Martin R Lees

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3482356/publications.pdf

Version: 2024-02-01

288	7,794	57758	82547
papers	citations	44 h-index	72 g-index

299	299	299	6994
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Texturing of magnetic materials at high temperature by solidification in a magnetic field. Nature, 1991, 349, 770-772.	27.8	380
2	Higgs transition from a magnetic Coulomb liquid to a ferromagnet in Yb2Ti2O7. Nature Communications, 2012, 3, 992.	12.8	170
3	Evidence for superconductivity with broken time-reversal symmetry in locally noncentrosymmetric SrPtAs. Physical Review B, 2013, 87, .	3.2	166
4	Temperature and time dependence of the field-driven magnetization steps inCa3Co2O6single crystals. Physical Review B, 2004, 70, .	3.2	161
5	Quantum tunneling of the magnetization in the Ising chain compound Ca3Co2O6. Journal of Materials Chemistry, 2004, 14, 1231-1234.	6.7	160
6	Field-induced magnetization steps in intermetallic compounds and manganese oxides: The martensitic scenario. Physical Review B, 2004, 69, .	3.2	157
7	Direct Hydrothermal Synthesis and Physical Properties of Rare-Earth and Yttrium Orthochromite Perovskites. Chemistry of Materials, 2011, 23, 48-56.	6.7	152
8	Detection of Time-Reversal Symmetry Breaking in the Noncentrosymmetric Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Re</mml:mi></mml:mrow><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Muon-Spin Spectroscopy. Physical Review Letters, 2014, 112, 107002.	7.8	142
9	Nature of the Magnetic Order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ca</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Co</mml:mi><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2008, 101, 097207.	7.8	130
10	Specific heat and magnetization study on single crystals of the frustrated quasi-one-dimensional oxideCa3Co2O6. Physical Review B, 2003, 68, .	3.2	121
11	Observation of magnetic fragmentation in spin ice. Nature Physics, 2016, 12, 746-750.	16.7	117
12	Influence of charge and magnetic ordering on the insulator-metal transition inPr1â^'xCaxMnO3. Physical Review B, 1995, 52, R14303-R14307.	3.2	116
13	Bismuth Iridium Oxide Oxygen Evolution Catalyst from Hydrothermal Synthesis. Chemistry of Materials, 2012, 24, 4192-4200.	6.7	106
14	Unconventional Superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>La</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>by Muon Spin Relaxation: Introducing a New Family of Noncentrosymmetric Superconductor That Breaks Time-Reversal Symmetry. Physical Review Letters, 2015, 115, 267001.	7.8	100
15	Specific heat ofPr0.6(Ca1â^'xSrx)0.4MnO3(0<~x<~1). Physical Review B, 1999, 59, 1298-1303.	3.2	94
16	Ferromagnetic fullerene. Journal of Physics Condensed Matter, 2002, 14, L385-L391.	1.8	89
17	Magnetic quantum tunneling inCa3Co2O6studied by ac susceptibility: Temperature and magnetic-field dependence of the spin-relaxation time. Physical Review B, 2004, 70, .	3.2	89
18	Readily Prepared Metallo-Supramolecular Triple Helicates Designed to Exhibit Spin-Crossover Behaviour. Chemistry - A European Journal, 2004, 10, 5737-5750.	3.3	86

#	Article	IF	Citations
19	Slow Magnetic Order-Order Transition in the Spin Chain Antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ca</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Co</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:math>. Physical Review Letters, 2011, 106, 197204.	7.8	84
20	Stabilization of Cerium(IV) in the Presence of an Iodide Ligand:Â Remarkable Effects of Lewis Acidity on Valence State. Journal of the American Chemical Society, 1999, 121, 11255-11256.	13.7	80
21	Observation of spontaneous magnetization jumps in manganites. Physical Review B, 2003, 68, .	3.2	79
22	Fluctuations and All-In–All-Out Ordering in Dipole-Octupole<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Nd</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Zr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2015, 115, 197202.	7.8	79
23	Superconducting properties of the In-substituted topological crystalline insulator SnTe. Physical Review B, 2013, 87, .	3.2	76
24	High-magnetic-field behavior of the triangular-lattice antiferromagnetCuFeO2. Physical Review B, 2000, 62, 8983-8988.	3.2	71
25	Ruthenium(V) Oxides from Low–Temperature Hydrothermal Synthesis. Angewandte Chemie - International Edition, 2014, 53, 4423-4427.	13.8	70
26	Incommensurate magnetic ground state revealed by resonant x-ray scattering in the frustrated spin system<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Ca</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Co</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>. Physi	3.2	68
27	Single crystal growth of rare earth titanate pyrochlores. Journal of Physics Condensed Matter, 1998, 10, L723-L725.	1.8	61
28	Magnetization reversal in orthovanadateRVO3compounds (R=La, Nd, Sm, Gd, Er, and Y): Inhomogeneities caused by defects in the orbital sector of quasi-one-dimensional orbital systems. Physical Review B, 2007, 75, .	3.2	60
29	Preparation and characterization of polyethylenimine–coated Fe₃O₄–MCM–48 nanocomposite particles as a novel agent for magnet–assisted transfection. Journal of Biomedical Materials Research - Part A, 2010, 92A, 386-392.	4.0	60
30	Investigations of the superconducting states of noncentrosymmetric LaPdSi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>and LaPtSi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 89, .	3.2	60
31	Insulator–metal transitions in Pr0.7Ca0.3MnO3 induced by a magnetic field. Applied Physics Letters, 1996, 68, 424-426.	3.3	58
32	Crystal Structures and Magnetic Properties of Rare-Earth Ultraphosphates, RP5O14 (R=La, Nd, Sm, Eu,) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	56
33	Superconducting and normal-state properties of the noncentrosymmetric superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Re</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2018, 98, .	3.2	54
34	Synthesis of novel magnetic iron metal–silica (Fe–SBA-15) and magnetite–silica (Fe₃O₄–SBA-15) nanocomposites with a high iron content using temperature-programed reduction. Nanotechnology, 2008, 19, 255606.	2.6	53
35	Signatures of the Kondo effect in VSe2. Scientific Reports, 2017, 7, 10964.	3.3	52
36	Magnetic phase diagram of the antiferromagnetic pyrochloreGd2Ti2O7. Physical Review B, 2004, 70, .	3.2	50

