

Yi Shuang

List of Publications by Year in descending order

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1,298
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1170033

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#	ARTICLE	IF	CITATIONS
1	Electrical Conduction Mechanism of MnTe Thin Film with Wurtzite-Type Structure Using Radiofrequency Magnetron Sputtering. <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, .	1.2	5
2	Phase control of sputter-grown large-area MoTe_2 films by preferential sublimation of Te: amorphous, 1T â^2 and 2H phases. <i>Journal of Materials Chemistry C</i> , 2022, 10, 10627-10635.	2.7	9
3	Effect of N dopants on the phase change characteristics of $\text{Cr}_2\text{Ge}_2\text{Te}_6$ film revealed by changes in optical properties. <i>Applied Surface Science</i> , 2022, 601, 154189.	3.1	1
4	Temperature-Dependent Electronic Transport in Non-Bulk-Resistance Variation Nitrogen-Doped $\text{Cr}_2\text{Ge}_2\text{Te}_6$ Phase-Change Material. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2000415.	1.2	4
5	Dimensional transformation of chemical bonding during crystallization in a layered chalcogenide material. <i>Scientific Reports</i> , 2021, 11, 4782.	1.6	16
6	Understanding the low resistivity of the amorphous phase of $\text{Cr}_2\text{Ge}_2\text{Te}_6$ phase-change material: Experimental evidence for the key role of Cr clusters. <i>Physical Review Materials</i> , 2021, 5, .	0.9	4
7	Evolution of the local structure surrounding nitrogen atoms upon the amorphous to crystalline phase transition in nitrogen-doped $\text{Cr}_2\text{Ge}_2\text{Te}_6$ phase-change material. <i>Applied Surface Science</i> , 2021, 556, 149760.	3.1	4
8	Amorphous-to-Crystal Transition in Quasi-Two-Dimensional MoS_2 : Implications for 2D Electronic Devices. <i>ACS Applied Nano Materials</i> , 2021, 4, 8834-8844.	2.4	22
9	Nitrogen doping-induced local structure change in a $\text{Cr}_2\text{Ge}_2\text{Te}_6$ inverse resistance phase-change material. <i>Materials Advances</i> , 2020, 1, 2426-2432.	2.6	9
10	The importance of contacts in Cu_2GeTe_3 phase change memory devices. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	11
11	Reversible displacive transformation in MnTe polymorphic semiconductor. <i>Nature Communications</i> , 2020, 11, 85.	5.8	34
12	Cr-Triggered Local Structural Change in $\text{Cr}_2\text{Ge}_2\text{Te}_6$ Phase Change Material. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43320-43329.	4.0	26
13	Systematic materials design for phase-change memory with small density changes for high-endurance non-volatile memory applications. <i>Applied Physics Express</i> , 2019, 12, 051008.	1.1	7
14	Bidirectional Selector Utilizing Hybrid Diodes for PCRAM Applications. <i>Scientific Reports</i> , 2019, 9, 20209.	1.6	15
15	$\text{MoS}_2/\text{MnO}_2$ heterostructured nanodevices for electrochemical energy storage. <i>Nano Research</i> , 2018, 11, 2083-2092.	5.8	47
16	Water-Lubricated Intercalation in $\text{V}_2\text{O}_5 \cdot n\text{H}_2\text{O}$ for High-Capacity and High-Rate Aqueous Rechargeable Zinc Batteries. <i>Advanced Materials</i> , 2018, 30, 1703725.	11.1	1,084