

Leixin Miao

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

558
citations

1163117

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all docs

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docs citations

22
times ranked

1069
citing authors

#	ARTICLE	IF	CITATIONS
1	Ordering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator MnBi . <i>Nature Communications</i> , 2020, 11, 3476.	3.6	204
2	Giant room temperature anomalous Hall effect and tunable topology in a ferromagnetic topological semimetal Co_2MnAl . <i>Nature Communications</i> , 2020, 11, 3476.	12.8	127
3	Monolayer Vanadium-Doped Tungsten Disulfide: A Room-Temperature Dilute Magnetic Semiconductor. <i>Advanced Science</i> , 2020, 7, 2001174.	11.2	104
4	Illuminating Invisible Grain Boundaries in Coalesced Single-Orientation WS_2 Monolayer Films. <i>Nano Letters</i> , 2021, 21, 6487-6495.	9.1	26
5	Modeling for Structural Engineering and Synthesis of Two-Dimensional WSe_2 Using a Newly Developed ReaxFF Reactive Force Field. <i>Journal of Physical Chemistry C</i> , 2020, 124, 28285-28297.	3.1	20
6	Property and cation valence engineering in entropy-stabilized oxide thin films. <i>Physical Review Materials</i> , 2020, 4, .	2.4	20
7	mpfit: a robust method for fitting atomic resolution images with multiple Gaussian peaks. <i>Advanced Structural and Chemical Imaging</i> , 2020, 6, .	4.0	18
8	SnP_2S_6 : A Promising Infrared Nonlinear Optical Crystal with Strong Nonresonant Second Harmonic Generation and Phase-Matchability. <i>ACS Photonics</i> , 2022, 9, 1724-1732.	6.6	11
9	Formation of metal vacancy arrays in coalesced WS_2 monolayer films. <i>2D Materials</i> , 2021, 8, 011003.	4.4	10
10	Atomic-scale measurement of polar entropy. <i>Physical Review B</i> , 2019, 100, .	3.2	7
11	Self-regulated growth of [111]-oriented perovskite oxide films using hybrid molecular beam epitaxy. <i>APL Materials</i> , 2021, 9, .	5.1	4
12	Spatially Resolved Investigation of the Bandgap Variation across a $\text{Al}_2\text{Ga}_2\text{O}_3/\text{Al}_2\text{O}_3$ Interface by STEM-EELS. <i>ACS Applied Electronic Materials</i> , 2022, 4, 585-591.	3.4	2
13	Investigation of the Atomic and Electronic Structure of $\text{Al}_{0.2}\text{Ga}_{0.8}\text{O}_3$ Alloys by STEM-EELS. <i>Microscopy and Microanalysis</i> , 2019, 25, 2186-2187.	0.4	1
14	Picometer-Precision Atomic Position Tracking through Electron Microscopy. <i>Journal of Visualized Experiments</i> , 2021, .	0.3	1
15	Impact of the Synthesis Kinetics of Entropy-stabilized Oxide Thin Films Probed with 4D-STEM and STEM-EELS. <i>Microscopy and Microanalysis</i> , 2021, 27, 352-354.	0.4	1
16	Statistical Measurement of Polar Displacements in Complex Oxides. <i>Microscopy and Microanalysis</i> , 2017, 23, 1660-1661.	0.4	0
17	High Resolution S/TEM Imaging of High Density Domain Stacking and Coexisting Polar-nonpolar Phases in Layered Perovskite $\text{Ca}_3\text{Mn}_2\text{O}_7$. <i>Microscopy and Microanalysis</i> , 2018, 24, 1916-1917.	0.4	0
18	High Resolution S/Transmission Electron Microscopy Investigation of $\text{Ca}_3\text{Mn}_2\text{O}_7$ Phase Transformation under In-situ Heating Condition. <i>Microscopy and Microanalysis</i> , 2019, 25, 1876-1877.	0.4	0

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19	Analysis and Dynamics of Extended Atomic Defects in Coalesced WS ₂ Monolayer Films. <i>Microscopy and Microanalysis</i> , 2021, 27, 1954-1955.	0.4	0
20	Decoding defect ordering from ADF-STEM images of van der Waals CrGa ₂ Te ₇ ferromagnetic crystals using the unsupervised machine learning algorithm. <i>Microscopy and Microanalysis</i> , 2021, 27, 710-711.	0.4	0