#	Article	IF	Citations
37	Structures and Magnetism of the Rare-Earth Orthochromite Perovskite Solid Solution La_xSm_{1â€“x}CrO₃. Inorganic Chemistry, 2013, 52, 12161-12169.	4.0	50
38	Anisotropic magnetic properties ofTbNi2B2C single crystals. Physical Review B, 1996, 53, 307-312.	3.2	49
39	Neutron scattering and muon spin relaxation measurements of the noncentrosymmetric antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="bold">CeCoGe</mml:mi><mml:mn mathvariant="bold">3</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 88, .	3.2	49
40	Revised magnetic properties of CuFeO2â€”a case of mistaken identity. Journal of Physics Condensed Matter, 2005, 17, 2741-2747.	1.8	48
41	Superconductivity and magnetism inDyNi2B2C single crystals. Physical Review B, 1995, 52, 9186-9189.	3.2	47
42	Electronic Texture of the Thermoelectric OxideNa0.75CoO2. Physical Review Letters, 2008, 100, 096405.	7.8	47
43	Structural and magnetic investigations of single-crystalline neodymium zirconate pyrochlore<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Zr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 91, .	3.2	47
44	Low-temperature magnetoresistance and magnetic ordering in. Journal of Physics Condensed Matter, 1996, 8, 2967-2979.	1.8	44
45	Muon-spin-spectroscopy study of the penetration depth of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>FeTe</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2010, 81, .	3.2	44
46	Specific heat investigation of the magnetic ordering in two frustrated spin-chain oxides: Ca3Co2O6and Ca3CoRhO6. Journal of Physics Condensed Matter, 2003, 15, 5737-5746.	1.8	43
47	Magnetization hysteresis and time decay measurements in FeSe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.50</mml:mn></mml:mrow></mml:msub></mml:math>Te<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.50</mml:mn></mml:mrow></mml:msub></mml:math>: Evidence for fluctuation in mean free path induced pinning. Physical Review B, 2011, 84, .	3.2	43
48	Antiferromagnetism atT>500Kin the layered hexagonal ruthenateSrRu2O6. Physical Review B, 2015, 92, .	3.2	43
49	A New Monoclinic Perovskite Allotype in Pr0.6Sr0.4MnO3. Journal of Solid State Chemistry, 1996, 127, 276-282.	2.9	42
50	Colossal magnetoresistance in Gd1/2Sr1/2MnO3. Journal of Applied Physics, 1998, 83, 7664-7667.	2.5	42
51	Growth of large single crystals of rare earth hexaborides. Journal of Crystal Growth, 2003, 256, 206-209.	1.5	42
52	Role of electronic correlations on the phonon modes of MnO and NiO. Physical Review B, 2003, 68, .	3.2	42
53	Multiferroic properties and magnetic structure of Sm<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow></mml:mrow></mml:msub></mml:mrow></mml:math>	3.2	42
54	Structure and superconductivity of two different phases of Re<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>W. Physical Review B, 2011, 84, .	3.2	42

#	Article	IF	Citations
55	Large, high quality single-crystals of the new Topological Kondo Insulator, SmB6. Scientific Reports, 2013, 3, 3071.	3.3	42
56	First-order magnetic transition inYb2Ti2O7. Physical Review B, 2014, 89, .	3.2	42
57	Temperature dependence of the spin and orbital magnetization density inSm0.982Gd0.018Al2around the spin-orbital compensation point. Physical Review B, 2002, 66, .	3.2	41
58	Magnetization process in the spin-ice compoundHo2Ti2O7. Physical Review B, 2003, 68, .	3.2	41
59	Superconducting and normal-state properties of the noncentrosymmetric superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Re</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2017, 96, .	3.2	40
60	Single crystals of the anisotropic KagomÃ© staircase compounds Ni3V2O8and Co3V2O8. Journal of Physics Condensed Matter, 2004, 16, L347-L350.	1.8	39
61	Single crystal neutron diffraction study of the magnetisation process in Ca3Co2O6. European Physical Journal B, 2005, 47, 79-83.	1.5	39
62	Comparative study of the centrosymmetric and noncentrosymmetric superconducting phases of Re<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>W using muon spin spectroscopy and heat capacity measurements. Physical Review B, 2012, 85, .	3.2	39
63	Static magnetic moments revealed by muon spin relaxation and thermodynamic measurements in the quantum spin ice<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>Yb</mml:mtext><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2014, 89, .	3.2	39
64	Two- and three-dimensional magnetic order in the layered cobalt oxychlorideSr2CoO3Cl. Physical Review B, 2003, 68, .	3.2	38
65	The enhancement of direct amide synthesis reaction rate over TiO 2 @SiO 2 @NiFe 2 O 4 magnetic catalysts in the continuous flow under radiofrequency heating. Journal of Catalysis, 2017, 355, 120-130.	6.2	38
66	Magnetic excitations in theXY-pyrochlore antiferromagnetEr2Ti2O7. Physical Review B, 2010, 82, .	3.2	36
67	Structural, spectroscopic, magnetic and electrical characterization of Ca-doped polycrystalline bismuth ferrite, Bi_{1â^'x}Ca_xFeO_{3â^'x/2}(xâ‰ˆ) Tj ET Q q 1 1 0 0 784314 rg	3.2	38
68	Growth of single-crystals of rare-earth zirconate pyrochlores, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0008.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="italic">Ln</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:msub></mml:math>		

