Masaaki Matsuda

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8239037/publications.pdf

Version: 2024-02-01

322	7,867	46984	74108
papers	citations	47 h-index	75 g-index

331	331	331	6266
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monoclinic structure of unpoled morphotropic high piezoelectric PMN-PT and PZN-PT compounds. Physical Review B, 2002, 65, .	1.1	280
2	Three-dimensional magnetic structures and rare-earth magnetic ordering inNd2CuO4andPr2CuO4. Physical Review B, 1990, 42, 10098-10107.	1.1	217
3	Progress in Neutron Scattering Studies of Spin Excitations in High-T_cCuprates. Journal of the Physical Society of Japan, 2012, 81, 011007.	0.7	186
4	Neutron scattering study of the magnetic excitations in metallic and superconductingLa2â^'xSrxCuO4â^'y. Physical Review B, 1989, 40, 4585-4595.	1.1	184
5	Neutron scattering study of the two-dimensional spinS=1/2 square-lattice Heisenberg antiferromagnet Sr2CuO2Cl2. European Physical Journal B, 1995, 96, 465-477.	0.6	161
6	Static and dynamic spin correlations in the spin-glass phase of slightly dopedLa2â^'xSrxCuO4. Physical Review B, 2000, 62, 9148-9154.	1.1	155
7	Electronic phase separation in lightly dopedLa2â^'xSrxCuO4. Physical Review B, 2002, 65, .	1.1	147
8	Competition between Charge- and Spin-Density-Wave Order and Superconductivity inLa1.875Ba0.125â^'xSrxCuO4. Physical Review Letters, 2002, 88, 167008.	2.9	146
9	Low-energy incommensurate spin excitations in superconductingLa1.85Sr0.15CuO4. Physical Review B, 1992, 46, 9128-9131.	1.1	144
10	Statics and Dynamics of Incommensurate Spin Order in a Geometrically Frustrated AntiferromagnetCdCr2O4. Physical Review Letters, 2005, 95, 247204.	2.9	142
11	Frustrated Magnetism and Cooperative Phase Transitions in Spinels. Journal of the Physical Society of Japan, 2010, 79, 011004.	0.7	141
12	Synthesis, Crystal Structure, and Magnetic Properties of Bi₃Mn₄O₁₂(NO₃) Oxynitrate Comprising S = 3/2 Honeycomb Lattice. Journal of the American Chemical Society, 2009, 131, 8313-8317.	6.6	133
13	Successive antiferromagnetic phase transitions in single-crystalLa2CoO4. Physical Review B, 1989, 39, 2336-2343.	1.1	130
14	Spin correlations in the 2D Heisenberg antiferromagnetSr2CuO2Cl2: Neutron scattering, Monte Carlo simulation, and theory. Physical Review Letters, 1994, 72, 1096-1099.	2.9	125
15	Two-dimensional spin correlations and successive magnetic phase transitions inNd2CuO4. Physical Review B, 1989, 40, 7023-7026.	1.1	118
16	Magnetic excitations and exchange interactions in the spin-12two-leg ladder compoundLa6Ca8Cu24O41. Physical Review B, 2000, 62, 8903-8908.	1.1	109
17	Spinâ€"lattice instability to a fractional magnetization state in the spinel HgCr2O4. Nature Physics, 2007, 3, 397-400.	6.5	106
18	Static and Dynamical Properties of the Spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math>Equilateral Triangular-Lattice Antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>Ba</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:n Physical Review Letters, 2016, 116, 087201.	2.9	99

#	Article	IF	Citations
19	Magnetic excitations from the singlet ground state in theS=1/2 quasi-one-dimensional systemSr14âˆ'xYxCu24O41. Physical Review B, 1996, 54, 12199-12206.	1.1	98
20	Antiferromagnetic spin correlations in (Nd,Pr)2âˆ'xCexCuO4. Physical Review Letters, 1990, 65, 263-266.	2.9	92
21	Magnetic Dispersion and Anisotropy in Multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2012, 109, 067205.	2.9	89
22	Itinerant Antiferromagnetism in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>RuO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2017, 118, 077201.	2.9	89
23	Observation of Ground State and Magnetic Field-Induced Long-Range Order in an <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mn>3</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:math> Honeycomb Lattice Compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Mn</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi>O</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2012, 108, 257201.	2.9	81
24	A-type antiferromagnetic order in <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> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> single crystals. Physical Review Materials, 2020, 4, .	0.9	77
25	Magnetic order, spin correlations, and superconductivity in single-crystalNd1.85Ce0.15CuO4+Î´. Physical Review B, 1992, 45, 12548-12555.	1.1	76
26	Observation of a dimerized state in theS=1/2 quasi-one-dimensional antiferromagnetSr14Cu24O41. Physical Review B, 1996, 53, 12201-12205.	1.1	76
27	Unique Helical Magnetic Order and Field-Induced Phase in Trillium Lattice Antiferromagnet EuPtSi. Journal of the Physical Society of Japan, 2019, 88, 013702.	0.7	75
28	Large spin-orbit torque efficiency enhanced by magnetic structure of collinear antiferromagnet IrMn. Science Advances, 2019, 5, eaau6696.	4.7	70
29	Competing magnetic ground states in nonsuperconducting Ba(<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>−</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2011, 83, .	1.1	69
30	Comprehensive study on ferroelectricity induced by a proper-screw-type magnetic ordering in multiferroicCuFeO2: Nonmagnetic impurity effect on magnetic and ferroelectric order. Physical Review B, 2009, 79, .	1.1	68
31	Spin fluctuations in superconductingLa1.85Sr0.15CuO4. Physical Review B, 1994, 49, 6958-6966.	1.1	65
32	Symmetry of High-Piezoelectric Pb-Based Complex Perovskites at the Morphotropic Phase Boundary: I. Neutron Diffraction Study on Pb(Zn1/3Nb2/3)O3â€"9%PbTiO3. Journal of the Physical Society of Japan, 2002, 71, 960-965.	0.7	65
33	Quasi-two-dimensional hole ordering and dimerized state in theCuO2-chain layers inSr14Cu24O41. Physical Review B, 1999, 59, 1060-1067.	1.1	63
34	Core-Excited States in the Doubly MagicN68iand its NeighborC69u. Physical Review Letters, 2000, 84, 39-42.	2.9	63
35	The nature of spin excitations in the one-third magnetization plateau phase of Ba3CoSb2O9. Nature Communications, 2018, 9, 2666.	5.8	62
36	Magnetic phase diagram and multiferroicity of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Ba</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">MnNb</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>: A spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>5</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml	1.1	60

