

Yu Liu

List of Publications by Year in descending order

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257357

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62
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62
times ranked

2743
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and control of charge density waves in two-dimensional 1T-TaS ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15054-15059.	3.3	205
2	The Magnetic Genome of Two-Dimensional van der Waals Materials. ACS Nano, 2022, 16, 6960-7079.	7.3	149
3	Electrically Driven Reversible Insulatorâ€“Metal Phase Transition in 1T-TaS ₂ . Nano Letters, 2015, 15, 1861-1866.	4.5	131
4	Superconductivity induced by Se-doping in layered charge-density-wave system 1 <i>i>T</i>-TaS₂âˆ“<i>i>x</i>Se<i>x</i>. Applied Physics Letters, 2013, 102, .</i></i>	1.5	118
5	Controlling the Magnetic Anisotropy of the van der Waals Ferromagnet Fe₃GeTe₂ through Hole Doping. Nano Letters, 2020, 20, 95-100.	4.5	118
6	Topological Magnetic-Spin Textures in Two-Dimensional van der Waals Cr₂Ge₂Te₆. Nano Letters, 2019, 19, 7859-7865.	4.5	116
7	Atomic lattice disorder in charge-density-wave phases of exfoliated dichalcogenides (1T-TaS) Tj ETQq1 1 0.784314 rgBT/Overlock 10 TF 113, 11420-11424.	3.3	86
8	Critical behavior of quasi-two-dimensional semiconducting ferromagnet $\text{Cr}_2\text{Ge}_2\text{Te}_6$. Physical Review B, 2017, 96, .	1.1	69
9	Three-dimensional magnetic critical behavior in $\text{Cr}_3\text{Ge}_3\text{Te}_9$. Physical Review B, 2017, 96, .	1.1	69
10	Superconductivity and bandwidth-controlled Mott metal-insulator transition in 1T-TaS ₂ . Physical Review B, 2017, 96, .	1.1	69
11	Critical behavior of the van der Waals bonded ferromagnet $\text{Fe}_3\text{Ge}_3\text{Te}_9$. Physical Review B, 2017, 96, .	1.1	69
12	Anisotropic magnetic entropy change in $\text{Cr}_2\text{Ge}_2\text{Te}_6$. Physical Review B, 2017, 96, .	0.9	53
13	Anisotropic magnetocaloric effect in single crystals of $\text{Cr}_3\text{Ge}_3\text{Te}_9$. Physical Review B, 2018, 97, .	1.1	69
14	Lattice dynamics and phase transition in $\text{Cr}_3\text{Ge}_3\text{Te}_9$ single crystals. Physical Review B, 2018, 98, .	1.1	69
15	Atomistic origin of an ordered superstructure induced superconductivity in layered chalcogenides. Nature Communications, 2015, 6, 6091.	5.8	47
16	Superconductivity and Charge Density Wave in ZrTe ₃ . Scientific Reports, 2016, 6, 26974.	1.6	47
17	Thickness-dependent magnetic order in CrI ₃ single crystals. Scientific Reports, 2019, 9, 13599.	1.6	47
18	Anomalous Hall effect in the van der Waals bonded ferromagnet $\text{Fe}_3\text{Ge}_3\text{Te}_9$. Physical Review B, 2018, 97, .	1.1	69

#	ARTICLE	IF	CITATIONS
19	Evidence of spin-phonon coupling in CrSiTe_3 . Physical Review B, 2018, 98, .	1.1	41
20	Distinct surface and bulk charge density waves in ultrathin CrTe . Physical Review B, 2016, 94, .	1.1	41
21	Critical behavior of the quasi-two-dimensional weak itinerant ferromagnet trigonal chromium telluride CrTe . Physical Review B, 2017, 96, .	1.1	38
22	Anomalous Hall effect in the trigonal CrTe single crystal. Physical Review B, 2018, 98, .	1.1	27
23	Critical behavior and magnetocaloric effect in Mn_3Sb . Physical Review B, 2018, 98, .	1.1	27
24	Critical behavior and magnetocaloric effect in V_3Sb . Physical Review Research, 2020, 2, .	1.5	25
25	Anisotropic magnetocaloric effect in $\text{Fe}_3\text{xGeTe}_2$. Scientific Reports, 2019, 9, 13233.	1.6	22
26	Magnetic anisotropy and entropy change in trigonal Cr_5Te_8 . Physical Review B, 2019, 100, .	1.1	20
27	Valence band electronic structure of the van der Waals ferromagnetic insulators: V_3CrI_3 and CrI_3 . Scientific Reports, 2020, 10, 15602.	1.6	20
28	Polaronic transport and thermoelectricity in Mn_3Sb single crystals. Physical Review B, 2021, 103, .	1.6	16
29	Two-dimensional charge order stabilized in clean polytype heterostructures. Nature Communications, 2022, 13, 413.	5.8	14
30	Enhanced magnetization in proton irradiated $\text{Mn}_3\text{Si}_2\text{Te}_6$ van der Waals crystals. Applied Physics Letters, 2020, 116, .	1.5	13
31	Anisotropic magnetocaloric effect and critical behavior in CrCl_3 . Physical Review B, 2020, 102, .	1.1	12
32	Three-dimensional ferromagnetism and magnetotransport in van der Waals Mn-intercalated tantalum disulfide. Physical Review B, 2021, 103, .	1.1	12
33	Thickness and Stacking Sequence Determination of Exfoliated Dichalcogenides (1T-TaS_2 ,) Tj ETQq1 1 0.784314 rgBT /Over Microanalysis, 2018, 24, 387-395.	0.2	11
34	Magnetic critical behavior and anomalous Hall effect in 2H-TaTe_2 single crystals. Physical Review Research, 2021, 3, .	1.1	11
35	Anomalous Hall effect in the weak-itinerant ferrimagnet FeCr_2 . Physical Review B, 2021, 103, .	1.1	10
36	Probing charge density wave phases and the Mott transition in CrTe by inelastic light scattering. Physical Review B, 2021, 103, .	1.1	10