#	Article	IF	Citations
73	Spin glass-like antiferromagnetic interactions in iron phosphate glasses. Journal of Non-Crystalline Solids, 2004, 345-346, 245-250.	3.1	31
74	Spin correlations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Ca</mml:mi><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:mi	3.2	31
75	Rare-earth transition-metal magnetic interactions in pristine and (Ni,Fe)-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>YCo</mml:mi><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>GdCo</mml:mi><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub></mml:math>. Physical Review Materials, 2017, 1, .	2.4	31
76	Single crystal growth of Bi2Sr2CaCu2O8 using an infra-red image furnace. Physica C: Superconductivity and Its Applications, 1993, 206, 148-154.	1.2	30
77	Growth, transport, and magnetic properties of Pr0.67Ca0.33MnO3 thin films. Applied Physics Letters, 1996, 69, 263-265.	3.3	30
78	Single-crystal neutron-diffraction study of a structural phase transitioninduced by a magnetic field inLa1â^'xSrxMnO3. Physical Review B, 1997, 55, R8622-R8625.	3.2	30
79	Optical conductivity studies ofLa3/2Sr1/2NiO4:Lattice effect on charge ordering. Physical Review B, 2001, 64, .	3.2	30
80	Raman scattering study of Nd1ÂxSrxMnO3(xÂ 0.3, 0.5). Journal of Physics Condensed Matter, 2003, 15, 3333-3342.	1.8	30
81	Neutron-powder-diffraction study of the magnetic and structural properties ofPr0.6(Ca1â^'xSrx)0.4MnO3(0<~x<~1). Physical Review B, 1998, 58, 8694-8703.	3.2	29
82	Advances in catalytic chain transfer polymerisation mediated by cobaloximes. Macromolecular Symposia, 2001, 165, 29-42.	0.7	29
83	Oxygen moment formation and canting inLi2CuO2. Physical Review B, 2003, 68, .	3.2	29
84	Investigation of the spin density wave in NaxCoO2. Journal of Physics Condensed Matter, 2005, 17, 707-718.	1.8	29
85	Superconducting and magnetic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 90, .	3.2	29
86	Anin vitromodel of mesenchymal stem cell targeting using magnetic particle labelling. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 724-733.	2.7	29
87	Robust singlet dimers with fragile ordering in two-dimensional honeycomb lattice of Li2RuO3. Scientific Reports, 2016, 6, 25238.	3.3	29
88	Pressure-induced change in the magnetic modulation ofCeRhIn5. Physical Review B, 2002, 66, .	3.2	28
89	NMR study of magnetic order, metamagnetic transitions, and low-temperature spin freezing in Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	3.2	28
90	Superconducting properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">Sn</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mi mathvariant="normal">In</mml:mi><mml:mrow><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">Te</mml:mi></mml:math>		

#	Article	IF	Citations
91	Stable Iron Oxide Nanoflowers with Exceptional Magnetic Heating Efficiency: Simple and Fast Polyol Synthesis. ACS Applied Materials & Interfaces, 2021, 13, 45870-45880.	8.0	28
92	Effects of alloying on Ce heavy fermion compounds. Journal of Magnetism and Magnetic Materials, 1988, 76-77, 173-175.	2.3	27
93	Field-driven magnetisation steps in Ca ₃ Co ₂ O ₆ : A single-crystal neutron-diffraction study. Europhysics Letters, 2010, 90, 67006.	2.0	27
94	Low-temperature magnetic fluctuations in the Kondo insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">SmB</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 89, .	3.2	27
95	Probing the superconducting ground state of the noncentrosymmetric superconductors<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ca</mml:mi><mml:mi>T</mml:mi><mml:msub><mml:mrow><mml:mi mathvariant="normal">Si</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math>(<mml:math 3j2ETQq1 1 0.784314 muon-spin relaxation and rotation. Physical Review B, 2014, 90, .	3.2	27
96	Zirconate Pyrochlore Frustrated Magnets: Crystal Growth by the Floating Zone Technique. Crystals, 2016, 6, 79.	2.2	27
97	Magnetisation process in the rare earth tetraborides, NdB4 and HoB4. Scientific Reports, 2018, 8, 232.	3.3	27
98	Evidence of double-gap superconductivity in noncentrosymmetric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nb</mml:mi><mml:mrow><mml:mn>0.18</ crystals. Physical Review B, 2015, 91, .	3.2	26
99	Transport properties of the pyrochlore<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">Y</mml:mi><mml:msub><mml:mi mathvariant="normal">b</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant	3.2	26
100	Transport properties of magnetically textured YBa2Cu3O7â˜Î´. Physica C: Superconductivity and Its Applications, 1992, 191, 414-418.	1.2	25
101	Magnetic properties of tapiolite (FeTa2O6); a quasi two-dimensional (2D) antiferromagnet. Journal of Physics Condensed Matter, 2004, 16, 7837-7852.	1.8	25
102	Spin, orbital ordering, and magnetic dynamics of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LaVO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:m Magnetization, heat capacity, and neutron scattering studies. Physical Review B, 2008, 78, .	3.2	25
103	Magnetic field-induced ordering in SrDy₂O₄. Journal of Physics Condensed Matter, 2013, 25, 256001.	1.8	25
104	Evidence for dynamic kagome ice. Nature Communications, 2018, 9, 3786.	12.8	25
105	Magnetic correlations in the spin iceHo2âˆ'xYxTi2O7as revealed by neutron polarization analysis. Physical Review B, 2010, 82, .	3.2	24
106	Titanium pyrochlore magnets: how much can be learned from magnetization measurements?. Journal of Physics Condensed Matter, 2011, 23, 164218.	1.8	24
107	Remotely Triggered Scaffolds for Controlled Release of Pharmaceuticals. International Journal of Molecular Sciences, 2013, 14, 8585-8602.	4.1	24
108	Magnetically melt textured YBa2Cu3O7â˜Î´. Physica C: Superconductivity and Its Applications, 1992, 194, 171-176.	1.2	23

