

Xiaoran Liu

List of Publications by Year in descending order

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27
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922
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial stabilization of (111)-oriented frustrated quantum pyrochlore thin films. Journal of Applied Physics, 2021, 129, .	2.5	3
2	Proximate Quantum Spin Liquid on Designer Lattice. Nano Letters, 2021, 21, 2010-2017.	9.1	4
3	Epitaxial stabilization of thin films of the frustrated Ge-based spinels. Physical Review Materials, 2021, 5, .	2.4	3
4	Magnetic Weyl Semimetallic Phase in Thin Films of EuO . Physical Review Letters, 2021, 127, 277204.	3.2	4
5	<i>In-situ</i> fabrication and transport properties of (111) $\text{Y}_2\text{Ir}_2\text{O}_7$ epitaxial thin film. Applied Physics Letters, 2020, 117, .	3.3	12
6	Berry phase manipulation in ultrathin SrRuO_3 films. Physical Review B, 2020, 102, .	3.2	26
7	Orientation-dependent stabilization of $\text{MgCr}_4\text{O}_{10}$ spinel thin films. Physical Review B, 2020, 102, .	3.2	4
8	Strongly correlated and topological states in [111] grown transition metal oxide thin films and heterostructures. APL Materials, 2020, 8, .	5.1	26
9	Unconventional crystal-field splitting in noncentrosymmetric BaTiO_3 thin films. Physical Review Materials, 2020, 4, .	2.4	2
10	Metallic interfaces in a $\text{CaTiO}_3/\text{LaTiO}_3$ superlattice. Physical Review Materials, 2020, 4, .	2.4	2
11	Electronic Structure of a Graphene-like Artificial Crystal of NdNiO_3 . Nano Letters, 2019, 19, 8311-8317.	9.1	7
12	Interface-engineered hole doping in $\text{Sr}_2\text{IrO}_4/\text{LaNiO}_3$ heterostructure. New Journal of Physics, 2019, 21, 103009.	2.9	5
13	Emergent Magnetic State in (111)-Oriented Quasi-Two-Dimensional Spinel Oxides. Nano Letters, 2019, 19, 8381-8387.	9.1	10
14	Interfacial charge-transfer Mott state in iridate/nickelate superlattices. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19863-19868.	7.1	31
15	Anomalous orbital structure in two-dimensional titanium dichalcogenides. Scientific Reports, 2019, 9, 1896.	3.3	5
16	Artificial two-dimensional polar metal at room temperature. Nature Communications, 2018, 9, 1547.	12.8	61
17	Evolution of ferromagnetism in two-dimensional electron gas of $\text{LaTiO}_3/\text{SrTiO}_3$. Applied Physics Letters, 2018, 112, .	3.3	12
18	Electronic properties of ultra-thin YCrO_3 films. Applied Physics Letters, 2018, 112, .	3.3	5

#	ARTICLE	IF	CITATIONS
19	Emergent antiferromagnetism of YTiO ₃ in YTiO ₃ /CaTiO ₃ superlattices. Physical Review B, 2018, 98, .	3.2	1
20	Synthesis and electronic properties of Ruddlesden-Popper strontium iridate epitaxial thin films stabilized by control of growth kinetics. Physical Review Materials, 2017, 1, .	2.4	26
21	Anomalous orbital structure in a spinel/perovskite interface. Npj Quantum Materials, 2016, 1, .	5.2	36
22	Geometrical lattice engineering of complex oxide heterostructures: a designer approach to emergent quantum states. MRS Communications, 2016, 6, 133-144.	1.8	15
23	Magnetic Interactions at the Nanoscale in Trilayer Titanates. Physical Review Letters, 2016, 116, 076802.	7.8	23
24	Engineered Mott ground state in a LaTiO ₃ /LaNiO ₃ heterostructure. Nature Communications, 2016, 7, 10418.	12.8	67
25	Epitaxial growth of (1 1 1)-oriented spinel CoCr ₂ O ₄ /Al ₂ O ₃ heterostructures. Applied Physics Letters, 2015, 106, 071603.	3.3	10
26	Electronic and magnetic properties of (1 1 1)-oriented CoCr ₂ O ₄ epitaxial thin film. Applied Physics Letters, 2014, 105, .	3.3	16
27	Metallic conductance at the interface of tri-color titanate superlattices. Applied Physics Letters, 2013, 103, 231605.	3.3	15