First-principles study of mechanical and electronic prop transition metal dichalcogenides

Physical Review Materials

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Citation Report

#	Article	IF	Citations
1	Monolayer 2D semiconducting tellurides for high-mobility electronics. Physical Review Materials, 2021, 5, .	0.9	13
2	A first-principles study of the relationship between modulus and ideal strength of single-layer, transition metal dichalcogenides. Materials Advances, 2021, 2, 6631-6640.	2.6	17
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5	Opening band gaps of low-dimensional materials at the meta-GGA level of density functional approximations. Physical Review Materials, 2021, 5, .	0.9	18
6	Flexoelectricity and transport properties of phosphorene nanoribbons under mechanical bending. Physical Review B, 2021, 103, .	1.1	13
7	Spontaneous flexoelectricity and band engineering in MS₂ (M = Mo, W) nanotubes. Physical Chemistry Chemical Physics, 2021, 23, 20574-20582.	1.3	7
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16	Recent progress in 2D hybrid heterostructures from transition metal dichalcogenides and organic layers: properties and applications in energy and optoelectronics fields. Nanoscale, 2022, 14, 10648-10689.	2.8	20
17	Electron transport properties of the transition metal dichalcogenides composite WX2-MoX2 (Xâ‰¡S, Se,) Tj ETQq0 0 0 rgBT /Overlock	0.6	0
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19	Semimetal transition in curved MoS2/MoSe2 Van der Waals heterojunction by dispersion-corrected density functional theory. MRS Communications, 2022, 12, 1154-1159.	0.8	1
20	Self-Bending Behavior and Varying Bending Stiffness of Black Phosphorus/Molybdenum Disulfide (BP/MoS2) Heterostructure. Nanomaterials, 2022, 12, 3635.	1.9	2
21	Linear and nonlinear buckling analysis of double-layer molybdenum disulfide by finite elements. Finite Elements in Analysis and Design, 2023, 218, 103919.	1.7	0
22	Spin-polarization anisotropy controlled by bending in tungsten diselenide nanoribbons and tunable excitonic states. Journal of Materials Chemistry C, 2023, 11, 4711-4727.	2.7	2