#	Article	IF	Citations
109	Colossal Terahertz Magnetoresistance at Room Temperature in Epitaxial La_{0.7}Sr_{0.3}MnO₃ Nanocomposites and Single-Phase Thin Films. Nano Letters, 2017, 17, 2506-2511.	9.1	23
110	Bulk textured rare earth-Ba2Cu3O7- deltaprepared by solidification in a magnetic field. Superconductor Science and Technology, 1992, 5, 362-367.	3.5	22
111	Power-law distribution of avalanche sizes in the field-driven transformation of a phase-separated oxide. Physical Review B, 2004, 70, .	3.2	22
112	Structural variety in iridate oxides and hydroxides from hydrothermal synthesis. Chemical Science, 2011, 2, 1573.	7.4	22
113	Exchange interactions in Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow	3.2	22
114	A study of the use of a magnetic field to control the microstructure of the high-temperature superconducting oxide YBa2Cu3O7 -Î´. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1992, 65, 1395-1404.	0.6	21
115	Influence of pressure on structural and magnetic phase transitions inLa0.835Sr0.165MnO3. Physical Review B, 1997, 56, 2285-2287.	3.2	21
116	Magnetic properties of (Pr(Ca,â€,Sr))MnO3 studied by nuclear magnetic resonance. Journal of Applied Physics, 1998, 83, 7151-7153.	2.5	21
117	O(Mn) vibrational bands in double-layered manganites: First and second order Raman scattering. Physical Review B, 2001, 63, .	3.2	21
118	Magnetic susceptibility and heat capacity investigations of the unconventional spin-chain compoundSr3CuPtO6. Physical Review B, 2004, 69, .	3.2	21
119	Heteroepitaxial Growth of Ferromagnetic MnSb(0001) Films on Ge/Si(111) Virtual Substrates. Crystal Growth and Design, 2013, 13, 4923-4929.	3.0	21
120	Chiral singlet superconductivity in the weakly correlated metal LaPt3P. Nature Communications, 2021, 12, 2504.	12.8	21
121	Origin of skyrmion lattice phase splitting in Zn-substituted<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>Physical Review Materials, 2018, 2, .	2.4	21
122	55MnNMR investigation ofNd1â^'xSrxMnO3(0.1<~x<~0.5). Physical Review B, 2002, 66, .	3.2	20
123	Two-gap superconductivity in Lu2Fe3Si5: A transverse-field muon spin rotation study. Physical Review B, 2011, 83, .	3.2	20
124	Magnetic properties of geometrically frustratedSrGd2O4. Physical Review B, 2014, 90, .	3.2	20
125	Effects of alloying in the Ce(Cu1-xAux)6(xâ©½.25). Journal of Physics Condensed Matter, 1990, 2, 6403-6411.	1.8	19
126	Magnetic measurements of suspended functionalised ferromagnetic beads under DC applied fields. Journal of Magnetism and Magnetic Materials, 2009, 321, 2129-2134.	2.3	19

#	Article	IF	Citations
127	Magnetic susceptibility and heat capacity measurements of single crystal TbMnO₃. Journal of Physics Condensed Matter, 2014, 26, 256002.	1.8	19
128	Heparin-stabilised iron oxide for MR applications: a relaxometric study. Journal of Materials Chemistry B, 2016, 4, 3065-3074.	5.8	19
129	Thermodynamic and magnetic properties of multicomponent (Fe,Ni)70Zr10B20 amorphous alloy powders made by mechanical alloying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 992-996.	5.6	18
130	Rare earth hexaborides: large single crystals. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 601-602.	2.3	18
131	Neutron inelastic scattering investigation of the magnetic excitations inCu2Te2O5X2(X=Br,Cl). Physical Review B, 2005, 71, .	3.2	18
132	Control of the third dimension in copper-based square-lattice antiferromagnets. Physical Review B, 2016, 93, .	3.2	18
133	Thermodynamic and transport properties of (CexGd1â˜'x)Cu6for 0â‰¤xâ‰¤1. Physical Review B, 1991, 43, 8264-8271.	3.2	17
134	Pressure Tuning of Magnetic Interactions in Layered(La0.6Nd0.4)1.2Sr1.8Mn2O7Manganite. Physical Review Letters, 2000, 84, 2710-2713.	7.8	17
135	Effect of the hybrid composition on the physicochemical properties and morphology of iron oxideâ€“gold nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	17
136	Magnetic zeolites: novel nanoreactors through radiofrequency heating. Chemical Communications, 2017, 53, 4262-4265.	4.1	17
137	(M,Ru)O₂ (M = Mg, Zn, Cu, Ni, Co) Rutiles and Their Use as Oxygen Evolution Electrocatalysts in Membrane Electrode Assemblies under Acidic Conditions. Chemistry of Materials, 2020, 32, 6150-6160.	6.7	17
138	Spin-polarized electron momentum density distributions in the Invar systemFe3Pt. Physical Review B, 2002, 65, .	3.2	16
139	Single crystal growth of using a high-temperature image furnace. Journal of Crystal Growth, 2005, 274, 294-296.	1.5	16
140	Isomeric Fe(ii) MOFs: from a diamond-framework spin-crossover material to a 2D hard magnet. Chemical Communications, 2011, 47, 12646.	4.1	16
141	Physical stability, biocompatibility and potential use of hybrid iron oxide-gold nanoparticles as drug carriers. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	16
142	Multigap superconductivity in chiral noncentrosymmetric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>TaRh</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo>,</mml:mo><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 98, .	3.2	16
143	Structural, Magnetic, Magnetocaloric, and Magnetostrictive Properties of Pb_{1-x}Sr_xMnBO₄ (x = 0, 0.5, and 1.0). Chemistry of Materials, 2020, 32, 10184-10199.	6.7	16
144	Long-range magnetic ordering in the Kondo lattice CeCuGa3. Journal of Magnetism and Magnetic Materials, 1996, 159, 223-226.	2.3	15

