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## Elastic Properties and Fracture Behaviors of Biaxially Deformed, Polymorphic MoTe

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#	Paper	IF	Citations
49	Few-Layer Mote2 Suspended Channel Transistors and Nanoelectromechanical Resonators. <b>2019</b> ,		0
48	Synthesis, properties, and applications of large-scale two-dimensional materials by polymer-assisted deposition. <i>Journal of Semiconductors</i> , <b>2019</b> , 40, 061003	2.3	4
47	Chemical and structural stability of 2D layered materials. <i>2D Materials</i> , <b>2019</b> , 6, 042001	5.9	43
46	Two-dimensional materials: From mechanical properties to flexible mechanical sensors. <i>Information Materials</i> , <b>2020</b> , 2, 1077-1094	23.1	63
45	Effects of interlayer interactions on the nanoindentation response of freely suspended multilayer gallium telluride. <i>Nanotechnology</i> , <b>2020</b> , 31, 165706	3.4	6
44	Bifunctional NbS-Based Asymmetric Heterostructure for Lateral and Vertical Electronic Devices. <i>ACS Nano</i> , <b>2020</b> , 14, 175-184	16.7	32
43	Interlayer Binding Energy of Hexagonal MoS2 as Determined by an In Situ Peeling-to-Fracture Method. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 23419-23425	3.8	8
42	On the Elastic Properties and Fracture Patterns of MoX2 (X = S, Se, Te) Membranes: A Reactive Molecular Dynamics Study. <i>Condensed Matter</i> , <b>2020</b> , 5, 73	1.8	3
41	High-Fidelity Transfer of 2D Bi2O2Se and Its Mechanical Properties. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2004960	15.6	17
40	Controlled growth of atomically thin transition metal dichalcogenides via chemical vapor deposition method. <i>Materials Today Advances</i> , <b>2020</b> , 8, 100098	7.4	13
39	Bioelectronics-Related 2D Materials Beyond Graphene: Fundamentals, Properties, and Applications. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003732	15.6	14
38	Vibration response of monolayer 1HMoTe2 to equibiaxial strain. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	0
37	Thermomechanical Nanocutting of 2D Materials. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001232	24	11
36	2D CoOOH Sheet-Encapsulated NiP into Tubular Arrays Realizing 1000 mA/cm-Level-Current-Density Hydrogen Evolution Over 100 h in Neutral Water. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 140	19.5	43
35	Out-of-Plane Deformations Determined Mechanics of Vanadium Disulfide (VS) Sheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 3040-3050	9.5	6
34	High elasticity and strength of ultra-thin metallic transition metal dichalcogenides. <i>Nanoscale Advances</i> ,	5.1	2
33	Anisotropic Thermoelectric Materials: Pentagonal PtM (M = S, Se, Te). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 8700-8709	9.5	15