#	Article	IF	Citations
37	Sr-induced oxygen defects in La2â^'xSrxCuO4-Î´ a neutron powder diffraction study. Physica C: Superconductivity and Its Applications, 1990, 172, 120-126.	0.6	55
38	qdependence of the central peak in the inelastic-neutron-scattering spectrum ofSrTiO3. Physical Review B, 1993, 48, 15595-15602.	1.1	53
39	Magnetic structures and excitations in a multiferroic Y-type hexaferrite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaSrCo</mml:mi><mml:mn>2</mml:mn> Physical Review B, 2016, 94, .	1.1	53
40	Degradation of Superconductivity and Spin Fluctuations by Electron Overdoping in LaFeAsO_{1-x}F_x. Journal of the Physical Society of Japan, 2010, 79, 074715.	0.7	52
41	Magnetic Dispersion of the Diagonal Incommensurate Phase in Lightly Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi> Physical Review Letters, 2008, 101, 197001.	2.9	51
42	Longitudinal Spin Density Wave Order in a Quasi-1D Ising-like Quantum Antiferromagnet. Physical Review Letters, 2008, 101, 207201.	2.9	51
43	Magnetization-polarization cross-control near room temperature in hexaferrite single crystals. Nature Communications, 2019, 10, 1247.	5.8	51
44	Magnetic excitations in the geometric frustrated multiferroic CuCrO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	1.1	50
45	Magnetic properties of a quasi-one-dimensional magnet with competing interactions: SrCuO2. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1671-1672.	1.0	49
46	Neutron Laue Diffraction Study on the Magnetic Phase Diagram of Multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>MnWO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>under Pulsed High Magnetic Fields. Physical Review Letters, 2011, 106, 237202.	2.9	49
47	Magnetic phase transition in the S= zigzag-chain compoundSrCuO2. Physical Review B, 1997, 55, R11953-R11956.	1.1	48
48	Coulomb excitation of 74Ge beam. European Physical Journal A, 2000, 9, 353-356.	1.0	47
49	Spiral spin structure in the Heisenberg pyrochlore magnetCdCr2O4. Physical Review B, 2007, 75, .	1.1	45
50	Spiral spin structures and origin of the magnetoelectric coupling in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>YMn</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:ms Physical Review B, 2008, 78, .	1.1	45
51	Melting of Pb Charge Glass and Simultaneous Pbâ€“Cr Charge Transfer in PbCrO₃ as the Origin of Volume Collapse. Journal of the American Chemical Society, 2015, 137, 12719-12728.	6.6	45
52	Magnetic excitations from the S=1/2 two-leg ladders in La6Ca8Cu24O41. Journal of Applied Physics, 2000, 87, 6271-6273.	1.1	45
53	Structure symmetry determination and magnetic evolution inSr2Ir1â^'xRhxO4. Physical Review B, 2015, 92, .	1.1	42
54	Electron-doping effect on magnetic order and superconductivity in Nd2â^'xCexCuO4 single crystals. Physica C: Superconductivity and Its Applications, 2002, 378-381, 273-277.	0.6	40

#	Article	IF	Citations
55	Competition Between Antiferromagnetism and Ferromagnetism in Sr2RuO4 Probed by Mn and Co Doping. Scientific Reports, 2013, 3, 2950.	1.6	39
56	Crystal distortions in geometrically frustrated ACr2O4 (A = Zn,Cd). Journal of Physics Condensed Matter, 2007, 19, 145259.	0.7	38
57	Low-Energy Spin Fluctuations in the Ground States of Electron-Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Pr</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>LaCeSrCuO Superconductors. Physical Review Letters, 2008, 101, 107003.	2.9	38
58	Structural effect on the static spin and charge correlations inLa1.875Ba0.125â^'xSrxCuO4. Physical Review B, 2002, 66, .	1.1	37
59	Neutron Diffraction Study on the Multiple Magnetization Plateaus in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TbB</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>under Pulsed High Magnetic Field. Physical Review Letters, 2009, 103, 077203.	2.9	37
60	High antiferromagnetic transition temperature of the honeycomb compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>SrRu</mml:mi><mml:mn>2</mml:mn></mml:mrow><mml:mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	1.1	37
61	Ordering of oxygen moments in ferromagnetic edge-sharingCuO4chains inLa14â^'xCaxCu24O41. Physical Review B, 1998, 57, 11467-11471.	1.1	36
62	Pressure dependence of the magnetic ground states in MnP. Physical Review B, 2016, 93, .	1.1	36
63	Multiple Coulomb excitation of a 70Ge beam and the interpretation of the 02 + state as a deformed intruder. European Physical Journal A, 2003, 16, 409-414.	1.0	35
64	Crystal growth and characterization of Pr2â^'xCexCuO4. Physica C: Superconductivity and Its Applications, 1991, 179, 347-352.	0.6	34
65	Freezing of anisotropic spin clusters inLa1.98Sr0.02CuO4. Physical Review B, 2000, 61, 4326-4333.	1.1	34
66	Evolution of competing magnetic order in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>J</mml:mi><mml:mi>eff</mml:mi></mml:ms state 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:n Physical Review B, 2015, 92, .	1.1	33
67	Magnetic excitations and structural change in theS=12quasi-one-dimensional magnetSr14â^'xYxCu24O41(0<~x<~1). Physical Review B, 1997, 56, 14499-14504.	1.1	32
68	Impurity effect on the diagonal incommensurate spin correlations inLa2â^'xSrxCuO4. Physical Review B, 2006, 73, .	1.1	32
69	Universal Magnetic Structure of the Half-Magnetization Phase in Cr-Based Spinels. Physical Review Letters, 2010, 104, 047201.	2.9	32
70	Magnetic excitations from the linear Heisenberg antiferromagnetic spin trimer systemA3Cu3(PO4)4(A=Ca, Sr, and Pb). Physical Review B, 2005, 71, .	1.1	31
71	Heavy-impurity resonance, hybridization, and phonon spectral functions in<mml:math		

