

# Taku J Sato

## List of Publications by Year in descending order

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166  
papers

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109321

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123424

61  
g-index

172  
all docs

172  
docs citations

172  
times ranked

3641  
citing authors

#	ARTICLE	IF	CITATIONS
1	A stable binary quasicrystal. Nature, 2000, 408, 537-538.	27.8	481
2	Pressure-induced superconductivity in the iron-based ladder material BaFe <sub>2</sub> S <sub>3</sub> . Nature Materials, 2015, 14, 1008-1012.	27.5	165
3	Anisotropic itinerant magnetism and spin fluctuations in $\text{BaFe}_2\text{S}_3$ . A neutron scattering study. Physical Review B, 2009, 79, .	3.2	147
4	Observation of Magnetic Monopoles in Spin Ice. Journal of the Physical Society of Japan, 2009, 78, 103706.	1.6	146
5	Orbital and Spin Chains in ZnV <sub>2</sub> O <sub>4</sub> . Physical Review Letters, 2004, 93, 156407.	7.8	144
6	Statics and Dynamics of Incommensurate Spin Order in a Geometrically Frustrated Antiferromagnet CdCr <sub>2</sub> O <sub>4</sub> . Physical Review Letters, 2005, 95, 247204.	7.8	142
7	Pinwheel valence-bond solid and triplet excitations in the two-dimensional deformed kagome lattice. Nature Physics, 2010, 6, 865-869.	16.7	104
8	Investigation of the Spin-Glass Regime between the Antiferromagnetic and Superconducting Phases in Fe <sub>1+y</sub> Se <sub>x</sub> Te <sub>1-x</sub> . Journal of the Physical Society of Japan, 2010, 79, 113702.	1.6	96
9	Anisotropic Spin Correlations in the Zn-Mg-Ho Icosahedral Quasicrystal. Physical Review Letters, 1998, 81, 2364-2367.	7.8	89
10	Unconventional spin fluctuations in the hexagonal antiferromagnet YMnO <sub>3</sub> . Physical Review B, 2003, 68, .	3.2	89
11	Ferroquadrupolar ordering in PrTi <sub>2</sub> Al <sub>3</sub> . Block magnetism coupled with local distortion in the iron-based spin-ladder compound BaFe <sub>2</sub> Se <sub>3</sub> . Physical Review B, 2012, 86, .	3.2	85
12	Magnetic excitations and orbital physics in the ferrimagnetic spinels $\text{Mn}_2\text{TiO}_7$ and $\text{Mn}_2\text{Ti}_2\text{O}_7$ . Physical Review B, 2012, 86, .	3.2	79
13	Magnetic excitations and orbital physics in the ferrimagnetic spinels $\text{Mn}_2\text{TiO}_7$ and $\text{Mn}_2\text{Ti}_2\text{O}_7$ . Physical Review B, 2012, 86, .	3.2	76
14	Magnetic excitations and orbital physics in the ferrimagnetic spinels $\text{Mn}_2\text{TiO}_7$ and $\text{Mn}_2\text{Ti}_2\text{O}_7$ . Physical Review B, 2012, 86, .		

