Lei Ding

List of Publications by Year
in descending order

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34	1,052	623574	414303
papers	citations	14 h-index	32 g-index

34	34	34	1537
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neutron diffraction study of magnetism in van der Waals layered MnBi_{2n}Te_{3n+1}. Journal Physics D: Applied Physics, 2021, 54, 174003.	1.3	13
2	Field-tunable toroidal moment in a chiral-lattice magnet. Nature Communications, 2021, 12, 5339.	5.8	13
3	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mo</mml:mi><mml:msub><mml:mi mathvariant="normal">P</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Si</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>11</mml:mn></mml:msub></mml:mrow></mml:math> : A	1.1	3
4	A van der Waals antiferromagnetic topological insulator with weak interlayer magnetic coupling. Nature Communications, 2020, 11, 97.	5.8	176
5	Realization of an intrinsic ferromagnetic topological state in MnBi ₈ Te ₁₃. Science Advances, 2020, 6, eaba4275.	4.7	122
6	Three different Ge environments in a new Sr₅CuGe₉O₂₄phase synthesized at high pressure and high temperature. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 727-732.	0.5	3
7	Noncollinear magnetic structure and magnetoelectric coupling in buckled honeycomb <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>4</mml:mn></mml:mn><mml:mi mathvariant="normal">O</mml:mi><mml:mn>9</mml:mn></mml:msub></mml:mrow></mml:math> : A single-crystal neutron diffraction study. Physical Review B, 2020, 102, .	1.1	18
8	Incommensurate spin ordering and excitations in multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrMnG</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 101, .	1.1	7
9	Crystal and magnetic structures of magnetic topological insulators<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 101, .	1.1	72
10	An intriguing intermediate state as a bridge between antiferroelectric and ferroelectric perovskites. Materials Horizons, 2020, 7, 1912-1918.	6.4	34
11	Large spin-driven dielectric response and magnetoelectric coupling in the buckled honeycomb <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Fe</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Nb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>9</mml:mn></mml:msub></mml:math>. Physical Review Materials, 2019, 3, .	0.9	8
12	Gapless spin-liquid state in the structurally disorder-free triangular antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NaYbO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2019, 100, .	1.1	101
13	Giant spontaneous exchange bias in an antiperovskite structure driven by a canted triangular magnetic structure. Materials Horizons, 2019, 6, 318-325.	6.4	15
14	Colossal magnetoresistance in the insulating ferromagnetic double perovskites Tl2NiMnO6: A neutron diffraction study. Acta Materialia, 2019, 173, 20-26.	3.8	11
15	The phenomenon of conversion polymorphism in Bi-containing metastable perovskites. Chemical Communications, 2019, 55, 4683-4686.	2.2	12
16	Stripe order and magnetic anisotropy in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mn>1</mml:mn> antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaMoP</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	1.1	7
17	Unraveling the complex magnetic structure of multiferroic pyroxene <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaFeGe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> : A combined experimental and theoretical study. Physical Review B, 2018, 98, .	1.1	10
18	Coupling between Spin and Charge Order Driven by Magnetic Field in Triangular Ising System LuFe2O4+ĩ. Crystals, 2018, 8, 88.	1.0	3

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19	Unusual Electrical Transport Driven by the Competition between Antiferromagnetism and Ferromagnetism in Antiperovskite Mn3Zn1â^'xCoxN. Materials, 2018, 11, 286.	1.3	5
20	Unusual magnetic structure of the high-pressure synthesized perovskites <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:msub><mml:mi>Cr</mml:mi><mml:mn>0	1.0	17
21	Cu_{0.8}Mg_{1.2}Si₂O₆: a copper-bearing silicate with the low-clinopyroxene structure. Mineralogical Magazine, 2016, 80, 325-335.	0.6	4
22	SrMGe₂O₆ (M = Mn, Co): a family of pyroxene compounds displaying multiferroicity. Journal of Materials Chemistry C, 2016, 4, 4236-4245.	2.7	12
23	One-dimensional short-range magnetic correlations in the magnetoelectric pyroxene<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaMnGe</mml:mi><mml:mn>2</mml:mn> mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	1.1	19
24	Spin-glass-like behavior and negative thermal expansion in antiperovskite Mn3Ni1â^'xCuxN compounds. Journal of Applied Physics, 2015, 117, 213915.	1.1	21
25	Morphology control and fabrication of multi-shelled NiO spheres by tuning the pH value via a hydrothermal process. CrystEngComm, 2014, 16, 11096-11101.	1.3	18
26	Tuning the range, magnitude, and sign of the thermal expansion in intermetallic Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>(Zn,<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mml:	1.1	145
27	Magnetic transition, lattice variation and electronic transport properties of Ag-doped Mn3Ni1â^'xAgxN antiperovskite compounds. Scripta Materialia, 2012, 67, 173-176.	2.6	28
28	Preparation and near zero thermal expansion property of Mn3Cu0.5A0.5N (A=Ni, Sn)/Cu composites. Scripta Materialia, 2011, 65, 687-690.	2.6	59
29	Magnetic and electronic transport properties of antiperovskite Mn3Cu(Ge)N thin films. Materials Letters, 2011, 65, 2401-2403.	1.3	2
30	Preparation and properties of antiperovskite Mn3NiN thin film. Materials Letters, 2011, 65, 3447-3449.	1.3	11
31	Near zero temperature coefficient of resistivity in antiperovskite Mn3Ni1â^'xCuxN. Applied Physics Letters, 2011, 99, .	1.5	81
32	Highly efficient anti-stokes generation in irregularly multicore microstructure fiber with double zero-dispersion wavelengths. Microwave and Optical Technology Letters, 2006, 48, 389-393.	0.9	2
33	Experimental research on mode properties of large mode area photonic-crystal fiber laser. Microwave and Optical Technology Letters, 2005, 46, 141-144.	0.9	0
34	High-power superfluorescent source of Yb3+-doped double-cladding photonic crystal fiber. Optoelectronics Letters, 2005, 1, 161-163.	0.4	0