#	Article	IF	Citations
73	Low-temperature charge ordering inSr14Cu24O41. Physical Review B, 1998, 57, 10750-10754. <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Z</mml:mi></mml:mrow></mml:math>dependence of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>152</mml:mn></mml:mrow></mml:math>deform shell gap: In-beam Î³-ray spectroscopy of neutron-rich<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mat	1.1	30
74	Magnetic structure of CuCrO₂: a single crystal neutron diffraction study. Journal of Physics Condensed Matter, 2012, 24, 016004.	0.7	30
75	Direct observation of the energy gap generating the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mo>â•</mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:math>magne plateau in the spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mo>â•</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math>trimer chain compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">	1.1	29
76	Dimensional Crossover of Low-Energy Magnetic Excitation for Delafossite Oxide Cu_{1-x}Ag_xCrO₂ with a Spin-3/2 Antiferromagnetic Triangular Sublattice. Journal of the Physical Society of Japan, 2009, 78, 013604.	0.7	28
77	Orbital order and partial electronic delocalization in a triangular magnetic metal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ag</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2010, 81, .	1.1	28
78	Identifying the spectroscopic modes of multiferroic BiFeO<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>. Physical Review B, 2012, 86, .	1.1	28
79	Coexistence of ferromagnetism and superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CeO</mml:mi><mml:mrow><mml:mn>0.3</ mathvariant="normal">F</mml:mi><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi>BiS</mml:m Physical Review B, 2014, 90, .	1.1	27
80	Spin glass behavior in frustrated quantum spin system CuAl₂O₄with a possible orbital liquid state. Journal of Physics Condensed Matter, 2017, 29, 13LT01.	0.7	27
81	Soft antiphase tilt of oxygen octahedra in the hybrid improper multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mn>3</mml:mn></mml: mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	1.1	27
82	Topological Singularity Induced Chiral Kohn Anomaly in a Weyl Semimetal. Physical Review Letters, 2020, 124, 236401.	2.9	27
83	Yrast bands in N = 91 isotones. European Physical Journal A, 2000, 9, 153-156.	1.0	26
84	Ca2Y2Cu5O10: The First Frustrated Quasi-1D Ferromagnet Close to Criticality. Physical Review Letters, 2012, 109, 117207.	2.9	26
85	Magnetic Ordering of the Edge-Sharing CuO2Chains in Ca2Y2Cu5O10. Journal of the Physical Society of Japan, 1999, 68, 269-272.	0.7	24
86	Magnetic Field Effect on the Static Antiferromagnetism of the Electron-Doped SuperconductorPr1âˆ’xLaCexCuO4(x=0.11and 0.15). Physical Review Letters, 2004, 93, 147003.	2.9	24
87	In-beam Î³-ray spectroscopy ofU240using the (O18,O16) reaction. Physical Review C, 2005, 72, .	1.1	24
88	Effect of Spin Dilution on the Magnetic State of Delafossite CuCrO₂with anS= 3/2 Antiferromagnetic Triangular Sublattice. Journal of the Physical Society of Japan, 2011, 80, 014711.	0.7	24
89	Orbital Glass State of the Nearly Metallic Spinel Cobalt Vanadate. Physical Review Letters, 2016, 116, 037201.	2.9	24
90			

#	Article	IF	Citations
91	Magnetic Frustration Driven by Itinerancy in Spinel CoV2O4. Scientific Reports, 2017, 7, 17129.	1.6	24
92	Low-Energy Spin Fluctuations inLa2-xSrxCu1-yZnyO4(x=0.14,y=0.012). Journal of the Physical Society of Japan, 1993, 62, 443-446.	0.7	23
93	Magnetic excitations from the edge-sharingCuO2chains inCa2Y2Cu5O10. Physical Review B, 2001, 63, .	1.1	23
94	Evidence for a KÏ€ = 1/2+ isomer in neutron-rich 185Ta. European Physical Journal A, 2007, 34, 1-4.	1.0	23
95	Evolution of antiferromagnetic susceptibility under uniaxial pressure in Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow	1.1	23
96	Magnetic Reversal of Electric Polarization with Fixed Chirality of Magnetic Structure in a Chiral-Lattice Helimagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>MnSb</mml:mi></mml:mrow><mml:mrow><mml:mn>2	2.9	23
97	Coexistence of Ferromagnetic and Stripe Antiferromagnetic Spin Fluctuations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>SrCo</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn>	2.9	23
98	Strong competition between orbital ordering and itinerancy in a frustrated spinel vanadate. Physical Review B, 2015, 91, .	1.1	22
99	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>q</mml:mi><mml:mo>=</mml:mo><mml:mn>0</mml:mn> long-range magnetic order in centennialite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaCu</mml:mi><mml:mn>3</mml:mn>	1.1	22
100	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>E</mml:mi></mml:mrow><mml:mrow><mml:mn>8</mml:mn></mml Spectra of Quasi-One-Dimensional Antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>BaCo</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ mathvariant="normal">V</mml:mi></mml:mrow. Physical Review Letters, 2021, 127, 077201.	2.9	22
101	Cold-neutron disk-chopper spectrometer at J-PARC. Journal of Neutron Research, 2007, 15, 13-21.	0.4	21
102	Frustrated minority spins in GeNi 2 O 4. Europhysics Letters, 2008, 82, 37006.	0.7	21
103	Hybridization of magnetic excitations between quasi-one-dimensional spin chains and spin dimers in Cu3Mo2O9observed using inelastic neutron scattering. Physical Review B, 2011, 83, .	1.1	21
104	Partially disordered state and spin-lattice coupling in an<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:mn>3</mml:mn><mml:mn>2</mml:mn> lattice antiferromagnet Ag<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	1.1	21
105	Incommensurate dynamic correlations in the quasi-two-dimensional spin liquid BiCu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>PO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 88, .	1.1	21
106	Stability of multiferroic phase and magnetization-polarization coupling in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Y</mml:mi></mml:math> -type hexaferrite crystals. Physical Review B, 2020, 101, .	1.1	21
107	Formation of short-range magnetic order and avoided ferromagnetic quantum criticality in pressurized <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaCrGe</mml:mi><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2021, 103, .	1.1	21
108	Periodic hole structure in a spin-chain ladder materialSr14Cu24O41. Physical Review B, 2002, 66, .	1.1	20

