

Lei Ding

List of Publications by Year in descending order

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34
papers

1,052
citations

623699

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414395

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all docs

34
docs citations

34
times ranked

1537
citing authors

#	ARTICLE	IF	CITATIONS
1	A van der Waals antiferromagnetic topological insulator with weak interlayer magnetic coupling. <i>Nature Communications</i> , 2020, 11, 97. Tuning the range, magnitude, and sign of the thermal expansion in intermetallic Mn ₃ (Zn, Tj)ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td	12.8	176
2	Realization of an intrinsic ferromagnetic topological state in MnBi ₈ Te ₁₃ . <i>Science Advances</i> , 2020, 6, eaba4275.	3.2	145
3	Gapless spin-liquid state in the structurally disorder-free triangular antiferromagnet NaYbO ₂ . <i>Physical Review B</i> , 2019, 100, .	3.2	145
4	Near zero temperature coefficient of resistivity in antiperovskite Mn ₃ Ni _{1-x} Cu _x N. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	81
5	Crystal and magnetic structures of magnetic topological insulators MnBi ₂ Te ₃ and MnBi ₄ Te ₅ . <i>Physical Review B</i> , 2020, 101, .	3.2	76
6	Preparation and near zero thermal expansion property of Mn ₃ Cu _{0.5} A _{0.5} N (A=Ni, Sn)/Cu composites. <i>Scripta Materialia</i> , 2011, 65, 687-690.	5.2	59
7	An intriguing intermediate state as a bridge between antiferroelectric and ferroelectric perovskites. <i>Materials Horizons</i> , 2020, 7, 1912-1918.	12.2	34
8	Magnetic transition, lattice variation and electronic transport properties of Ag-doped Mn ₃ Ni _{1-x} Ag _x N antiperovskite compounds. <i>Scripta Materialia</i> , 2012, 67, 173-176.	5.2	28
9	Spin-glass-like behavior and negative thermal expansion in antiperovskite Mn ₃ Ni _{1-x} Cu _x N compounds. <i>Journal of Applied Physics</i> , 2015, 117, 213915.	2.5	21
10	One-dimensional short-range magnetic correlations in the magnetoelectric pyroxene CaMnGe ₂ O ₆ . <i>Physical Review B</i> , 2016, 93, .	3.2	19
11	Morphology control and fabrication of multi-shelled NiO spheres by tuning the pH value via a hydrothermal process. <i>CrystEngComm</i> , 2014, 16, 11096-11101.	2.6	18
12	Noncollinear magnetic structure and magnetoelectric coupling in buckled honeycomb Co ₄ O ₉ : A single-crystal neutron diffraction study. <i>Physical Review B</i> , 2020, 102, .	3.2	18
13	Unusual magnetic structure of the high-pressure synthesized perovskites A ₃ Co ₂ Bi. <i>Physical Review B</i> , 2020, 102, .	3.2	17
14	Giant spontaneous exchange bias in an antiperovskite structure driven by a canted triangular magnetic structure. <i>Materials Horizons</i> , 2019, 6, 318-325.	12.2	15
15	Neutron diffraction study of magnetism in van der Waals layered MnBi _{2n+1} Te _{3n+1} . <i>Journal Physics D: Applied Physics</i> , 2021, 54, 174003.	2.8	13
16	Field-tunable toroidal moment in a chiral-lattice magnet. <i>Nature Communications</i> , 2021, 12, 5339.	12.8	13
17	SrMGe ₂ O ₆ (M = Mn, Co): a family of pyroxene compounds displaying multiferroicity. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4236-4245.	5.5	12

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19	The phenomenon of conversion polymorphism in Bi-containing metastable perovskites. Chemical Communications, 2019, 55, 4683-4686.	4.1	12
20	Preparation and properties of antiperovskite Mn ₃ NiN thin film. Materials Letters, 2011, 65, 3447-3449.	2.6	11
21	Colossal magnetoresistance in the insulating ferromagnetic double perovskites Ti ₂ NiMnO ₆ : A neutron diffraction study. Acta Materialia, 2019, 173, 20-26.	7.9	11
22	Unraveling the complex magnetic structure of multiferroic pyroxene NaFeGe ₂ O ₆ : A combined experimental and theoretical study. Physical Review B, 2018, 98, 040408. Unraveling the complex magnetic structure of multiferroic pyroxene NaFeGe₂O₆: A combined experimental and theoretical study. Physical Review B, 2018, 98, 040408.	3.2	10
23	Stripe order and magnetic anisotropy in the antiferromagnet Nb ₄ Fe ₂ O ₁₀ . Physical Review B, 2018, 98, 040408.	2.4	8
24	Incommensurate spin ordering and excitations in multiferroic BaMoP ₇ O ₂₈ . Physical Review B, 2018, 98, 040408.	3.2	7
25	Incommensurate spin ordering and excitations in multiferroic SrMnGe ₂ O ₆ . Physical Review B, 2018, 98, 040408.	3.2	7
26	Unusual Electrical Transport Driven by the Competition between Antiferromagnetism and Ferromagnetism in Antiperovskite Mn ₃ Zn _{1-x} CoxN. Materials, 2018, 11, 286.	2.9	5
27	Cu _{0.8} Mg _{1.2} Si ₂ O ₆ : a copper-bearing silicate with the low-clinopyroxene structure. Mineralogical Magazine, 2016, 80, 325-335.	1.4	4
28	Coupling between Spin and Charge Order Driven by Magnetic Field in Triangular Ising System LuFe ₂ O ₄ . Crystals, 2018, 8, 88.	2.2	3
29	Three different Ge environments in a new Sr ₅ CuGe ₉ O ₂₄ phase synthesized at high pressure and high temperature. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 727-732.	1.1	3
30	Highly efficient anti-stokes generation in irregularly multicore microstructure fiber with double zero-dispersion wavelengths. Microwave and Optical Technology Letters, 2006, 48, 389-393.	3.2	3
31	Highly efficient anti-stokes generation in irregularly multicore microstructure fiber with double zero-dispersion wavelengths. Microwave and Optical Technology Letters, 2006, 48, 389-393.	1.4	2
32	Magnetic and electronic transport properties of antiperovskite Mn ₃ Cu(Ge)N thin films. Materials Letters, 2011, 65, 2401-2403.	2.6	2
33	Experimental research on mode properties of large mode area photonic-crystal fiber laser. Microwave and Optical Technology Letters, 2005, 46, 141-144.	1.4	0
34	High-power superfluorescent source of Yb ³⁺ -doped double-cladding photonic crystal fiber. Optoelectronics Letters, 2005, 1, 161-163.	0.8	0