#	Article	IF	Citations
145	Volume and Anisotropic Spontaneous Striction in Layered Manganites: Role of Charge Localization and Magnetic Interactions. Physical Review Letters, 2000, 84, 995-998.	7.8	15
146	Growth of SrRuO3thin films on MgO substrates by pulsed laser ablation. Journal Physics D: Applied Physics, 2002, 35, 2243-2246.	2.8	15
147	Resonant x-ray scattering investigation of the multipolar ordering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ca</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2008, 78, .	3.2	14
148	Hydrothermal Synthesis of a B-Site Magnetic Ruthenate Pyrochlore. Crystal Growth and Design, 2010, 10, 3819-3823.	3.0	14
149	Novel Magnetite-Silica Nanocomposite (Fe₃O₄-SBA-15) Particles for DNA Binding and Gene Delivery Aided by a Magnet Array. Journal of Nanoscience and Nanotechnology, 2011, 11, 3586-3591.	0.9	14
150	Structural and magnetic properties of single-crystals of the geometrically frustrated zirconium pyrochlore, Pr₂Zr₂O₇. Materials Research Express, 2014, 1, 026109.	1.6	14
151	Suppression of magnetic excitations near the surface of the topological Kondo insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SmB</mml:mi><mml:mn>6</mml:mn></mml:msub> Physical Review B, 2017, 95, .	3.2	14
152	Magnetic excitations in the ground state of Yb2Ti2O7. Physical Review B, 2017, 96, .	3.2	14
153	Crossover from low-dimensional to three-dimensional ferromagnetism inCePd1âˆ’xPtxSballoys. Physical Review B, 2000, 61, 1232-1239.	3.2	13
154	Heat capacity and magnetic properties of a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Eu</mml:mi><mml:mi mathvariant="normal">V</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>single crystal. Physical Review B, 2007, 76, .	3.2	13
155	Resonant X-ray scattering study ofCa3Co2O6ground state: Preliminary results of magnetic field effects. Physica B: Condensed Matter, 2009, 404, 3042-3044.	2.7	13
156	Magnetic phases in a Gd2Ti2O7pyrochlore for a field applied along the[100]axis. Physical Review B, 2012, 85, .	3.2	13
157	Evidence for a hybridization gap in noncentrosymmetric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CeRuSi</mml:mi><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2015, 91, .	3.2	13
158	Coexistence of type-I and type-II superconductivity signatures in ZrB12 probed by muon spin rotation measurements. Physical Review B, 2020, 102, .	3.2	13
159	Magnetic monopole density and antiferromagnetic domain control in spin-ice iridates. Nature Communications, 2022, 13, 444.	12.8	13
160	Giant topological and planar Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cr</mml:mi><mml:mrow> Physical Review Research, 2022, 4, .	3.6	13
161	Superconducting and magnetic properties of DyNi2B2C single crystals. Physica B: Condensed Matter, 1996, 223-224, 62-65.	2.7	12
162	Pressure-Enhanced 3D Antiferromagnetic Correlations inLa1.4Sr1.6Mn2O7. Physical Review Letters, 2001, 87, 167203.	7.8	12

#	Article	IF	Citations
163	On the Mechanism of Cuprate Crystal Growth: The Role of Mixed Metal Carbonates. Advanced Functional Materials, 2015, 25, 4700-4707.	14.9	12
164	Probing the superconducting ground state of ZrIrSi: A muon spin rotation and relaxation study. Physical Review B, 2019, 99, .	3.2	12
165	Investigation of superconducting gap structure in HfIrSi using muon spin relaxation/rotation. Journal of Physics Condensed Matter, 2020, 32, 085601.	1.8	12
166	Probing the superconducting gap structure in the noncentrosymmetric topological superconductor ZrRuAs. Physical Review B, 2021, 103, .	3.2	12
167	Primary role of the structural phase transition in the strongly coupled structure and magnetism ofLa0.835Sr0.165MnO3single crystal. Physical Review B, 1998, 57, R6775-R6778.	3.2	11
168	Influences of oxide phases on the coercivity of mechanically alloyed multicomponent Fe-based amorphous alloys. Scripta Materialia, 2001, 44, 2729-2734.	5.2	11
169	Depth-dependent magnetism in epitaxial MnSb thin films: effects of surface passivation and cleaning. Journal of Physics Condensed Matter, 2012, 24, 146002.	1.8	11
170	Crystal growth of the non-centrosymmetric superconductor Nb0.18Re0.82. Journal of Crystal Growth, 2012, 361, 129-131.	1.5	11
171	Effects of rare-earth size on the electronic structure of La_{1â^'x}Lu_xVO₃. Journal of Physics Condensed Matter, 2015, 27, 105503.	1.8	11
172	Single crystal growth, structure and magnetic properties of Pr₂Hf₂O₇pyrochlore. Journal of Physics Condensed Matter, 2017, 29, 075902.	1.8	11
173	Electron-irradiation induced defects in Yb2Ti2.05O7. Acta Materialia, 2018, 143, 291-297.	7.9	11
174	Neutron-diffraction study ofCeCuGa3. Physical Review B, 1998, 57, 7419-7422.	3.2	10
175	The influence of magnetic field and pressure on the structural phase transition in La 1- x Sr x MnO 3. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1998, 356, 1543-1561.	3.4	10
176	Correlation of the magnetic and magnetotransport properties in aNd1.5Sr1.5Mn2O7single crystal. Physical Review B, 1999, 60, 5440-5446.	3.2	10
177	On the growth and properties of high quality single crystals of the yttrium doped strontium cobaltates, Y_{1â^'x}Sr_xCoO_{3â^'Î´}(0.7 â‰¤ x â‰¤ 0.95). Journal of Materials Chemistry, 2011, 21, 1212-1217.	6.7	10
178	A new stoichiometry of cuprate nanowires. Superconductor Science and Technology, 2012, 25, 115005.	3.5	10
179	Low-temperature muon spin rotation studies of the monopole charges and currents in Y doped Ho2Ti2O7. Scientific Reports, 2013, 3, 1881.	3.3	10
180	Ba4Ru3O10.2(OH)1.8: a new member of the layered hexagonal perovskite family crystallised from water. Chemical Communications, 2016, 52, 6375-6378.	4.1	10