#	Article	IF	Citations
109	Novel Spin Excitations in Optimally Electron-Doped Pr0.89LaCe0.11CuO4. Journal of the Physical Society of Japan, 2006, 75, 093704.	0.7	20
110	Temperature-Dependent Transformation of the Magnetic Excitation Spectrum on Approaching Superconductivity inFe1+yâ”x(Ni/Cu)xTe0.5Se0.5. Physical Review Letters, 2012, 109, 227002.	2.9	20
111	Wide-angle diamond cell for neutron scattering. High Pressure Research, 2017, 37, 495-506.	0.4	20
112	Next-generation diamond cell and applications to single-crystal neutron diffraction. Review of Scientific Instruments, 2018, 89, 092902.	0.6	20
113	Evolution of Magnetic Double Helix and Quantum Criticality near a Dome of Superconductivity in CrAs. Physical Review X, 2018, 8, .	2.8	20
114	Neutron Diffraction Study of Î±-Gd2S3. Journal of the Physical Society of Japan, 2005, 74, 1412-1415.	0.7	19
115	Transition from Sign-Reversed to Sign-Preserved Cooper-Pairing Symmetry in Sulfur-Doped Iron Selenide Superconductors. Physical Review Letters, 2016, 116, 197004.	2.9	19
116	Electronic band tuning under pressure in MoTe2 topological semimetal. Npj Quantum Materials, 2019, 4, .	1.8	19
117	Ni-Impurity Effects on Incommensurate Spin Correlations in the Superconducting Phase of La2-xSrxCuO4 near the Spin-Glass Phase Boundary. Journal of the Physical Society of Japan, 2007, 76, 074703.	0.7	19
118	Experimental and theoretical studies of finite-size effects in anS=12antiferromagnetic Heisenberg chain. Physical Review B, 1998, 57, 8285-8289.	1.1	18
119	Anomalous Magnetic Ordering Phenomena in Tetragonal TbB2C2Observed by Neutron Diffraction. Journal of the Physical Society of Japan, 2002, 71, 3024-3029.	0.7	17
120	Indirect magnetic interaction mediated by a spin dimer inCu2Fe2Ge4O13. Physical Review B, 2007, 75, .	1.1	17
121	Ground-state bands of neutron-richTh236andU242nuclei and implication of spherical shell closure atN=164. Physical Review C, 2007, 76, .	1.1	17
122	Effect of Electron Correlations on Magnetic Excitations in the Isovalently Doped Iron-Based Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ba</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo) Tj ET Q q 0 0 1 rg BT /Ov	2.9	17
123	Magnetic ordering induced by interladder coupling in the spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></m two-leg ladder antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow><mml:mn>9</mml:mn></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="n	1.1	17
124	Dynamic Spin Properties of La1.98Sr0.02CuO4. Journal of the Physical Society of Japan, 1993, 62, 1702-1709.	0.7	17
125	Configuration-dependent band structures in odd-odd 180Ir. Physical Review C, 2001, 65, .	1.1	16
126	Absence of a magnetic-field effect on static magnetic order in the electron-doped superconductorNd1.86Ce0.14CuO4. Physical Review B, 2002, 66, .	1.1	16

#	Article	IF	Citations
127	Frustrating interactions and broadened magnetic excitations in the edge-sharingCuO2chains inLa5Ca9Cu24O41. Physical Review B, 2003, 68, .	1.1	16
128	Observation of high-jquasiparticle states inCm249by in-beamÎ³-ray spectroscopy using heavy-ion transfer reactions. Physical Review C, 2008, 78, .	1.1	16
129	In-beamÎ³-ray spectroscopy ofCf248,250,252by neutron-transfer reactions using a Cf target. Physical Review C, 2010, 81, .	1.1	16
130	Influence of Electron Doping on Magnetic Order in CeRu₂Al₁₀. Journal of the Physical Society of Japan, 2014, 83, 104707.	0.7	16
131	Multiple Coulomb excitation experiment of 66 Zn. European Physical Journal A, 2003, 18, 87-92.	1.0	15
132	Phase diagram of the electron-doped superconductor Pr1âˆ’xLaCexCuO4âˆ’Î´. Physica C: Superconductivity and Its Applications, 2003, 392-396, 216-220.	0.6	15
133	Magnetic phase transition in the two-dimensional compound BaMn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Si<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><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" display="inline"><mml:msub><mml:mrow />	1.1	15
134	Magnetic and structural phase transitions in the spinel compoundFe1+xCr2âˆ’xO4. Physical Review B, 2014, 89, .	1.1	15
135	Spin-lattice coupling mediated multiferroicity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi mathvariant="normal">D</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math>. Physical Review B, 2016, 94, .	1.1	15
136	Simultaneous ordering of orthogonal spin components in a random magnet with competing anisotropies. Physical Review B, 1992, 46, 14906-14908.	1.1	14
137	Signature inversion phenomena in odd-odd 182Au. European Physical Journal A, 2002, 14, 271-274.	1.0	14
138	Ni Impurity Effect on Antiferromagnetic Order in Hole-doped La2-xSrxCuO4. Journal of the Physical Society of Japan, 2005, 74, 2197-2200.	0.7	14
139	Enhanced low-energy magnetic excitations via suppression of the itinerancy in Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.98</mml:mn><mml:mo>â€²</mml:mo><mml:mi>z</mml:mi></mml:mrow></mml:msub></mml:math>Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>z</mml:mi></mml:msub></mml:math>Te<mml:math	1.1	14
140	Electromagnon excitation in the field-induced noncollinear ferrimagnetic phase of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>22</mml:mn></mml:mrow></mml:math>studied by polarized inelastic neutron scattering and terahertz time-domain optical spec. Physical Review B, 2016, 93, .	1.1	14
141	Spin dynamics in the quasi-one-dimensional Ising-like antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaCo</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 96, .	1.1	14
142	High resolution neutron Larmor diffraction using superconducting magnetic Wollaston prisms. Scientific Reports, 2017, 7, 865.	1.6	14
143	Appearance of a Td* phase across the Tdâˆ’1Tâ€² phase boundary in the Weyl semimetal MoTe2. Physical Review B, 2019, 100, .	1.1	14
144	The magnetic structure and phase transitions of holmium-yttrium alloys. Journal of Physics Condensed Matter, 1994, 6, 2985-2998.	0.7	13