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37	Synthesis and Characterization of Ultrathin FeTe ₂ Nanocrystals. ACS Omega, 2021, 6, 10537-10546.	1.6	9
38	Three-dimensional Ising ferrimagnetism of Cr-Fe-Cr trimers in FeCr_2Te_4 . Physical Review B, 2020, 102, .	1.1	8
39	Surface oxidation in a van der Waals ferromagnet Fe _{3-x} GeTe ₂ . Current Applied Physics, 2021, 30, 40-45.	1.1	8
40	Critical phenomena of the layered ferrimagnet Mn ₃ Si ₂ Te ₆ following proton irradiation. Journal of Applied Physics, 2021, 130, .	1.1	8
41	Polaronic Conductivity in Cr ₂ Ge ₂ Te ₆ Single Crystals. Advanced Functional Materials, 2022, 32, .	7.8	7
42	Three-dimensional Fermi surface and small effective masses in Mo ₈ Ga ₄₁ . Applied Physics Letters, 2020, 116, 202601.	1.5	6
43	Photoinduced anisotropic lattice dynamic response and domain formation in thermoelectric SnSe. Npj Quantum Materials, 2021, 6, .	1.8	6
44	Tunable band gap of layered semiconductor Zn ₃ In ₂ S ₆ under pressure. Journal of Materials Chemistry C, 0, , .	2.7	6
45	Suppression of Superconductivity and Nematic Order in Fe _{1-y} Se _{1-x} S _x (0 ≤ x ≤ 1; 0 ≤ y ≤ 0.1) Crystals by Anion Height Disorder. Inorganic Chemistry, 0, , .		6
46	On single-crystal total scattering data reduction and correction protocols for analysis in direct space. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, 611-636.	0.0	5
47	Electrical and thermal transport in van der Waals magnets 2H [±] MxTaS ₂ (M=Mn, Co). Physical Review Research, 2022, 4, .	1.3	5
48	Fe _{0.36(4)} Pd _{0.64(4)} Se ₂ : Magnetic Spin-Glass Polymorph of FeSe ₂ and PdSe ₂ Stable at Ambient Pressure. Inorganic Chemistry, 2019, 58, 3107-3114.	1.9	4
49	Anisotropic magnetocaloric effect and critical behavior in CrSbSe_3 . Physical Review B, 2020, 102, .		
50	Thermal transport and mixed valence in ZrTe ₃ doped with Hf and Se. Applied Physics Letters, 2022, 120, .	1.5	4
51	Suppression of thermal conductivity and electronic correlations in Fe _{1-x} Ru _x Sb ₂ (0 ≤ x ≤ 1). Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	4
52	Thermoelectricity and electronic correlation enhancement in FeS by light Se doping. Physical Review B, 2022, 105, .	1.1	3
53	Absence of long-range magnetic order in FeTe_2 . Tj ETQq1 1 0.784314 rgBT /Overlock		
54	Short-Range Order in V ₃ . Inorganic Chemistry, 2020, 59, 16265-16271.	1.9	2

#	ARTICLE	IF	CITATIONS
55	Coexistence and Coupling of Multiple Charge Orderings and Spin States in Hexagonal Ferrite. Nano Letters, 2021, 21, 5782-5787.	4.5	2
56	Two-dimensional charge order stabilized in clean polytype heterostructures. Microscopy and Microanalysis, 2021, 27, 896-898.	0.2	1
57	Homochiral Skyrmionic Bubbles in Exfoliated 2D Van Der Waals Cr ₂ Ge ₂ Te ₆ . Microscopy and Microanalysis, 2020, 26, 2138-2140.	0.2	0
58	Publisher's Note: Critical behavior of the van der Waals bonded ferromagnet Fe_3Te_2 [Phys. Rev. B 96 , 144429 (2017)]. Physical Review B, 2020, 101, .		
59	Publisher's Note: Critical behavior of the quasi-two-dimensional weak itinerant ferromagnet trigonal chromium telluride Cr _{0.62} Te [Phys. Rev. B 96 , 134410 (2017)]. Physical Review B, 2020, 101, .	1.1	0
60	Publisher's Note: Critical behavior of quasi-two-dimensional semiconducting ferromagnet Cr_2Te [Phys. Rev. B 96 , 054406 (2017)]. Physical Review B, 2020, 101, .		