

Jianping Sun

List of Publications by Year in descending order

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57
papers

1,479
citations

471509

17
h-index

315739

38
g-index

59
all docs

59
docs citations

59
times ranked

1838
citing authors

#	ARTICLE	IF	CITATIONS
1	Possible superconductivity at ~ 470 K in tin hydride SnH _x under high pressure. <i>Materials Today Physics</i> , 2022, 22, 100596.	6.0	27
2	A density-wave-like transition in the polycrystalline V ₃ Sb ₂ sample with bilayer kagome lattice. <i>Chinese Physics B</i> , 2022, 31, 017106.	1.4	6
3	Pressure-driven superconducting dome in the vicinity of CDW in the pyrite-type superconductor CuS_2 . <i>Physical Review Materials</i> , 2022, 6, .	2.4	7
4	Interplay between Charge-Density-Wave, Superconductivity, and Ferromagnetism in Cu_2CrTe_4 Chalcogenides. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2442-2451.	4.6	12
5	Superconducting dome associated with the suppression and re-emergence of charge density wave states upon sulfur substitution in Cu_2Te_4 chalcogenides. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 205602.	1.8	4
6	Pressure-Induced Superconductivity up to 9 K in the Quasi-One-Dimensional KMn_6 . <i>Physical Review Letters</i> , 2022, 128, 187001.	7.8	23
7	Pressured-induced superconducting phase with large upper critical field and concomitant enhancement of antiferromagnetic transition in EuTe_2 . <i>Nature Communications</i> , 2022, 13, .	12.8	11
8	Pressure effect in the antiperovskite phosphide superconductor SrP . <i>Physical Review B</i> , 2022, 105, .	1.2	10
9	A low-T c superconducting modification of Th_4H_{15} synthesized under high pressure. <i>Superconductor Science and Technology</i> , 2021, 34, 034006.	3.5	11
10	Pressure effects on the FeSe-based superconductors. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2021, 51, 047403.	0.4	0
11	Critical behavior and effect of Sr substitution in double perovskite $\text{Ca}_2\text{CrSbO}_6$. <i>Chinese Physics B</i> , 2021, 30, 037501.	1.4	0
12	Double Superconducting Dome and Triple Enhancement of c in the Kagome Superconductor CsV_3Sb_5 . <i>Physical Review Letters</i> , 2021, 126, 247001.	7.8	240
13	Anisotropic Superconducting Properties of Kagome Metal CsV_3Sb_5 . <i>Chinese Physics Letters</i> , 2021, 38, 057403.	3.3	91
14	Effects of disorder and hydrostatic pressure on charge density wave and superconductivity in H_2H . <i>Physical Review B</i> , 2021, 103, .	3.2	11
15	Anomalous charge density wave state evolution and dome-like superconductivity in $\text{Cu}_2\text{Te}_{4-x}\text{Se}_x$ chalcogenides. <i>Superconductor Science and Technology</i> , 2021, 34, 115003.	3.5	7
16	Competition between charge-density-wave and superconductivity in the kagome metal RbV_3Sb_5 . <i>Physical Review Research</i> , 2021, 3, .	3.6	50
17	Superconducting phase diagram and the evolution of electronic structure across charge density wave in underdoped H_2H under hydrostatic pressure. <i>Physical Review B</i> , 2021, 104, .	3.2	3
18	Insight into long-period pattern by depth sectioning using aberration-corrected scanning transmission electron microscope. <i>Ultramicroscopy</i> , 2020, 209, 112885.	1.9	3

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19	Pressure-induced second high-T _c superconducting phase in the organic-ion-intercalated (CTA) _{0.3} FeSe single crystal. <i>Europhysics Letters</i> , 2020, 130, 67004.	2.0	6
20	Superconducting phase diagrams of S-doped HSe_2 under hydrostatic pressure. <i>Physical Review B</i> , 2020, 102, .	3.2	10
21	Coupled magnetic and structural phase transitions in the antiferromagnetic polar metal PbO_6 under pressure. <i>Physical Review B</i> , 2020, 102, .	3.2	5
22	Superconductivity of Lanthanum Superhydride Investigated Using the Standard Four-Probe Configuration under High Pressures*. <i>Chinese Physics Letters</i> , 2020, 37, 107401.	3.3	61
23	Pressure effect on the magnetoresistivity of topological semimetal RhSn. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 355601.	1.8	2
24	Metal-to-metal transition and heavy-electron state in NdO_{10} . <i>Physical Review B</i> , 2020, 101, .	3.2	16
25	Pressure-Induced Metallization and Structural Phase Transition in the Quasi-One-Dimensional TlFeSe_2 *. <i>Chinese Physics Letters</i> , 2020, 37, 047102.	3.3	9
26	Physical properties and pressure-induced superconductivity in the single-crystalline band insulator SnO. <i>Physical Review B</i> , 2020, 101, .	3.2	2
27	Pressure effect on the anomalous Hall effect of ferromagnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. <i>Physical Review Materials</i> , 2020, 4, .	2.4	12
28	Giant pressure-enhancement of multiferroicity in CuBr_2 . <i>Physical Review Research</i> , 2020, 2, .	3.6	16
29	Pressure-induced phase transitions and superconductivity in a quasi-1-dimensional topological crystalline insulator Bi_4Br_4 . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17696-17700.	7.1	36
30	Magnetic-Competition-Induced Colossal Magnetoresistance in n-Type HgCr_2 under High. <i>Physical Review Letters</i> , 2019, 123, 047201.	7.8	9
31	Asymmetric ferromagnetic criticality in pyrochlore ferromagnet $\text{Lu}_2\text{V}_2\text{O}_7$. <i>Science Bulletin</i> , 2019, 64, 1222-1227.	9.0	5
32	Pressure-induced enhancement of thermoelectric power factor in pristine and hole-doped SnSe crystals. <i>RSC Advances</i> , 2019, 9, 26831-26837.	3.6	7
33	Ionic-Liquid-Gating Induced Protonation and Superconductivity in $\text{FeSe}_{0.93}\text{S}_{0.07}$, ZrNCl , 1T-TaS_2 and Bi_2Se_3 . <i>Chinese Physics Letters</i> , 2019, 36, 077401.	3.3	20
34	Pressure effect on spin-driven multiferroicity in a Y-type hexaferrite. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4173-4177.	5.5	3
35	Pressure-induced enhancement of superconductivity and quantum criticality in the 12442-type hybrid-structure superconductor $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$. <i>Physical Review B</i> , 2019, 99, .	3.2	15
36	Effect of pressure on the self-hole-doped superconductor $\text{RbGd}_2\text{Fe}_4\text{As}_4\text{O}_2$. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 044001.	1.8	2