#	Article	IF	Citations
145	Neutron-scattering studies of the field-induced ordered state of TbB 2 C 2. Applied Physics A: Materials Science and Processing, 2002, 74, s1749-s1751.	1.1	13
146	Effects of hole doping on magnetic ground and excited states in the edge-sharingCuO2chains ofCa2+xY2â^'xCu5O10. Physical Review B, 2005, 71, .	1.1	13
147	Molecular spin-liquid state in the spin-32frustrated spinel HgCr2O4. Physical Review B, 2011, 84, .	1.1	13
148	Neutron inelastic scattering measurements of low-energy phonons in the multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></m Physical Review B, 2015, 91, .	1.1	13
149	Equilibrium and non-equilibrium charge-state distributions of 2.0MeV/u carbon ions passing through carbon foils. Nuclear Instruments & Methods in Physics Research B, 2015, 354, 172-176.	0.6	13
150	Dual Nature of Magnetism in a Uranium Heavy-Fermion System. Physical Review Letters, 2018, 121, 057201.	2.9	13
151	Charge density wave with anomalous temperature dependence in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>UPt</mml:mi><mml:mn>2</mml:mn></m Physical Review B, 2020, 102, .	1.1	13
152	Flux pinning and flux creep in La2â^'xSrxCuO4 with splayed columnar defects. Physica C: Superconductivity and Its Applications, 1998, 296, 57-64.	0.6	12
153	Electron spin resonance of Ni-dopedCuGeO3in the paramagnetic, spin-Peierls, and antiferromagnetic states: Comparison with nonmagnetic impurities. Physical Review B, 2002, 65, .	1.1	12
154	Rotational alignment of the h11/2 band in 157Dy. European Physical Journal A, 2002, 15, 299-302.	1.0	12
155	Inelastic excitation of 187Re. European Physical Journal A, 2003, 17, 159-165.	1.0	12
156	Neutron-scattering study of spin correlations in electron-doped Pr0.89LaCe0.11CuO4 single crystals. Physica C: Superconductivity and Its Applications, 2003, 392-396, 130-134.	0.6	12
157	Successive Magnetic Phase Transitions in Î±-Tb2S3 Studied by Neutron Diffraction Technique. Journal of the Physical Society of Japan, 2006, 75, 074710.	0.7	12
158	Magnetic-Field-Induced Transitions in Spinel GeCo2O4. Journal of the Physical Society of Japan, 2011, 80, 034708.	0.7	12
159	Neutron Powder Diffraction Study on the Magnetic Structure of NdPd₅Al₂. Journal of the Physical Society of Japan, 2017, 86, 034710.	0.7	12
160	Successive field-induced transitions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></m around room temperature. Physical Review Materials, 2017, 1, .	1.1	12
161	Magnetic resonance, susceptibility and elastic constants of the quasi-one-dimensional system Sr14Cu24O41. Physica B: Condensed Matter, 1997, 237-238, 117-119.	1.3	11
162	Symmetry of High-Piezoelectric Pb Based Complex Perovskites at the Morphotropic Phase Boundary: II. Theoretical Treatment. Journal of the Physical Society of Japan, 2002, 71, 966-970.	0.7	11

#	Article	IF	Citations
163	Excited states in neutron-rich 188W produced by an 18O-induced 2-neutron transfer reaction. European Physical Journal A, 2006, 30, 391-396.	1.0	11
164	SEARCH FOR SIGNATURE INVERSION IN THE Ï€i13/2 âŠ— Î½i13/2 BANDS IN 182,184,186Au. International Journal of Modern Physics E, 2006, 15, 1437-1445.	0.4	11
165	In-beam Î³-ray study of the neutron-rich nuclei 240U, 246Pu, and 250Cm produced by the (18O, 16O) reaction. Physics of Atomic Nuclei, 2007, 70, 1457-1461.	0.1	11
166	Electron doping evolution of the neutron spin resonance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaFe</mml:mi><mml:mrow><mml:mn>1</mml:mn></m Physical Review B, 2016, 93, .	1.1	11
167	Neutron scattering study in BaNiO2. Journal of Physics and Chemistry of Solids, 1999, 60, 1121-1123.	1.9	10
168	Magnetic field effects and magnetic anisotropy in lightly dopedLa2âˆ'xSrxCuO4. Physical Review B, 2002, 66, .	1.1	10
169	Percolation fractal dimension in scattering line shapes of the random-field Ising model. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1298-1299.	1.0	10
170	Magnetic field-induced quasiparticle excitation inNb3Sn: Evidence for anisotropics-wave pairing. Physical Review B, 2006, 74, .	1.1	10
171	Magnetic excitations in the spin-52antiferromagnetic trimer substance SrMn3P4O14. Physical Review B, 2011, 84, .	1.1	10
172	Dynamic spin correlations in the frustrated cubic phase of MnV<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><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" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 88, .	1.1	10
173	Zr-based bulk metallic glass as a cylinder material for high pressure apparatuses. High Pressure Research, 2015, 35, 254-262.	0.4	10
174	Coupled antiferromagnetic spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml in green dioptase<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>Cu</mml:mtext><mml:mn>6</mml:mn> Physical Review B, 2016, 93, .	1.1	10
175	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Cu</mml: mathvariant="normal">Y</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Cu</mml:.	1.1	10
176	Magnetic structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>16</mml:mn></mml mathvariant="normal">N</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> determined by polarized neutron diffraction on thin-film samples. Physical Review B, 2020, 102, .	1.1	10
177	High spin states of 62,64Zn. Zeitschrift FÃ¼r Physik A, 1997, 358, 279-280.	0.9	9
178	SEARCH FOR SHAPE COEXISTENCE IN EVEN â€“ EVEN STABLE MOLYBDENUM ISOTOPES USING COULOMB EXCITATION METHOD. International Journal of Modern Physics E, 2006, 15, 374-378.	0.4	9
179	One-quasiparticle bands in neutron-richW187. Physical Review C, 2008, 77, .	1.1	9
180	Magnetic-Competition-Induced Colossal Magnetoresistance in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math> -Type <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>HgCr</mml:mi></mml:mrow><mml:mrow><mml:mn>2 under High. Physical Review Letters, 2019, 123, 047201.	2.9	9

