

Jie Xing

List of Publications by Year in descending order

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37
papers

1,122
citations

516710

16
h-index

395702

33
g-index

37
all docs

37
docs citations

37
times ranked

1491
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, crystal structure and magnetic properties of KLnSe_2 ($\text{Ln} = \text{La}, \text{Ce}, \text{Pr}, \text{Nd}$) structures: A family of 2D triangular lattice frustrated magnets. <i>Journal of Solid State Chemistry</i> , 2022, 308, 122917.	2.9	7
2	Mesoscale interplay between phonons and crystal electric field excitations in quantum spin liquid candidate CsYbSe_2 . <i>Journal of Materials Chemistry C</i> , 2022, 10, 4148-4156.	5.5	5
3	$\text{NaCo}_2(\text{SeO}_3)_2(\text{OH})$: competing magnetic ground states of a new sawtooth structure with $3d^{7+}$ Co^{2+} ions. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4329-4340.	6.0	5
4	Stacking Faults and Short-Range Magnetic Correlations in Single Crystal $\text{Y}_5\text{Ru}_2\text{O}_{12}$: A Structure with $\text{Ru}^{4.5+}$ One-Dimensional Chains. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000197.	1.5	6
5	Crossover from Kondo to Fermi-liquid behavior induced by high magnetic field in VTe_2 single crystals. <i>Physical Review B</i> , 2021, 103, .	3.2	15
6	Stripe antiferromagnetic ground state of the ideal triangular lattice compound KErSe_2 . <i>Physical Review B</i> , 2021, 103, .	3.2	9
7	Direct visualization of anionic electrons in an electrider reveals inhomogeneities. <i>Science Advances</i> , 2021, 7, .	10.3	24
8	Effects of Impurities on the Thermal and Electrical Transport Properties of Cubic Boron Arsenide. <i>Chemistry of Materials</i> , 2021, 33, 6974-6982.	6.7	19
9	Synthesis and anisotropic magnetism in quantum spin liquid candidates YbSe_2 ($\text{A} = \text{K}$ and Tj) $\text{ETQq}_{1.1}$. <i>npj Quantum Materials</i> , 2021, 1, 0784314.	5.1	17
10	Systematic extraction of crystal electric-field effects and quantum magnetic model parameters in triangular rare-earth magnets. <i>Physical Review Research</i> , 2021, 3, .	3.6	10
11	Observation of a Large Magnetic Anisotropy and a Field-Induced Magnetic State in $\text{SrCo}(\text{VO}_4)_2(\text{OH})$: A Structure with a Quasi One-Dimensional Magnetic Chain. <i>Inorganic Chemistry</i> , 2020, 59, 1029-1037.	4.0	7
12	Crystal Synthesis and Frustrated Magnetism in Triangular Lattice CsRE_2Se_2 ($\text{RE} = \text{La}, \text{Lu}$): Quantum Spin Liquid Candidates CsCeSe_2 and CsYbSe_2 . <i>Chemistry of Materials</i> , 2020, 32, 71-75.	3.2	49
13	Observation of antiferromagnetic order and magnetic field-temperature phase diagram in the spin-1 rare-earth honeycomb compound YbCl . <i>Physical Review B</i> , 2020, 102, .	3.2	40
14	Frustrated Magnetism in Triangular Lattice TlYbS_2 Crystals Grown via Molten Flux. <i>Frontiers in Chemistry</i> , 2020, 8, 127.	3.6	9
15	Fermiology and type-I superconductivity in the chiral superconductor Nb_3Sb with Kramers-Weyl fermions. <i>Physical Review B</i> , 2020, 102, .	3.2	9
16	Anisotropic properties, charge ordering, and ferrimagnetic structures in the strongly correlated VPO single crystal. <i>Physical Review Materials</i> , 2020, 4, .	3.2	10
17	Nontrivial topology in the layered Dirac nodal-line semimetal candidate SrZnSb with distorted Sb square nets. <i>Physical Review B</i> , 2019, 100, .	3.2	12
18	Field-induced magnetic transition and spin fluctuations in the quantum spin-liquid candidate CsYbSe_2 . <i>Physical Review B</i> , 2019, 100, .	3.2	56

#	ARTICLE	IF	CITATIONS
37	Transport properties, upper critical field and anisotropy of Ba(Fe _{0.75} Ru _{0.25}) ₂ As ₂ single crystals. Science China: Physics, Mechanics and Astronomy, 2012, 55, 2259-2263.	5.1	5