

Xiaofu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

238
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933447

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337
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetron co-sputtering synthesis and nanoindentation studies of nanocrystalline (TiZrHf) _x (NbTa) _{1-x} high-entropy alloy thin films. Nano Research, 2022, 15, 4873-4879.	10.4	16
2	Phase transition and nanomechanical properties of refractory high-entropy alloy thin films: effects of co-sputtering Mo and W on a TiZrHfNbTa system. Nanoscale, 2022, 14, 7561-7568.	5.6	7
3	NbN Superconducting Nanowire Single-Photon Detector With 90.5% Saturated System Detection Efficiency and 14.7 ps System Jitter at 1550 nm Wavelength. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-8.	2.9	7
4	Effects of alloying and deposition temperature on phase formation and superconducting properties of TiZrTaNb-based high entropy-alloy films. Applied Physics Letters, 2022, 120, .	3.3	7
5	Fabrication and transport properties of two dimensional Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ + <i>i</i> Î micro-bridge. Applied Physics Letters, 2022, 120, .	3.3	5
6	Size dependent nature of the magnetic-field driven superconductor-to-insulator quantum-phase transitions. Communications Physics, 2021, 4, .	5.3	6
7	Physical properties of amorphous molybdenum silicide films for single-photon detectors. Superconductor Science and Technology, 2021, 34, 095003.	3.5	9
8	Superconductivity and charge density wave formation in lithium-intercalated $Sr_2Ca_2Cu_3O_{10+\delta}$. Physical Review B, 2021, 104, .	3.2	11
9	Magnetoconductance and photoresponse properties of disordered NbTiN films. Physical Review B, 2021, 104, .	3.2	12
10	Electron energy relaxation in disordered superconducting NbN films. Physical Review B, 2020, 102, . Short-range magnetic interactions and spin-glass behavior in the quasi-two-dimensional nickelate	3.2	22
11	Strong suppression of the resistivity near the superconducting transition in narrow microbridges in external magnetic fields. Physical Review B, 2020, 101, . Anisotropic character of the metal-to-metal transition in	3.2	23
12	Preparation and characterization of high-entropy alloy superconducting films. Physical Review Research, 2020, 2, .	3.2	5
13	Correlation between the tolerance factor and phase transition in Pr_4Ni_3	3.2	15
14		3.2	15
15		3.2	15

#	ARTICLE	IF	CITATIONS
19	<p>Characteristics of superconducting tungsten silicide W_xS_{1-x} for single photon detection. <i>Physical Review B</i>, 2016, 94, .</p>	3.2	45