#	Article	IF	Citations
181	Spin correlations in high-temperature superconductors. Physica B: Condensed Matter, 1991, 174, 330-339.	1.3	8
182	Magnetic properties of the quasi-one-dimensional compound Ca 2+ xY2 â^' xCu5O10. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 683-684.	1.0	8
183	Magnetic field-effect on static spin correlation in stripe ordered phase of La2â^'xBaxCuO4. Journal of Physics: Conference Series, 2006, 51, 510-513.	0.3	8
184	Triplon-spinon hybridization in Cu₃Mo₂O₉observed using inelastic neutron scattering. Journal of Physics: Conference Series, 2010, 200, 022028.	0.3	8
185	SHAPE EVOLUTION IN HEAVIEST STABLE EVEN-EVEN MOLYBDENUM ISOTOPES STUDIED VIA COULOMB EXCITATION. International Journal of Modern Physics E, 2011, 20, 443-450.	0.4	8
186	Energy-dependent crossover from anisotropic to isotropic magnetic dispersion in lightly doped La1.96Sr0.04CuO4. Physical Review B, 2013, 87, .	1.1	8
187	Forbidden phonon: Dynamical signature of bond symmetry breaking in the iron chalcogenides. Physical Review B, 2016, 94, .	1.1	8
188	Inelastic neutron scattering study on the electronic transition in (Pr1â^'yYy)1â^'xCaxCoO3 single crystals. Physical Review B, 2018, 98, .	1.1	8
189	Comment on â€˜Oxygen vacancy-induced magnetic moment in edge-sharing CuO₂ chains of Li₂CuO₂â€™. New Journal of Physics, 2018, 20, 058001.	1.2	8
190	Coexistence of superconductivity and short-range double-stripe spin correlations in Te-vapor annealed FeTe1â^'xSex (xâ‰0.2). Physical Review B, 2018, 97, .	1.1	8
191	Anomalous magnetic behavior of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:msub> with isolated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CoO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml: tetrahedra. Physical Review B, 2019, 99, .	1.1	8
192	Rotational bands in Odd-Odd 180Ir. European Physical Journal A, 1999, 5, 345-349.	1.0	7
193	Neutron scattering study on the antiferroquadrupolar order of DyB2C2under magnetic fields. Journal of Physics Condensed Matter, 2003, 15, S2137-S2140.	0.7	7
194	Level structure of 146Tb. European Physical Journal A, 2004, 19, 7-9.	1.0	7
195	A 3-quasiparticle isomer in neutron-rich 183Ta. European Physical Journal A, 2009, 39, 263-266.	1.0	7
196	Evolution of the magnetic and structural properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>1</mml:mn> mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	1.1	7
197	Time and Magnetic Field Variations of Magnetic Structure in the Triangular Lattice Magnet Ca₃Co₂O₆. Journal of the Physical Society of Japan, 2018, 87, 114703.	0.7	7
198	f-Electron States in PrPd5Al2. Journal of the Physical Society of Japan, 2018, 87, 094704.	0.7	7

#	Article	IF	Citations
199	Polarized neutron scattering study of the multiple order parameter system <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NdB</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2018, 97, .	1.1	7
200	New capabilities in high-resolution neutron Larmor diffraction at ORNL. Journal of Applied Crystallography, 2018, 51, 584-590.	1.9	7
201	Frustrated magnetic interactions in an S=3/2 bilayer honeycomb lattice compound Bi3Mn4O12 (NO3). Physical Review B, 2019, 100, .	1.1	7
202	Nature of the ferromagnetic-antiferromagnetic transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 104, .	1.1	7
203	Spin correlations in Sr2CuO2Cl2. Physica B: Condensed Matter, 1994, 199-200, 642-643.	1.3	6
204	High-spin states in 61Cu. Zeitschrift FÃ¼r Physik A, 1997, 359, 3-4.	0.9	6
205	Observation of signature inversion in odd-odd 178Ir. European Physical Journal A, 2000, 8, 439-442.	1.0	6
206	Tokai Radioactive Ion Accelerator Complex (TRIAC). European Physical Journal: Special Topics, 2007, 150, 259-262.	1.2	6
207	Temperature-driven phase transformation in Y3Co: Neutron scattering and first-principles studies. Physical Review B, 2013, 88, .	1.1	6
208	Substitution of Ni for Fe in superconductingFe0.98Te0.5Se0.5depresses the normal-state conductivity but not the magnetic spectral weight. Physical Review B, 2015, 91, .	1.1	6
209	Coexistence of Ferromagnetic and Stripe-Type Antiferromagnetic Spin Fluctuations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>YFe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2019, 122, 217003.	2.9	6
210	Helimagnetic Structure and Heavy-Fermion-Like Behavior in the Vicinity of the Quantum Critical Point in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" mathvariant="normal">P</mml:math>. Physical Review Letters, 2020, 124, 087202.	2.9	6
211	Complex magnetic phases in the polar tetragonal intermetallic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NdCoGe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 103, .	1.1	6
212	High-resolution phonon energy shift measurements with the inelastic neutron spin echo technique. Journal of Applied Crystallography, 2019, 52, 755-760.	1.9	6
213	In-beam study of 145Tb. European Physical Journal A, 2001, 12, 253-255.	1.0	5
214	Synchrotron X-ray diffraction studies on magnetic materials in high magnetic fields. Physica B: Condensed Matter, 2004, 346-347, 11-14.	1.3	5
215	Synchrotron X-ray Study of Lattice Vibrations in CdCr2O4. Journal of the Physical Society of Japan, 2011, 80, 073603.	0.7	5
216	Detailed structure of the low-energy magnetic dispersion of the diagonal incommensurate phase in La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.975</mml:mn></mml:mrow></mml:msub></mml:math>Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.025</mml:mn></mml:mrow></mml:msub></mml:math>CuO<mml:math xmlns:	1.1	5

#	Article	IF	Citations
217	In situ RBS measurements for the effect of swift heavy ion irradiation on metalâ€“insulator interfaces. Nuclear Instruments & Methods in Physics Research B, 2013, 314, 176-179.	0.6	5
218	Magnetic excitations in an<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:m tetramer compound<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: Physical Review B, 2015, 92, .	1.1	5
219	Structural and magnetic phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CeCu</mml:mi><mml:mrow><mml:mn>6</mml:mn>		