#	Article	IF	Citations
181	Electric field controlled magnetization and charge-ordering in Pr 0.6 Ca 0.4 MnO 3. Materials Chemistry and Physics, 2017, 194, 142-146.	4.0	10
182	Superconductivity and the upper critical field in the chiral noncentrosymmetric superconductor NbRh₂B₂. Journal of Physics Condensed Matter, 2019, 31, 465601.	1.8	10
183	Optical Floating Zone Crystal Growth of Rare-Earth Disilicates, R₂Si₂O₇ (R = Er, Ho, and Tm). Crystal Growth and Design, 2020, 20, 6636-6648.	3.0	10
184	Pairing symmetry of an intermediate valence superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CeIr</mml:mi><mml:mn>3</mml:mn></mml:msub></mm investigated using <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î¼</mml:mi><mml:mi>SR</mml:mi></mml:mrow></mml measurements. Physical Review B, 2021, 103, .	3.2	10
185	Field-induced magnetic phase transitions in a GdSi single crystal. Physical Review B, 2005, 71, .	3.2	9
186	Structural phase transitions in the Ag2Nb4O11â€“Na2Nb4O11 solid solution. Journal of Solid State Chemistry, 2012, 192, 385-389.	2.9	9
187	Low-temperature magnetisation process in the cubic pyrochlore quantum antiferromagnet, Er2Ti2O7. European Physical Journal B, 2013, 86, 1.	1.5	9
188	Crystal growth and properties of the non-centrosymmetric superconductor, Ru7B3. Journal of Crystal Growth, 2014, 395, 22-25.	1.5	9
189	On the path to bulk FeH2: Synthesis and magnetic properties of amorphous iron (II) hydride. Journal of Alloys and Compounds, 2014, 590, 199-204.	5.5	9
190	Low temperature magnetic properties of Nd₂Ru₂O₇. Journal of Physics Condensed Matter, 2018, 30, 155601.	1.8	9
191	Iron Carbide@Carbon Nanocomposites: A Tool Box of Functional Materials. Materials, 2019, 12, 323.	2.9	9
192	Near-ideal molecule-based Haldane spin chain. Physical Review Research, 2020, 2, .	3.6	9
193	Magnetism and NÃ©el skyrmion dynamics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>GaV</mml:mi><mml:mn>4</mml:mn></ mathvariant="normal">S</mml:mi><mml:mrow><mml:mn>8</mml:mn><mml:mtext>â^’</mml:mtext><mml:mi>y</mml:mi></mml:m	3.6	9
194	Comparative study of the structural and magnetic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>3</mml:mn></mml:mrow> mathvariant="normal">NbS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Cr</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mi. Phy	2.4	9
195	Kondo lattice behaviour in Ce(CuxAg1â^’x)2 (0.5â©½xâ©½1.0). Physica B: Condensed Matter, 1990, 163, 375-378.	2.8	8
196	Effects of alloying on the heavy fermion compound CeCu6: substituion of Al. Journal of Physics Condensed Matter, 1990, 2, 4773-4777.	1.8	8
197	Single-crystal growth and properties of the double-layered manganese oxides. Journal of Physics Condensed Matter, 1997, 9, L471-L474.	1.8	8
198	Effect of externally applied pressure on the magnetic behavior ofCu2Te2O5(BrxCl1â^’x)2. Physical Review B, 2006, 73, .	3.2	8

#	Article	IF	Citations
199	Preparation and Characterization of Iron Oxideâ€“Silica Composite Particles Using Mesoporous SBA-15 Silica as Template and Their Internalization Into Mesenchymal Stem Cell and Human Bone Cell Lines. IEEE Transactions on Nanobioscience, 2010, 9, 165-170.	3.3	8
200	Structural, optical and vibrational properties of self-assembled Pbn+1(Ti1âˆ’xFex)nO3n+1âˆ’Î´ Ruddlesden-Popper superstructures. Scientific Reports, 2015, 5, 7719.	3.3	8
201	Establishing magneto-structural relationships in the solid solutions of the skyrmion hosting family of materials: GaV4S8âˆ’ySey. Scientific Reports, 2020, 10, 9813.	3.3	8
202	Torque magnetometry study of the spin reorientation transition and temperature-dependent magnetocrystalline anisotropy in NdCo₅. Journal of Physics Condensed Matter, 2020, 32, 255802.	1.8	8
203	Disorder-induced critical exponents near a ferromagnetic quantum critical point in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml:mi></mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi	3.2	8
204	Evidence for the coexistence of time-reversal symmetry breaking and Bardeen-Cooper-Schrieffer-like superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>La</mml:mi></mml:mrow><mml:mn>7</mml:mn> Physical Review B, 2021, 103, .	3.2	8
205	Pressure-induced changes in transport properties of layeredLa1.2Ca1.8Mn2O7. Physical Review B, 1997, 56, R12688-R12690.	3.2	7
206	Anisotropic low-field behavior and the observation of flux jumps inCeCoIn5. Physical Review B, 2003, 68, .	3.2	7
207	Temperature and field dependence of the spin magnetization density inSmMn2Ge2. Physical Review B, 2005, 71, .	3.2	7
208	Spin wave dispersion and magnons from short range order in tapiolite (FeTa2O6); a quasi-two-dimensional antiferromagnet. Journal of Physics Condensed Matter, 2005, 17, 7227-7235.	1.8	7
209	Structure and magnetism in Fe/FexPd1âˆ’xcore/shell nanoparticles formed by alloying in Pd-embedded Fe nanoparticles. Journal of Physics Condensed Matter, 2013, 25, 386004.	1.8	7
210	Total neutron scattering investigation of the structure of a cobalt gallium oxide spinel prepared by solvothermal oxidation of gallium metal. Journal of Physics Condensed Matter, 2013, 25, 454212.	1.8	7
211	Determining the anisotropy and exchange parameters of polycrystalline spin-1 magnets. New Journal of Physics, 2019, 21, 093025.	2.9	7
212	Superconductivity in monocrystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YNiSi</mml:mi><mml:mn>3</mml:mn></mml:msub></m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LuNiSi</mml:mi><mml:mn>3</mml:mn></mml:msub></m Physical Review B, 2019, 99, .	3.2	7
213	Single-Crystal Growth of Metallic Rare-Earth Tetraborides by the Floating-Zone Technique. Crystals, 2019, 9, 211.	2.2	7
214	Ir 5d-band derived superconductivity in LaIr₃. Journal of Physics Condensed Matter, 2020, 32, 065602.	1.8	7
215	Selective uptake of Ag(I) from aqueous solutions using ionic liquid-modified iron oxide nanoparticles. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	7
216	Magnetic structure investigation of the intercalated transition metal dichalcogenide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>3</mml:mn></mml:mrow></m mathvariant="normal">NbS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 103, .	3.2	7

