

List of Publications by Year in descending order

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75
papers

5,531
citations

201385

27
h-index

76769

74
g-index

77
all docs

77
docs citations

77
times ranked

6946
citing authors

#	ARTICLE	IF	CITATIONS
1	Orbital competition of Mn ³⁺ and V ³⁺ ions in Mn _{1+x} V _{2-x} O ₄ . Journal of Physics Condensed Matter, 2021, 33, 134002.	0.7	1
2	Crystalline electric field excitations in the quantum spin liquid candidate NaYbSe ₂ . Physical Review B, 2021, 103, .	1.1	12
3	Carbon Foam Fibers with a Concentric Tubeâ€Core/Threeâ€Dimensional Nanosheetâ€Sheath Structure for Highâ€Performance Lithiumâ€Sulfur Batteries. ChemElectroChem, 2021, 8, 873-879.	1.7	4
4	Miscibility gap and possible intrinsic Griffiths phase in Sr ₂ VO ₄ crystals grown b. Physical Review B, 2021, 103, .	1.1	10
5	Effective magnetic Hamiltonian at finite temperatures for rare-earth chalcogenides. Physical Review B, 2021, 103, .	1.1	18
6	Evolution of magnetic field induced ordering in the layered quantum Heisenberg triangular-lattice antiferromagnet Ba ₃ CoSb ₂ O ₉ . Physical Review B, 2021, 103, .	1.1	11
7	Experimental evidence for a valence-bond glass in the double perovskite Ba ₂ VO ₄ . Physical Review B, 2021, 103, .	1.1	4
8	Inâ€plane Defect Engineering Enabling Ultraâ€stable Graphene Paperâ€based Hosts for Lithium Metal Anodes. ChemElectroChem, 2021, 8, 3273-3281.	1.7	5
9	A cost-effective and humidity-tolerant chloride solid electrolyte for lithium batteries. Nature Communications, 2021, 12, 4410.	5.8	141
10	Soft-mode dynamics in the ferroelectric phase transition of GeTe. Npj Computational Materials, 2021, 7, .	3.5	11
11	Spectra of Quasi-One-Dimensional Antiferromagnet BaCo ₂ V ₂ . Physical Review Letters, 2021, 127, 077201.	2.9	22
12	Free-standing films based on Ni wires core/foamed NiO shell as hosts for stable lithium anodes. Journal of Power Sources, 2021, 506, 230161.	4.0	6
13	Topological magnon insulators in two-dimensional van der Waals ferromagnets CrSiTe ₃ and CrGeTe ₃ : Toward intrinsic gap-tunability. Science Advances, 2021, 7, eabi7532.	4.7	56
14	Field-induced quantum spin disordered state in spin-1/2 honeycomb magnet Na ₂ Co ₂ TeO ₆ . Nature Communications, 2021, 12, 5559.	5.8	57
15	Electronic structure of non-centrosymmetric PtBi ₂ studied by angle-resolved photoemission spectroscopy. Journal of Applied Physics, 2020, 128, .	1.1	5
16	Observation of Weyl fermions in a magnetic non-centrosymmetric crystal. Nature Communications, 2020, 11, 3356.	5.8	55
17	Establishing the carrier scattering phase diagram for ZrNiSn-based half-Heusler thermoelectric materials. Nature Communications, 2020, 11, 3142.	5.8	87
18	ThMnPnN (Pn = P, As): Synthesis, Structure, and Chemical Pressure Effects. Inorganic Chemistry, 2020, 59, 2937-2944.	1.9	12

#	ARTICLE	IF	CITATIONS
19	Realization of the orbital-selective Mott state at the molecular level in BaO_9 . Physical Review Materials, 2020, 4, .	0.9	3
20	Magnetic structures, spin-flop transition, and coupling of Eu and Mn magnetism in the Dirac semimetal EuMnBi . Physical Review Research, 2020, 2, .	1.3	15
21	Magnetic properties of the low-dimensional $\text{BaM}_2\text{Si}_2\text{O}_7$ system ($M=\text{Cu}, \text{Co}, \text{Mn}$). Physical Review B, 2019, 100, .	1.1	2
22	Highly dispersive magnons with spin-gap-like features in the frustrated ferromagnetic compound Ca_2YCu . Physical Review B, 2019, 100, .	1.1	10
23	Negative Thermal Expansion of Ni-Doped MnCoGe at Room-Temperature Magnetic Tuning. ACS Applied Materials & Interfaces, 2019, 11, 17531-17538.	4.0	14
24	Anharmonic lattice dynamics of Te and its counter-intuitive strain dependent lattice thermal conductivity. Journal of Materials Chemistry C, 2019, 7, 5970-5974.	2.7	9
25	The unusual suppression of superconducting transition temperature in double-doping 2H-NbSe_2 . Superconductor Science and Technology, 2019, 32, 085008.	1.8	11
26	BaO_{24} : A model two-dimensional spin-1 triangular lattice antiferromagnet. Physical Review Materials, 2019, 3, .	0.9	9
27	Magnetoelectric and Raman spectroscopic studies of monocrystalline MnCr_2O_4 . Physical Review B, 2018, 97, .	1.1	18
28	Polarized neutron diffraction study in helical magnetic phases of MnP . Physica B: Condensed Matter, 2018, 551, 115-117.	1.3	1
29	Transitions from a Kondo-like diamagnetic insulator into a modulated ferromagnetic metal in $\text{FeGa}_{3-x}\text{Ge}_x$. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3273-3278.	3.3	10
30	From Claringbullite to a New Spin Liquid Candidate $\text{Cu}_3\text{Zn}(\text{OH})_6\text{FCl}$. Chinese Physics Letters, 2018, 36, 017502.	1.3	28
31	Arrott plots, M^4 plots and the critical temperature of the weak ferromagnet $\text{FeGa}_{3-x}\text{Ge}_x$. AIP Advances, 2018, 8, .	0.6	4
32	Lattice distortion effects on the frustrated spin-1 triangular-antiferromagnet AB_2O_4 .		

#	ARTICLE	IF	CITATIONS
55	Natural nanostructure and superlattice nanodomains in AgSbTe ₂ . Journal of Applied Physics, 2014, 115, 144903. Magnetic phase diagram and multiferroicity of	1.1	12
56	antiferromagnet $Ba_3MnNb_2O_9$: A spin- $\frac{1}{2}$ antiferromagnet	1.1	60
57	Phonon scattering rates and atomic ordering in $AgMnO_3$	1.1	60
58			

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73	Stabilization of Charge Ordering in $\text{La}_{1/3}\text{Sr}_{2/3}\text{FeO}_3$ by Magnetic Exchange. <i>Physical Review Letters</i> , 2007, 98, 126402.	2.9	38
74	Energy dissipation in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 386, 22-25.	0.6	10
75	Structural modifications and phonon softening in $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{R}_x\text{Cu}_2\text{O}_8$ ($\text{R} = \text{Pr}$ and Gd) single crystals. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 2859-2866.	0.7	5