#	Article	IF	Citations
235	Temperature Dependence of Thermal Motion and Position of Hydrogen in Paraelectric KH2AsO4Studied by Neutron Diffraction Structure Analysis. Journal of the Physical Society of Japan, 1988, 57, 3824-3827.	0.7	3
236	Neutron scattering study in the spin-1/2 ladder system: Sr14Cu24O41. Journal of Low Temperature Physics, 1996, 105, 467-472.	0.6	3
237	Î¼SR measurements of BaNiO2. , 1997, 104, 97-103.		3
238	Magnetization measurements of the quasi-one-dimensional magnet Sr14Cu24O41. Physica B: Condensed Matter, 1998, 246-247, 516-519.	1.3	3
239	Field-induced magnetic order in disordered single crystal Sr14Cu24O41: Cu-NMR study. Physica B: Condensed Matter, 2002, 312-313, 603-605.	1.3	3
240	Gamma-ray spectroscopy of the neutron-rich Ni region through heavy-ion deep-inelastic collisions. European Physical Journal A, 2002, 13, 15-19.	1.0	3
241	Effect of magnetic impurities on superconductivity and spin correlation of La2â^'xSrxCuO4. Physica C: Superconductivity and Its Applications, 2003, 392-396, 194-198.	0.6	3
242	Synchrotron X-ray Diffraction Studies of the Incommensurate Phase of a Spinâ€“Peierls System CuGeO3in Strong Magnetic Fields. Journal of the Physical Society of Japan, 2004, 73, 2650-2653.	0.7	3
243	High Energy Magnetic Excitations from the Edge-sharing CuO2Chains in Ca2Y2Cu5O10. Journal of the Physical Society of Japan, 2005, 74, 1578-1581.	0.7	3
244	Neutron diffraction study of magnetic structure in DyCu under magnetic field. Journal of Applied Physics, 2008, 103, .	1.1	3
245	Crystal Field Level Diagrams at the Pr Sites (8c) and (4a) in the Clathrate Compound Pr3Pd20Si6. Journal of the Physical Society of Japan, 2011, 80, 044715.	0.7	3
246	Intertwining of Frustration with Magneto-Elastic Coupling in the Multiferroic LuMnO₃. Journal of the Physical Society of Japan, 2014, 83, 024601.	0.7	3
247	Origin of the net magnetic moment in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaCoO</mml:mi><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2018, 97, .	1.1	3
248	Structural features associated with multiferroic behavior in the RX₃(BO₃)₄ system. Journal of Physics Condensed Matter, 2019, 31, 505704.	0.7	3
249	Magnetic field induced antiferromagnetic cone structure in multiferroic BiFeO3. Physical Review Materials, 2020, 4, .	0.9	3
250	Noncollinear spin structure with weak ferromagnetism in NbMnP. Physical Review B, 2021, 104, .	1.1	3
251	Evidence for pressure induced unconventional quantum criticality in the coupled spin ladder antiferromagnet C9H18N2CuBr4. Nature Communications, 2022, 13, .	5.8	3
252	Quantum Effect on the Ground State of the Triple-Perovskite Ba₃MNb₂O₉ (M = Co, Ni, and Mn) with Triangular-Lattice. Chemistry of Materials, 0, , .	3.2	3

#	Article	IF	Citations
253	Magnetic structures and their phase transitions in lanthanide cuprates and related compounds. Journal of Magnetism and Magnetic Materials, 1990, 90-91, 683-684.	1.0	2
254	Suppression of vortex motion in La1.85Sr0.15CuO4 with the splayed configuration of columnar defects. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2105-2106.	0.6	2
255	Magnetic Structures of an Er/Tb Superlattice Studied by Neutron Diffraction. Physica Status Solidi (B): Basic Research, 2001, 228, 741-750.	0.7	2
256	Stripe order in La 1.875 Ba 0.125-x Sr x CuO 4. Applied Physics A: Materials Science and Processing, 2002, 74, s1638-s1640.	1.1	2
257	Proposal for a chopper spectrometer with very high energy resolution. Applied Physics A: Materials Science and Processing, 2002, 74, s1598-s1600.	1.1	2
258	A comparative study on the magnetic order in hole- and electron-doped high-Tc cuprates. Physica B: Condensed Matter, 2003, 329-333, 681-682.	1.3	2
259	Observation of field-induced long-range order in disordered Sr14Cu24O41. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E683-E684.	1.0	2
260	Ni-impurity effect in high- cuprates studied by neutron scattering and XAFS spectroscopy. Journal of Physics and Chemistry of Solids, 2008, 69, 3136-3138.	1.9	2
261	Impurity effect on spin correlations in lightly doped. Journal of Physics and Chemistry of Solids, 2008, 69, 3181-3183.	1.9	2
262	Exchange-striction associated with the elliptical proper helical magnetic structure in the ferroelectric phase of CuFe_{1â^'y}Ga_yO₂. Journal of Physics: Conference Series, 2010, 211, 012005.	0.3	2
263	Competition between the inter- and intra-sublattice interactions inYb2V2O7. Physical Review B, 2015, 91, .	1.1	2
264	Sputtering of amorphous silicon nitride irradiated with energetic C60 ions: Preferential sputtering and synergy effect between electronic and collisional sputtering. Nuclear Instruments & Methods in Physics Research B, 2015, 365, 490-495.	0.6	2
265	Detection of In segregation in InGaN by using Eu as a probe. Journal of Crystal Growth, 2017, 468, 831-834.	0.7	2
266	Long-Time Variation in Magnetic Structure of Ce(Ir_xRh_{1â^'}_x)₃Si₂: A New Interpretation of Time Variation. Journal of the Physical Society of Japan, 2017, 86, 034701.	0.7	2
267	Suppression of the antiferromagnetic order when approaching the superconducting state in a phase-separated crystal of KxFe2â^'ySe2. Physical Review B, 2017, 96, .	1.1	2
268	Stabilized Charge, Spin, and Orbital Ordering by the 6s2 Lone Pair in Bi0.5Pb0.5MnO3. Inorganic Chemistry, 2020, 59, 13390-13397.	1.9	2
269	Anisotropic effect of a magnetic field on the neutron spin resonance in FeSe. Physical Review B, 2020, 101, .	1.1	2
270	Experimental study of the Î“p1/Î“p0 ratios of resonance states in Be8 for deducing the Be7(n,p1)Li*7 reaction rate relevant to the cosmological lithium problem. Physical Review C, 2021, 103, .	1.1	2

