

CITATION REPORT

List of articles citing

The Effects of Atomic-Scale Strain Relaxation on the Electronic Properties of Monolayer MoS

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#	Paper	IF	Citations
25	Proximity-Induced Superconductivity in Monolayer MoS ₂ .		
24	Nanoscale Measurements of Elastic Properties and Hydrostatic Pressure in H ₂ -Bulged MoS ₂ Membranes. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2001024	4.6	9
23	Coherent Atomic-Scale Ripples on Metallic Glasses Patterned by Low-Energy Ion Irradiation for Large-Area Surface Structuring. <i>ACS Applied Nano Materials</i> , 2020 , 3, 12025-12033	5.6	1
22	Anisotropic Thermoelectric Power Factor of Two-Dimensional Materials with Periodic Potential Barriers: The Wigner-Rode Formalism. <i>Physical Review Applied</i> , 2020 , 14,	4.3	1
21	Influence of atomic-scale defect on thermal conductivity of single-layer MoS ₂ sheet. <i>Journal of Alloys and Compounds</i> , 2020 , 831, 154875	5.7	10
20	Strain and Charge Doping Fingerprints of the Strong Interaction between Monolayer MoS and Gold. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6112-6118	6.4	27
19	Engineered Creation of Periodic Giant, Nonuniform Strains in MoS ₂ Monolayers. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000621	4.6	15
18	Engineering of electronic and optical properties of monolayer gallium sulfide/selenide in presence of intrinsic atomic defects. <i>Materials Research Express</i> , 2020 , 7, 015915	1.7	2
17	Proximity-Induced Superconductivity in Monolayer MoS. <i>ACS Nano</i> , 2020 , 14, 2718-2728	16.7	20
16	Tip-Induced Nano-Engineering of Strain, Bandgap, and Exciton Funneling in 2D Semiconductors. <i>Advanced Materials</i> , 2021 , 33, e2008234	24	18
15	Spin-polarized gate-tuned transport property of a four-terminal MoS ₂ device: a theoretical study. <i>Journal of Materials Science</i> , 2021 , 56, 11847-11865	4.3	0
14	Strain-tuning of the electronic, optical, and vibrational properties of two-dimensional crystals. <i>Applied Physics Reviews</i> , 2021 , 8, 021318	17.3	15
13	Interfacial Charge Transfer and Photovoltaic Properties in C ₆₀ /MoS ₂ 0D/2D van der Waals Heterostructures. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021 , 15, 2100311	2.5	3
12	Exceptional Elasticity of Microscale Constrained MoS Domes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 48228-48238	9.5	4
11	Single-molecule photocatalytic dynamics at individual defects in two-dimensional layered materials. <i>Science Advances</i> , 2021 , 7, eabj4452	14.3	2
10	Making clean electrical contacts on 2D transition metal dichalcogenides. <i>Nature Reviews Physics</i> ,	23.6	15
9	Regulation of electronic structure of monolayer MoS ₂ by pressure. <i>Rare Metals</i> , 2022 , 41, 1761	5.5	2

8	A perspective on optimizing photoelectric conversion process in 2D transition-metal dichalcogenides and related heterostructures. <i>Applied Physics Letters</i> , 2022 , 120, 080501	3.4	2
7	Giant Bandgap Engineering in Two-Dimensional Ferroelectric HnSe.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 3261-3268	6.4	1
6	Mechanical, Elastic, and Adhesive Properties of Two-Dimensional Materials: From Straining Techniques to State-of-the-Art Local Probe Measurements. <i>Advanced Materials Interfaces</i> , 2102220	4.6	3
5	Uniaxial strain-induced electronic property alterations of MoS2 monolayer. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2021 , 12, 045016	1.6	
4	First-principles insights into the spin-valley physics of strained transition metal dichalcogenides monolayers. 2022 , 24, 083004		3
3	Ultralocalized Optoelectronic Properties of Nanobubbles in 2D Semiconductors. 2022 , 22, 7401-7407		0
2	In situ quantitative single-molecule study of site-specific photocatalytic activity and dynamics on ultrathin g-C3N4 nanosheets.		1
1	In-situ atomic level observation of the strain response of graphene lattice. 2023 , 13,		0