

Enthalpy and heat capacity of molybdenum disulfide

Soviet Powder Metallurgy and Metal Ceramics (English Translation)
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Citation Report

#	ARTICLE	IF	CITATIONS
2	Dissociation of molybdenum and tungsten selenides. Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya), 1986, 25, 64-66.	0.1	1
3	Raman spectroscopic investigations on transition metal dichalcogenides MX_2 ($\text{M} = \text{Mo, W}$)	1.1	0.7843
4	Thermal conductivity of monolayer MoS_2 , MoSe_2 , and WS_2 : interplay of mass effect, interatomic bonding and anharmonicity. RSC Advances, 2016, 6, 5767-5773.	3.6	265
5	Analytical insight into the lattice thermal conductivity and heat capacity of monolayer MoS_2 . Physica E: Low-Dimensional Systems and Nanostructures, 2016, 83, 455-460.	2.7	27
6	Time-domain thermoreflectance (TDTR) measurements of anisotropic thermal conductivity using a variable spot size approach. Review of Scientific Instruments, 2017, 88, 074901.	1.3	101
7	First-principles simulation on thermoelectric properties of transition metal dichalcogenide monolayers. Japanese Journal of Applied Physics, 2018, 57, 06HE04.	1.5	4
8	Thermal boundary conductance of two-dimensional MoS_2 interfaces. Journal of Applied Physics, 2019, 126, .	2.5	32
9	Accurate measurement of in-plane thermal conductivity of layered materials without metal film transducer using frequency domain thermoreflectance. Review of Scientific Instruments, 2020, 91, 064903.	1.3	29
10	Electron-hole plasma formation dynamics observed through exciton-plasma interactions in transition metal dichalcogenides. Physical Review B, 2021, 104, .	3.2	7
11	Cross-plane thermal transport in MoS_2 . Physical Review B, 2021, 104, .	3.2	7
12	Theoretical study on thermal properties of molybdenum disulfide/silicon heterostructures. Computational Materials Science, 2021, 200, 110835.	3.0	2
13	Thermal Property of 2D-Disordered Tungsten Chalcogenides. Journal of the Korean Ceramic Society, 2010, 47, 132-135.	2.3	0
14	Anisotropic Thermal Conductivity of Inkjet-Printed 2D Crystal Films: Role of the Microstructure and Interfaces. Nanomaterials, 2022, 12, 3861.	4.1	3
15	A pre-time-zero spatiotemporal microscopy technique for the ultrasensitive determination of the thermal diffusivity of thin films. Review of Scientific Instruments, 2023, 94, .	1.3	6
16	Triggering Thermal Healing of Large Area MOCVD Grown TMDs at the Trion Dissociation. Advanced Materials Interfaces, 0, , .	3.7	0
17	Ultrashort-Pulsed Laser Annealing of Amorphous Atomic-Layer-Deposited MoS_2 Films. Advanced Engineering Materials, 2023, 25, .	3.5	0
18	Detecting, Distinguishing, and Spatiotemporally Tracking Photogenerated Charge and Heat at the Nanoscale. ACS Nano, 2023, 17, 19011-19021.	14.6	1
19	Comparison of Machinability of Al-4.5%Cu/TiB ₂ /3p MMC for Multi-Layer Coated Inset: Validated FEM and Statistical Approaches. MACHINING VE MAKINA, 2024, 65, 49-77.	0.6	0