#	Article	IF	Citations
271	Partially disordered state with short-range spin correlation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mn>5</mml:mn> classical triangular antiferromagnet <mml:math	1.3	2
272	Growth and characterization of large <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ag</mml:mi><mml:mn>2</mml:mn></mml:mn></mml:mrow> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:mi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		

#	Article	IF	Citations
289	Neutron scattering study of spin density wave and weak ferromagnetic orders in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="normal">T</mml:mi><mml:mi mathvariant="normal">b</mml:mi></mml:mrow><mml:mrow><mml:mn>0.47</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">Y</mml:mi></mml:mrow><mml:mrow><mml:mn>0.53</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:msub></mml:math>. Physica B: Condensed Matter, 2018, 551, 108-110.	1.3	1
290	A new mathematical approach to finding global solutions of the magnetic structure determination problem. Scientific Reports, 2018, 8, 16228.	1.6	1
291	Magnetic excitations affected by spin-lattice coupling 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:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:mrow></mml:math> triangular lattice antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ag</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	1.1	1
292	Isotropic-parallel antiferromagnetism in the magnetic field induced charge-ordered state of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sm</mml:mi><mml:msub><mml:mi>Ru</mml:mi><mml:mn mathvariant="normal">P</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow></mml:math> caused by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi><mml:mo>â^'</mml:mo><mml:mi>f</mml:mi></mml:math>	1.1	1
293	Cu-NMR Study on Disordered Sr14Cu24O41. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 509-512.	0.7	1
294	Hyperfine Splitting and Nuclear Spin Polarization in NdPd₅Al₂ and Nd₃Pd₂₀Ge₆. Journal of the Physical Society of Japan, 2022, 91, .	0.7	1
295	Magnetic phase transitions and spin correlations in cupreous superconductors and their progenitors. Journal of Magnetism and Magnetic Materials, 1990, 90-91, 602-606.	1.0	0
296	A new type of spin ordering in a random magnet with competing anisotropies. Journal of Applied Physics, 1993, 73, 6084-6086.	1.1	0
297	High-energy phonon dispersion in La1.85Sr0.15CuO4. Physica B: Condensed Matter, 1995, 213-214, 72-74.	1.3	0
298	Spin fluctuations in a random magnet with competing anisotropies: Fe0.75Co0.25Br2. Physica B: Condensed Matter, 1995, 213-214, 155-157.	1.3	0
299	Magnetic properties of theS=1/2 quasi-one-dimensional antiferromagnet: Sr14â^'x Y x Cu24O41. European Physical Journal D, 1996, 46, 1963-1964.	0.4	0
300	Rotational bands in odd-odd [sup 180]Ir. , 1999, , .		0
301	Core-excited states in the doubly magic [sup 68]Ni and its neighbor [sup 69]Cu. , 1999, , .		0
302	Rotational bands of [sup 155]Gd. , 1999, , .		0
303	Structural effect on the stability of magnetic order in La1.875Ba0.125â^'xSrxCuO4. Physica C: Superconductivity and Its Applications, 2002, 378-381, 390-394.	0.6	0
304	Polarized neutron scattering study of the CuO2 chains in Ca2Y2Cu5O10. Physica B: Condensed Matter, 2003, 329-333, 711-712.	1.3	0
305	The 7th neutron school for young scientists held in japan. Neutron News, 2003, 14, 3-3.	0.1	0
306	Static spin correlations in lightly-doped La2CuO4+Î´. Physica C: Superconductivity and Its Applications, 2004, 408-410, 810-811.	0.6	0

#	Article	IF	Citations
307	Nuclear Spinâ€“Lattice Relaxation of Single Crystal Sr14Cu24O41. Hyperfine Interactions, 2005, 159, 9-14.	0.2	0
308	Superconductivity and Magnetism in Ladder and Chain Compounds. , 2005, , 573-609.		0
309	Spin Dynamics in an Electron-Doped High-Tc Superconductor. AIP Conference Proceedings, 2006, , .	0.3	0
310	Long-Time Variation of Magnetic Structure in (Pr_xLa_{1â^'}_x)Co₂Si₂: Coexistence of Slow and Fast Processes in Magnetic Phase Transition. Journal of the Physical Society of Japan, 2017, 86, 044707.	0.7	0
311	Possible excitonic phase of (Pr1Ry)1Ca CoO3 (R = Lanthanides and Y). Physica B: Condensed Matter, 2018, 551, 266-269.	1.3	0
312	Measurement of local temperature around the impact points of fast ions under grazing incidence. Nuclear Instruments & Methods in Physics Research B, 2019, 460, 34-37.	0.6	0
313	NANOSECOND ISOMERS IN NEUTRON-RICH Nâ‰ˆ19 NUCLEI. , 2003, , .		0
314	COULOMB EXCITATION OF STABLE EVEN-EVEN ZN ISOTOPES. , 2004, , .		0
315	Spin-Lattice Coupling and Novel Magnetic Properties in the Triangular Lattice Antiferromagnet Ag₂CrO₂. Hamon, 2013, 23, 10-13.	0.0	0
316	Swift heavy-ion irradiation effects on the single crystal La1.85Sr0.15CuO4. Physica Scripta, 1997, T73, 340-342.	1.2	0
317	Swift heavy-ion irradiation effects on the super-conducting material La1.85Sr0.15CuO4. Physica Scripta, 1997, T73, 337-339.	1.2	0
318	Pressure Dependence of the Magnetic Structures in the Pressure-induced Superconductor MnP. Hamon, 2018, 28, 127-130.	0.0	0
319	Effect of Pressure on the 3d Mono-Pnictides CrAs and MnP. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2019, 29, 272-282.	0.1	0
320	Nuclear Spin-Lattice Relaxation of Single Crystal Sr14Cu24O41. , 2005, , 451-456.		0
321	Anisotropic spin-wave excitations in multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub>n Physical Review B, 2022, 105, .	1.1	0
322	Pressure dependence of the magnetic ground state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>CePtSi</mml:mi></mml:mrow><mml:mn>2</mml:mn> Physical Review B, 2022, 105, .	1.1	0