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19	Ab Initio Structure Determination of Icosahedral Zn-Mg-Ho Quasicrystals by Density Modification Method. Physical Review Letters, 2001, 86, 236-239.	7.8	65
20	Nonreciprocal Magnons and Symmetry-Breaking in the Noncentrosymmetric Antiferromagnet. Physical Review Letters, 2017, 119, 047201.	7.8	62
21	Coupling of spin and orbital excitations in the iron-based superconductor $\text{FeSe}$ . Physical Review B, 2010, 81, .	3.2	61
22	Lattice dynamics of the $\text{Zn-Mg-Sc}$ icosahedral quasicrystal and its $\text{Zn-Sc}$ periodic 1/1 approximant. Nature Materials, 2007, 6, 977-984.	27.5	52
23	Dzyaloshinskii-Moriya interaction and spin reorientation transition in the frustrated kagome lattice antiferromagnet. Physical Review B, 2011, 83, .	3.2	50
24	Development of a single-crystal X-ray diffraction system for hydrostatic-pressure and low-temperature structural measurement and its application to the phase study of quasicrystals. Philosophical Magazine, 2007, 87, 2905-2911.	1.6	48
25	Composition and stability of decagonal quasicrystals in the Zn-Mg-rare-earth systems. Philosophical Magazine Letters, 1998, 77, 213-219.	1.2	47
26	Stripelike magnetism in a mixed-valence insulating state of the Fe-based ladder compound $\text{CsFe}_2\text{Se}$ . Physical Review B, 2012, 85, .	3.2	46
27	Experimental Observation of Long-Range Magnetic Order in Icosahedral Quasicrystals. Journal of the American Chemical Society, 2021, 143, 19938-19944.	13.7	46
28	Magnon dispersion shift in the induced ferromagnetic phase of noncentrosymmetric MnSi. Physical Review B, 2016, 94, .	3.2	43
29	Quantum spin fluctuations in the spin-liquid state of $\text{Tb}_2\text{Ti}_2\text{O}_7$ . Journal of Physics Condensed Matter, 2012, 24, 052201.	1.8	42
30	Magnetic structure and Dzyaloshinskii-Moriya interaction in the $\text{S}_2\text{Ti}_2\text{O}_7$ antiferromagnet. Physical Review B, 2015, 92, .	3.2	41
31	Magnetic structure of the $\text{S}_2\text{Ti}_2\text{O}_7$ square-lattice Heisenberg antiferromagnet. Physical Review B, 2016, 93, .	3.2	41
32	Doping dependence of spin dynamics in electron-doped $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2010, 82, .	3.2	38
33	Neutron scattering study of antiferromagnetic correlations in the Kondo semiconductor $\text{CeNiSn}$ . Journal of Physics Condensed Matter, 1995, 7, 8009-8026.	1.8	37
34	Epitaxial crystalline film with psuedo-tenfold symmetry formed by Au-deposition on a decagonal $\text{Al}_7\text{Ni}_{12}\text{Co}_{16}$ quasicrystal. Physical Review B, 2000, 62, 11288-11291.	3.2	36
35	Pressure-Induced Phase Transitions in the $\text{Cd-Yb}$ Periodic Approximant to a Quasicrystal. Physical Review Letters, 2006, 96, 105702.	7.8	36
36	Short-range order and spin-glass-like freezing in $\text{A-Mg-R}$ ( $\text{A} = \text{Zn}$ or $\text{Cd}$ ; $\text{R} =$ rare-earth elements) magnetic quasicrystals. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, 39-50.	0.3	35