32	Strain engineering of two-dimensional materials: Methods, properties, and applications. <i>Informa Materilly</i> , <b>2021</b> , 3, 397-420	23.1	50
31	Ultra-low Young's modulus and high super-exchange interactions in monolayer CrN: A promising candidate for flexible spintronic applications*. <i>Chinese Physics B</i> , <b>2021</b> , 30, 047105	1.2	0
30	Correlation Between Corrugation-Induced Flexoelectric Polarization and Conductivity of Low-Dimensional Transition Metal Dichalcogenides. <i>Physical Review Applied</i> , <b>2021</b> , 15,	4.3	1
29	Defect-Enabled Phase Programming of Transition Metal Dichalcogenide Monolayers. <i>Nano Letters</i> , <b>2021</b> , 21, 4676-4683	11.5	0
28	Strain-tuning of the electronic, optical, and vibrational properties of two-dimensional crystals. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 021318	17.3	15
27	Mechanical Properties and Strain Transfer Behavior of Molybdenum Ditelluride (MoTe <sub>2</sub> ) Thin Films. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , <b>2022</b> , 144,	1.8	9
26	Experimental Adhesion Energy in van der Waals Crystals and Heterostructures from Atomically Thin Bubbles. <i>Physical Review Letters</i> , <b>2021</b> , 127, 046101	7.4	6
25	2D Metallic Transition-Metal Dichalcogenides: Structures, Synthesis, Properties, and Applications. <i>Advanced Functional Materials</i> , 2105132	15.6	17
24	Toplayer-dependent crystallographic orientation imaging in the bilayer two-dimensional materials with transverse shear microscopy. <i>Frontiers of Physics</i> , <b>2021</b> , 16, 1	3.7	1
23	Cross structured two-dimensional violet phosphorene with extremely high deformation resistance. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 13855-13860	13	6
22	Mechanics of free-standing inorganic and molecular 2D materials. <i>Nanoscale</i> , <b>2021</b> , 13, 1443-1484	7.7	9
21	Thickness-dependent Young's modulus of polycrystalline PbO nanosheets. <i>Nanotechnology</i> , <b>2020</b> , 31, 395712	3.4	0
20	Strain Engineering of Low-dimensional Materials for Emerging Quantum Phenomena and Functionalities. <i>Advanced Materials</i> , <b>2021</b> , e2107362	24	3
19	2D Materials for Wearable Energy Harvesting. <i>Advanced Materials Technologies</i> , 2101623	6.8	1
18	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
17	Recent Progress in Two-Dimensional MoTe Hetero-Phase Homojunctions.. <i>Nanomaterials</i> , <b>2021</b> , 12,	5.4	1
16	Mechanical properties of 2D materials: A review on molecular dynamics based nanoindentation simulations. <i>Materials Today Communications</i> , <b>2022</b> , 31, 103623	2.5	1
15	Anisotropic mechanics of two-dimensional materials. <i>Advanced Engineering Materials</i> ,	3.5	0

14	Mechanical reliability of monolayer MoS <sub>2</sub> and WSe <sub>2</sub> . <i>Matter</i> , <b>2022</b> ,	12.7
13	Dynamic adhesion of 2D materials to mixed-phase BiFeO <sub>3</sub> structural phase transitions. <i>Journal of Applied Physics</i> , <b>2022</b> , 132, 045301	2.5
12	Determining the interlayer shearing in twisted bilayer MoS <sub>2</sub> by nanoindentation. <i>Nature Communications</i> , <b>2022</b> , 13,	17.4 1
11	Extraordinary Nonlinear Optical Interaction from Strained Nanostructures in van der Waals CuInP <sub>2</sub> S <sub>6</sub> .	0
10	Humidity-Controlled Dynamic Engineering of Buckling Dimensionality in MoS <sub>2</sub> Thin Films. <b>2022</b> , 16, 14157-14167	0
9	Mechanical Fracture of Bilayer MoS <sub>2</sub> with Grain Boundaries.	0
8	Probing the interlayer mechanical coupling of 2D layered materials - A review. <b>2022</b> ,	0
7	Phase-modulated quantum-sized TMDs for extreme saturable absorption.	0
6	Pull-to-Peel of Two-Dimensional Materials for the Simultaneous Determination of Elasticity and Adhesion.	1
5	A review of the synthesis, properties, and applications of 2D transition metal dichalcogenides and their heterostructures. <b>2023</b> , 127332	0
4	Straining techniques for strain engineering of 2D materials towards flexible straintronic applications. <b>2023</b> , 109, 108278	0
3	Gate-tunable heavy fermions in a moiré Kondo lattice. <b>2023</b> , 616, 61-65	1
2	Thermal Conductivities of PtX <sub>2</sub> (X = S, Se, and Te) Monolayers: A Comprehensive Molecular Dynamics Study.	0
1	Robust temperature-strain coupling in phase and shape evolution of MoTe <sub>2</sub> nanosheets. <b>2023</b> , 122,	0