

Chuanchuan Gu

List of Publications by Year in descending order

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papers

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933447

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888059

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24
all docs

24
docs citations

24
times ranked

663
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-induced iso-structural phase transition and metallization in WSe ₂ . Scientific Reports, 2017, 7, 46694.	3.3	50
2	Pressure-Induced Metallization and Robust Superconductivity in Pristine 1T-SnSe ₂ . Advanced Electronic Materials, 2018, 4, 1800155.	5.1	33
3	Pressure-induced superconductivity in MoP. Npj Quantum Materials, 2018, 3, .	5.2	32
4	Pressure-tunable large anomalous Hall effect of the ferromagnetic kagome-lattice Weyl semimetal Co ₃ Sn ₂ S ₂ . Physical Review B, 2019, 100, .	3.2	25
5	Experimental evidence of crystal symmetry protection for the topological nodal line semimetal state in ZrSiS. Physical Review B, 2019, 100, .	3.2	19
6	Field-induced metamagnetic transition and nonsaturating magnetoresistance in the antiferromagnetic semimetal NdSb. Physical Review B, 2017, 96, .	3.2	16
7	Scotch tape induced strains for enhancing superconductivity of FeSe _{0.5} Te _{0.5} single crystals. Applied Physics Letters, 2014, 105, 232602.	3.3	14
8	Field-Driven Quantum Criticality in the Spinel Magnet $ZnCr_2S_4$. Physical Review Letters, 2018, 120, 147204.	7.8	14
9	Pressure-induced anomalous enhancement of insulating state and isosymmetric structural transition in quasi-one-dimensional TiS_3 . Physical Review B, 2017, 96, .	3.2	12
10	Pressure-induced evolution of structural and electronic properties in $TiTe_2$. Physical Review B, 2019, 99, .	3.2	12
11	Pressure-induced superconductivity in the quasi-one-dimensional charge density wave material CuTe. Physical Review B, 2021, 103, .	3.2	10
12	Pressure-engineered optical properties and emergent superconductivity in chalcopyrite semiconductor ZnSiP ₂ . NPG Asia Materials, 2021, 13, .	7.9	9
13	Pressure-induced multiband superconductivity in pyrite $PtBi_2$ with perfect electron-hole compensation. Physical Review Materials, 2018, 2, .	2.4	9
14	Pressure-Induced Superconductivity in Topological Semimetal Candidate TaTe ₄ . Advanced Electronic Materials, 2020, 6, 1901260.	5.1	8
15	Pressure-induced superconductivity in trigonal layered $PtBi_2$ with triply degenerate point fermions. Physical Review B, 2021, 103, .		
16	Structural and transport properties of the topological semimetal TaSb ₂ at high pressures. Journal of Solid State Chemistry, 2018, 265, 359-363.	2.9	6
17	Negative thermal expansion and magnetostriction in the frustrated spinel ZnCr ₂ (Se _{1-x} S _x) ₄ . Journal of Physics Condensed Matter, 2016, 28, 18LT01.	1.8	5
18	Magnetostriction-induced in situ strain control of superconductivity in FeSe _{0.5} Te _{0.5} . Applied Physics Letters, 2015, 106, .	3.3	4

#	ARTICLE	IF	CITATIONS
19	A direct measurement method of quantum relaxation time. National Science Review, 2021, 8, nwaa242.	9.5	4
20	Pressure-Induced Metallization Accompanied by Elongated S ²⁺ S Dimer in Charge Transfer Insulator NiS ₂ . Chinese Physics Letters, 2019, 36, 107101.	3.3	2
21	Pressure-tuned colossal magnetoresistance effect in n-type CdCr ₂ Se ₄ . Applied Physics Letters, 2021, 118, 262407.	3.3	2
22	Orbital ordering to orbital glass transition in spinel FeCr ₂ xAl _x S ₄ (0 ≤ x ≤ 0.2). Journal of Physics Condensed Matter, 2015, 27, 026003.	1.8	0
23	Pressure Tuning of Magnetism and Drastic Increment of Thermal Conductivity under Applied Magnetic Field in HgCr ₂ S ₄ . Chinese Physics Letters, 2016, 33, 067501.	3.3	0
24	Superconductivity: Pressure-Induced Metallization and Robust Superconductivity in Pristine 1T -SnSe ₂ (Adv. Electron. Mater. 8/2018). Advanced Electronic Materials, 2018, 4, 1870040.	5.1	0