#	ARTICLE	IF	CITATIONS
37	Whirling spin order in the quasicrystal approximant $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Au} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 72 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Si} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 17 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Tb} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 13 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Physical Review B, 2019, 100, .	3.2	31
38	Field-induced antiferromagnetism and competition in the metamagnetic state of terbium gallium garnet. Physical Review B, 2008, 78, .	3.2	32
39	Single Crystal Growth of the Icosahedral Zn-Mg-Ho Quasicrystal. Japanese Journal of Applied Physics, 1998, 37, L663-L665.	1.5	31
40	Dissociation of spin objects in geometrically frustrated CdFe <sub>2</sub> O <sub>4</sub> . Physical Review B, 2004, 70, .	3.2	31
41	Disorder-Induced Polaron Formation in the Magnetoresistive Perovskite La <sub>0.54</sub> Ba <sub>0.46</sub> MnO <sub>3</sub> . Physical Review Letters, 2004, 93, 267204.	7.8	31
42	A Novel Decagonal Quasicrystal in Zn-Mg-Dy System. Japanese Journal of Applied Physics, 1997, 36, L1038-L1039.	1.5	30
43	Magnetic properties of the icosahedral Cd-Mg-rare-earth quasicrystals. Journal of Physics Condensed Matter, 2001, 13, L105-L111.	1.8	30
44	Anomalous Transport Behavior of a Binary Cd-Yb Icosahedral Quasicrystal. Japanese Journal of Applied Physics, 2001, 40, L912-L914.	1.5	30
45	Aging, memory, and nonhierarchical energy landscape of spin jam. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11806-11810.	7.1	29
46	Spin Seebeck effect in the polar antiferromagnet $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{a}^{\sim} \langle \text{mml:mtext} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Physical Review B, 2017, 96, .	3.2	29
47	Single-Crystal Growth of the Ternary BaFe <sub>2</sub> As <sub>2</sub> Phase Using the Vertical Bridgman Technique. Japanese Journal of Applied Physics, 2009, 48, 013004.	1.5	28
48	High-field magnetization and magnetic phase diagram of $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{a}^{\sim} \langle \text{mml:mtext} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Physical Review B, 2017, 95, .	3.2	26
49	Thermal stability and irreversibility of skyrmion-lattice phases in Cu <sub>2</sub> OSeO <sub>3</sub> . Physical Review B, 2017, 95, .	3.2	26
50	Magnetic excitations in the Zn-Mg-Tb icosahedral quasicrystal: An inelastic neutron scattering study. Physical Review B, 2006, 73, .	3.2	25
51	Noncoplanar ferrimagnetism and local crystalline-electric-field anisotropy in the quasicrystal approximant Au <sub>70</sub> Si <sub>17</sub> Tb <sub>13</sub> . Journal of Physics Condensed Matter, 2020, 32, 415802.	1.8	25
52	Structure of a Quasicrystal without Atomic Clusters. Physical Review Letters, 1999, 82, 5269-5272.	7.8	24
53	Epitaxial Film Growth of Au-Al Alloy on a Quasiperiodic Surface of Icosahedral Al <sub>72</sub> Pd <sub>19.5</sub> Mn <sub>8.5</sub> . Japanese Journal of Applied Physics, 2001, 40, 6073-6076.	1.5	24
54	Magnetic Reversal of Electric Polarization with Fixed Chirality of Magnetic Structure in a Chiral-Lattice Helimagnet $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{MnSb} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Physical Review Letters, 2016, 117, 047201.	7.8	24

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55	Production of Single Decagonal Quasicrystal in Al-Co-Cu System. Japanese Journal of Applied Physics, 1999, 38, L1049-L1051.	1.5	21
56	Cold-neutron disk-chopper spectrometer at J-PARC. Journal of Neutron Research, 2007, 15, 13-21.	1.1	21
57	Frustrated minority spins in GeNi <sub>2</sub> O <sub>4</sub> . Europhysics Letters, 2008, 82, 37006.	2.0	21
58	Large Negative Quantum Renormalization of Excitation Energies in the Spin-1/2 Kagome Lattice Antiferromagnet Cs <sub>2</sub> Cu <sub>3</sub> SnF <sub>12</sub> . Journal of the Physical Society of Japan, 2014, 83, 043701.	1.6	20
59	Creating the hydrogen absorption capability of CeNi <sub>5</sub> through the addition of Al. International Journal of Hydrogen Energy, 2017, 42, 21832-21840.	7.1	20
60	Triplon band splitting and topologically protected edge states in the dimerized antiferromagnet. Nature Communications, 2019, 10, 2096.	12.8	19
61	Versatile and competing spin-charge-orbital orders in the bilayered manganite system. $\Pr$ ETiO <sub>11</sub> . Physical Review B, 2008, 77, .	3.2	18
62	Magnetic properties of the Ag-In rare-earth 1/1 approximants. Journal of Physics Condensed Matter, 2011, 23, 056001.	1.8	18
63	Interrelationship between Li-diffusion, charge, and magnetism in Li <sub>7</sub> Mn <sub>2</sub> O <sub>4</sub> and Li <sub>71</sub> Mn <sub>190</sub> spinels: Elastic, inelastic, and quasielastic neutron scattering. Physical Review B, 2011, 83, .	3.2	18
64	Deformation of the moving magnetic skyrmion lattice in MnSi under electric current flow. Communications Physics, 2019, 2, .	5.3	18
65	Spin freezing in icosahedral Tb-Mg-Zn and Tb-Mg-Cd quasicrystals. Journal of Physics Condensed Matter, 2003, 15, 7981-7996.	1.8	17
66	Change of antiferromagnetic structure near a quantum critical point in CeRh <sub>1-x</sub> CoxIn <sub>5</sub> . Physical Review B, 2008, 77, .	3.2	17
67	Novel Magnetic Chiral Structures and Unusual Temperature Hysteresis in the Metallic Helimagnet MnP. Journal of the Physical Society of Japan, 2014, 83, 054711.	1.6	17
68	Temperature and composition phase diagram in the iron-based ladder compounds Ba <sub>1-x</sub> Mn <sub>2</sub> O <sub>7</sub> . Physical Review B, 2015, 91, .	3.2	17
69	The structure of a Frank-Kasper decagonal quasicrystal in the Zn-Mg-Dy system: Comparison with the Al-Ni-Co system. Philosophical Magazine Letters, 1998, 77, 205-211.	1.2	16
70	On the one-dimensional 8 Å... periodic superstructure in decagonal phases. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2000, 80, 2375-2391.	0.6	16
71	Dynamics of the ZnMgY icosahedral phase. Journal of Physics Condensed Matter, 2002, 14, 1847-1863.	1.8	16
72	Magnetic correlations in the Cd-Mg-Tb icosahedral quasicrystal. Journal of Alloys and Compounds, 2002, 342, 365-368.	5.5	16

