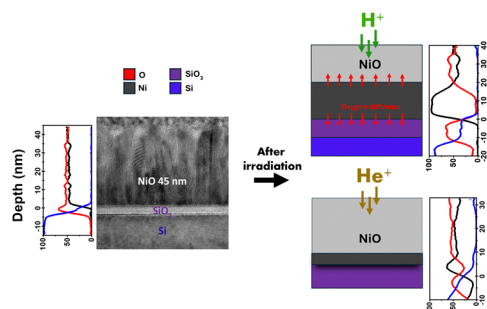
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Tunable magnetoelectricity and polarity in van der Waals antiferromagnetic $\text{CuCr}_{1-x}\text{Fe}_x\text{P}_2\text{S}_6$

Yu Xing, Haoshen Ye, Guowei Du, Xu Li, Le-Ping Miao, Junchao Zhang, Xiong Luo, Xiyu Chen, Haoran Ye, Aoli Shen, Zhicheng Wang, Yumeng You, Shuai Dong* and Linglong Li*

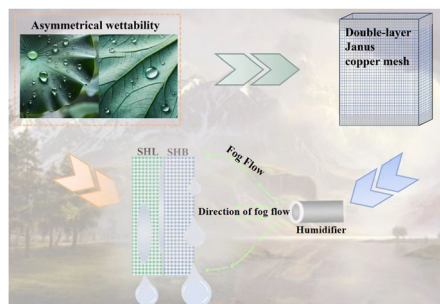
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Mechanism of oxygen reduction *via* chemical affinity in NiO/SiO₂ interfaces irradiated with keV energy hydrogen and helium ions for heterostructure fabrication

Mario Mery,* Claudio Gonzalez-Fuentes, Igor Stanković,* Jorge M. Nuñez, Jorge E. Valdés, Myriam H. Aguirre and Carlos García*

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Matchbox Janus membrane fog collector with highly efficient directional transport

Feifeng Hu, Huayang Zhang, Guangyi Tian, Shangzhen Xie* and Zhiguang Guo*

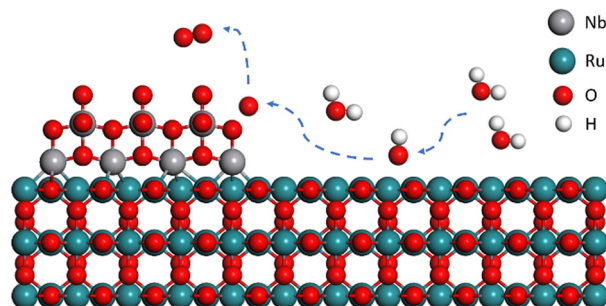


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Spillover of active oxygen intermediates of binary $\text{RuO}_2/\text{Nb}_2\text{O}_5$ nanowires for highly active and robust acidic oxygen evolution

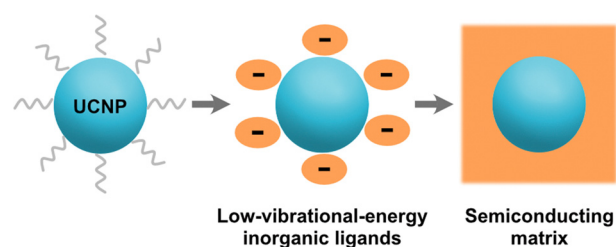
Linqing Liao, Wangyan Gou, Mingkai Zhang, Xiaohe Tan, Zening Qi, Min Xie, Yuanyuan Ma* and Yongquan Qu*



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Enhanced upconversion and photoconductive nanocomposites of lanthanide-doped nanoparticles functionalized with low-vibrational-energy inorganic ligands

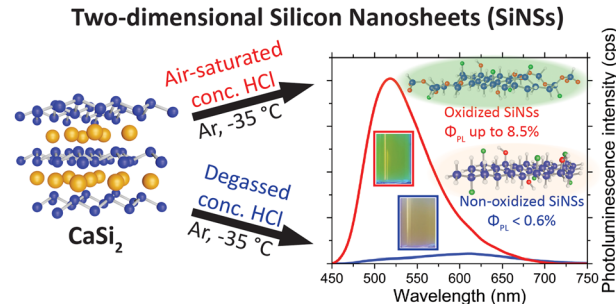
Jia-Ahn Pan,* Xiao Qi and Emory M. Chan*



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Elucidating the role of oxidation in two-dimensional silicon nanosheets

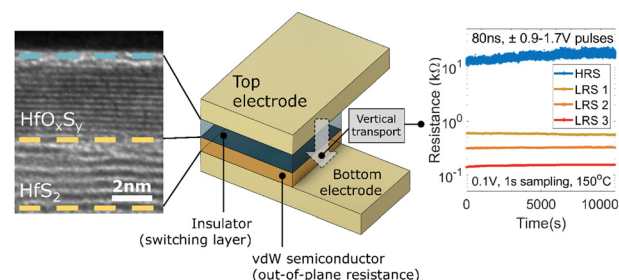
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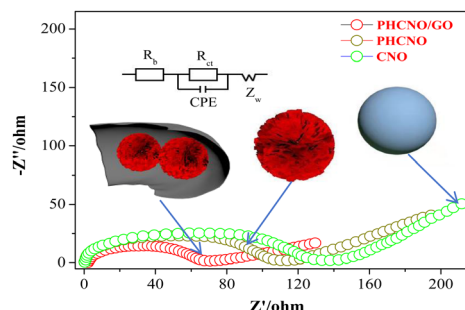
Forming and compliance-free operation of low-energy, fast-switching $\text{HfO}_x\text{S}_y/\text{HfS}_2$ memristors

Aferdita Xhameni, AbdulAziz AlMutairi, Xuyun Guo, Irina Chircă, Tianyi Wen, Stephan Hofmann, Valeria Nicolosi and Antonio Lombardo*



COMMUNICATIONS

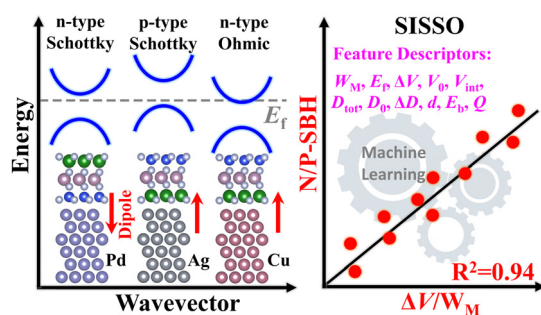
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Effects of porous hedgehog-like morphology and graphene oxide on the cycling stability and rate performance of $\text{Co}_3\text{O}_4/\text{NiO}$ microspheres

Guozhen Zhu,* Xinsong Xu, Yiyao Zhang, Jiale Lian, Yuhao Li, Zhen Yang* and Renchao Che*

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Dipole-induced transitions from Schottky to Ohmic contact at Janus MoSiGeN_4 /metal interfaces

Wen Ai, Xiaohui Hu,* Tao Xu, Jian Yang* and Litao Sun

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Correction: Single glucose molecule transport process revealed by force tracing and molecular dynamics simulations

Yangang Pan, Yuebin Zhang, Pianchou Gongpan, Qingrong Zhang, Siteng Huang, Bin Wang, Bingqian Xu, Yuping Shan,* Wenyong Xiong,* Guohui Li* and Hongda Wang*