#	Article	IF	Citations
217	Effects of Fe Deficiency and Co Substitution in Polycrystalline and Single Crystals of Fe₃GeTe₂. Crystal Growth and Design, 2021, 21, 6786-6792.	3.0	7
218	Transport and thermodynamic properties of CECUxAg1â^'xAl3. Physica B: Condensed Matter, 1999, 259-261, 10-11.	2.7	6
219	Self-Managing Postoperative Pain with the Use of a Novel, Interactive Device: A Proof of Concept Study. Pain Research and Management, 2016, 2016, 1-6.	1.8	6
220	Investigation of the transport, magnetic and flux pinning properties of the noncentrosymmetric superconductor TaRh2B2 under hydrostatic pressure. Physica C: Superconductivity and Its Applications, 2020, 571, 1353586.	1.2	6
221	Multiferroic behaviour in Sm_{1â^'x}Y_xMnO₃. Journal of Physics: Conference Series, 2010, 200, 012149.	0.4	5
222	Magnetic properties of GdBaCo₂O_{5.5â^'Î´}single crystals. Journal of Physics: Conference Series, 2010, 200, 012104.	0.4	5
223	Magnetic Properties of Layered Gd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow		

#	Article	IF	Citations
235	Magnetic and structural changes in Cu1â^'xAlx alloy matrix â€“ Embedded Fe nanoparticle systems. Journal of Magnetism and Magnetic Materials, 2019, 471, 549-554.	2.3	4
236	Characterizing oxygen atoms in perovskite and pyrochlore oxides using ADF-STEM at a resolution of a few tens of picometers. Acta Materialia, 2021, 208, 116717.	7.9	4
237	thin film bilayers grown by pulsed laser ablation deposition. Journal Physics D: Applied Physics, 1996, 29, 2522-2524.	2.8	3
238	Pressure-induced change in magnetic and transport properties of layered (La0.6Nd0.4)1.2Sr1.8Mn2O7. Physica B: Condensed Matter, 1999, 265, 191-194.	2.7	3
239	High magnetic-field study of the magnetization of layered manganite Nd2â^'2xSr1+2xMn2O7 single crystals. Physica B: Condensed Matter, 2001, 294-295, 107-110.	2.7	3
240	ESR study of Nd0.5Sr0.5MnO3 single crystal. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1807-1809.	2.3	3
241	The magnetic field and pressure dependence of the magnetic ordering transition in NaxCoO2(0.6â‰¤xâ‰¤0.72). Journal of Physics Condensed Matter, 2006, 18, 4731-4739.	1.8	3
242	Magnetic, transport and high-pressure properties of a W7Re13B superconducting compound. Superconductor Science and Technology, 2007, 20, 728-735.	3.5	3
243	Publisher's Note: Magnetic correlations in the spin iceHo2â^'xYxTi2O7as revealed by neutron polarization analysis [Phys. Rev. B82, 172403 (2010)]. Physical Review B, 2010, 82, .	3.2	3
244	Publisher's Note: Superconducting and normal-state properties of the noncentrosymmetric superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="bold">Re</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:mi mathvariant="bold">Zr</mml:mi></mml:mrow></mml:math> [Phys. Rev. B 96 , 064521 (2017)]. Physical Review B, 2017, 96, .	3.2	3
245	Crystal Growth by the Floating Zone Method of Ce-Substituted Crystals of the Topological Kondo Insulator SmB6. Crystals, 2020, 10, 827.	2.2	3
246	Investigation of the magnetic ground state of GaV₄S₈ using powder neutron diffraction. Journal of Physics Condensed Matter, 2021, 33, 255802.	1.8	3
247	Structural and magnetic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>GdCo</mml:mi><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review Materials, 2019, 3, .	2.4	3
248	Structure and magnetism of the skyrmion hosting family <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>GaV</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mrow><mml:mn>8</mml:mn><mml:mo>â^'</mml:mo><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> with low levels of substitutions between <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mml. Physical Review Materials, 2020, 4, .	2.4	3
249	Quantum muon diffusion and the preservation of time-reversal symmetry in the superconducting state of type-I rhenium. Physical Review B, 2022, 105, .	3.2	3
250	Nodeless time-reversal symmetry breaking in the centrosymmetric superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sc</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:mn></mml:mn></mml:mrow></mml:math> probed by muon-spin spectroscopy. Physical Review Materials, 2022, 6, .	2.4	3
251	Superconducting properties of doped and off-stoichiometric Bi2Sr2CaCu2O8 single crystals. Physica B: Condensed Matter, 1994, 194-196, 2197-2198.	2.7	2
252	Heat capacity of the crystal field effects in the ErNi2B2C compound. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2555-2556.	1.2	2