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37	High-pressure phase of CrS : A new quasi-one-dimensional itinerant magnet with competing interactions. <i>Physical Review Materials</i> , 2019, 3, .	2.4	2
38	High- T_c superconductivity up to 55 K under high pressure in a heavily electron doped $\text{LiO}_{.36}(\text{NH}_3)_y\text{Fe}_2\text{Se}_2$ single crystal. <i>Physical Review B</i> , 2018, 97, .	3.2	44
39	with interlayer $\text{As}\delta\text{-As}$ bond formation in Rh-doped $\text{Ca}_{1-x}\text{Fe}_x\text{O}_{8-y}\text{As}_2$ magnetic state: Persistent magnetism	3.2	6
40	Reemergence of high- T_c superconductivity in the $(\text{Li}_{1-x}\text{Fe}_x)\text{OHFe}_{1-y}\text{Se}$ under high pressure. <i>Nature Communications</i> , 2018, 9, 380.	12.8	60
41	Pressure-induced phase transitions and superconductivity in a black phosphorus single crystal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9935-9940.	7.1	47
42	Evolution of Magnetic Double Helix and Quantum Criticality near a Dome of Superconductivity in CrAs . <i>Physical Review X</i> , 2018, 8, .	8.9	20
43	Bipolar Conduction as the Possible Origin of the Electronic Transition in Pentatellurides: Metallic vs Semiconducting Behavior. <i>Physical Review X</i> , 2018, 8, .	8.9	55
44	Cubic anvil cell apparatus for high-pressure and low-temperature physical property measurements. <i>Chinese Physics B</i> , 2018, 27, 077403.	1.4	12
45	Effect of chemical and hydrostatic pressure on the cubic pyrochlore $\text{Cd}_2\text{Ru}_2\text{O}_7$. <i>Physical Review B</i> , 2018, 98, .	3.2	5
46	Effect of Pb doping on metallic state of cubic pyrochlore $\text{Cd}_2\text{Ru}_2\text{O}_7$. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2018, 67, 127402.	0.5	0
47	Effect of high pressure on intercalated FeSe high- T_c superconductors. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2018, 67, 207404.	0.5	2
48	Evidence for pressure-induced node-pair annihilation in $\text{C}_{1-x}\text{Fe}_x\text{O}_{8-y}\text{As}_2$	3.2	14
49	Physi Effect of hydrostatic pressure on the superconducting properties of quasi-1D superconductor $\text{K}_{2-x}\text{Cr}_{1-x}\text{As}_3$. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 455603.	1.8	8
50	Hydrostatic pressure effects on the static magnetism in $\text{Eu}(\text{Fe}_{0.925}\text{Co}_{0.075})_2\text{As}_2$. <i>Scientific Reports</i> , 2017, 7, 3532.	3.3	9
51	Heavy fermion behavior in the quasi-one-dimensional Kondo lattice CeCo_2Ga_8 . <i>Npj Quantum Materials</i> , 2017, 2, .	5.2	27
52	High- T_c Superconductivity in FeSe at High Pressure: Dominant Hole Carriers and Enhanced Spin Fluctuations. <i>Physical Review Letters</i> , 2017, 118, 147004.	7.8	64
53	Pressure-Induced Charge-Order Melting and Reentrant Charge Carrier Localization in the Mixed-Valent $\text{Pb}_3\text{Rh}_7\text{O}_{15}$. <i>Chinese Physics Letters</i> , 2017, 34, 087201.	3.3	0
54	Recent progress on the high-pressure studies of FeSe single crystal. <i>Chinese Science Bulletin</i> , 2017, 62, 3925-3934.	0.7	1

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55	<p>ation of superconductivity with the structural transition in $M\text{O}_3$ S</p> <p>http://www.w3.org/1998/Math/MathML <mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">L</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>.</p>	3.2	7
56	Dome-shaped magnetic order competing with high-temperature superconductivity at high pressures in FeSe. Nature Communications, 2016, 7, 12146.	12.8	210
57	Pressure Induced Superconductivity on the border of Magnetic Order in MnP. Physical Review Letters, 2015, 114, 117001.	7.8	153