#	Article	IF	Citations
253	Field induced insulator-metal transition in Pr1â^'xCaxMnO3. Physica B: Condensed Matter, 1996, 223-224, 532-534.	2.7	2
254	The structural, magnetic and transport properties of Pr0.6(Ca1â^'xSrx)0.4MnO3. Physica B: Condensed Matter, 1997, 230-232, 313-316.	2.7	2
255	High magnetic field behaviour of the triangular lattice antiferromagnet, CuFeO2. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1068-1069.	2.3	2
256	Polarized Raman scattering in single crystals of Nd0.7Sr0.3MnO3. Pramana - Journal of Physics, 2002, 58, 1013-1017.	1.8	2
257	The temperature evolution of the magnetic correlations in pure and diluted spin ice Ho2â^'xYxTi2O7. Physica B: Condensed Matter, 2011, 406, 2393-2396.	2.7	2
258	Is CeCoSi3a superconductor?. Journal of Physics: Conference Series, 2012, 391, 012068.	0.4	2
259	Iron and Manganese Complexes of 2-Carbonyl Pyrrolyls: Scorpionate Sandwich Anions and Extended Structures. Organometallics, 2015, 34, 2543-2549.	2.3	2
260	Effect of different atmospheres on the synthesis of Ba2CuGe2O7 single crystals. European Physical Journal: Special Topics, 2019, 228, 703-712.	2.6	2
261	Tunability of the spin reorientation transitions with pressure in NdCo5. Applied Physics Letters, 2020, 116, 102408.	3.3	2
262	Metallic iron in cornflakes. Food and Function, 2020, 11, 2938-2942.	4.6	2
263	An Interactive Pain Application (MServ) Improves Postoperative Pain Management. Pain Research and Management, 2021, 2021, 1-12.	1.8	2
264	Structure and cation environments in the ferroelectric (AgxNa1â^'x)2Nb4O11solid solution. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s439-s439.	0.3	2
265	Fe^{III} in a high-spin state in bis(5-bromosalicylaldehyde) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 272 Td (4-ethylthiose monohydrate, the first example of such a cationic Fe^{III} complex unit. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 63-69.	0.5	2
266	Synthesis and Characterization of Magnetoelectric Ba₇Mn₄O₁₅. Inorganic Chemistry, 0, , .	4.0	2
267	Spin-polarized electron momentum density distributions. Physica B: Condensed Matter, 2002, 318, 267-271.	2.7	1
268	Inelastic neutron scattering study of the spin-gap behavior in CuTeOBr. Physica B: Condensed Matter, 2005, 359-361, 1219-1221.	2.7	1
269	Superconducting properties of W7Re13B compound. Journal of Alloys and Compounds, 2007, 442, 225-227.	5.5	1
270	Ferro I phase and gadolinium. Physical Review B, 2009, 79, .	3.2	1

#	Article	IF	Citations
271	Structure and magnetism in Cr-embedded Co nanoparticles. Journal of Physics Condensed Matter, 2016, 28, 046003.	1.8	1
272	Magnetism and structure in nanocomposite Fe nanoparticle/Al matrix films. Journal of Alloys and Compounds, 2019, 807, 151653.	5.5	1
273	Orbital effects and Affleck-Haldane-type spin dimerization in Ba4Ru3O10. Physical Review B, 2021, 103, .	3.2	1
274	Local Structure of Iridate Pyrochlores from Hydrothermal Synthesis. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C869-C869.	0.1	1
275	Crossover from Kondo semiconductor to metallic antiferromagnet with 5d -electron doping in CeFe2Al10. Physical Review B, 2021, 104, .	3.2	1
276	Magnetism in the NÃ©el-skyrmion host <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>GaV</mml:mi><mml:mn>4</mml:mn></mm mathvariant="normal">S</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math> under pressure. Physical Review B, 2022, 105, .	3.2	1
277	A structural transition induced by a magnetic field in La1â^'xSrxMnO3. Physica B: Condensed Matter, 1997, 241-243, 451-453.	2.7	0
278	Pressure Effects on the Magnetic and Structural Properties of Layered Manganites. Materials Science Forum, 2001, 373-376, 581-584.	0.3	0
279	Publisherâ€™s Note: Slow Magnetic Order-Order Transition in the Spin Chain AntiferromagnetCa3Co2O6 [Phys. Rev. Lett.106, 197204 (2011)]. Physical Review Letters, 2011, 107, .	7.8	0
280	Pinning mechanism in iron chalcogenide superconductor FeSe0.5Te0.5. , 2012, , .		0
281	Correction: Heparin-stabilised iron oxide for MR applications: a relaxometric study. Journal of Materials Chemistry B, 2016, 4, 5628-5628.	5.8	0
282	Magnetic frustration in rare earth zirconate pyrochlores. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C827-C827.	0.1	0
283	Ga2.52V2Â·48O7Â·33(OH)0.67, a synthetic member of the nolanite/akdalaite-type family of oxyhydroxides containing trivalent vanadium. Journal of Solid State Chemistry, 2020, 288, 121396.	2.9	0
284	Pressure Effect on the Magnetic Phase Diagram of La1.4Sr1.6Mn2O7. , 2001, , 451-461.		0
285	Controlling Crystal Structure in Embedded Magnetic Nanoparticles. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C961-C961.	0.1	0
286	Structural and magnetic investigations of new skyrmion phases. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C826-C826.	0.1	0
287	Investigations of the size distribution and magnetic properties of nanoparticles of Cu2OSeO3. Materials Research Express, 2021, 8, 116101.	1.6	0
288	Anisotropic superconductivity and unusually robust electronic critical field in single crystal La7Ir3. Physical Review Materials, 2021, 5, .	2.4	0