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73	Doping-Dependent and Orbital-Dependent Band Renormalization in Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> Superconductors. Journal of the Physical Society of Japan, 2011, 80, 113707.	1.6	16
74	Data acquisition system for high resolution chopper spectrometer (HRC) at J-PARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 421-426.	1.6	16
75	Decagonal quasicrystals in the Zn-Mg-R alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 867-870.	5.6	15
76	Crystal-field effect on anisotropic magnetic properties of CeT <sub>2</sub> Al <sub>10</sub> (T = Ru) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.24	15
77	Progress in High Resolution Chopper Spectrometer, HRC. Journal of the Physical Society of Japan, 2013, 82, SA033.	1.6	15
78	Spin Fluctuations from Hertz to Terahertz on a Triangular Lattice. Physical Review Letters, 2015, 115, 127202.	7.8	15
79	Nonreciprocal Magnons in Noncentrosymmetric Magnets. Journal of the Physical Society of Japan, 2019, 88, 081007.	1.6	15
80	Magnetic structure and high-field magnetization of the distorted kagome lattice antiferromagnet $\text{Cs}^{3/2}\text{Z}^{1/2}$ Physical Review B, 2019, 99, .	3.2	15
81	Strongly Electron-Correlated Semimetal Ru <sub>3</sub> with a Layered Honeycomb Structure. Journal of the Physical Society of Japan, 2021, 90, . Successive antiferromagnetic transitions with multi-	1.6	15
82	mathvariant="bold-italic">k</math> and noncoplanar spin order, spin fluctuations, and field-induced phases in deformed pyrochlore compound $\text{k}$		

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91	A study of temperature dependent local atomic displacements in a Ba(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> superconductor. Physical Chemistry Chemical Physics, 2016, 18, 9029-9035.	2.8	11
92	Pressure-Induced Metallization in Iron-Based Ladder Compounds Ba <sub>1-x</sub> CsxFe <sub>2</sub> Se <sub>3</sub> . Journal of the Physical Society of Japan, 2017, 86, 024701.	1.6	11
93	Scaling of Memories and Crossover in Glassy Magnets. Scientific Reports, 2017, 7, 12053.	3.3	10
94	Frustrated magnetism in the honeycomb lattice compounds MgMnO <sub>3</sub> and $\text{O}^{\frac{2}{3}}$ Physical Review Materials, 2019, 3, .	2.4	10
95	Curved neutron guide of the cold neutron disk-chopper spectrometer at J-PARC. Journal of Neutron Research, 2008, 16, 81-86.	1.1	9
96	Short-range spin correlations in bulk magnetization, neutron diffraction, and $\hat{I}^2$ experiments. Physical Review B, 2010, 81, .	3.2	9
97	Newly Proposed Inelastic Neutron Spectrometer POLANO. Journal of the Physical Society of Japan, 2013, 82, SA035.	1.6	9
98	Formation and magnetic properties of GaPd <sub>2</sub> Tb 2/1 approximant. Journal of Physics: Conference Series, 2020, 1458, 012003.	0.4	9
99	The effect of high pressure on antiferromagnetic correlations in the Kondo semimetal CeNiSn. Journal of Physics Condensed Matter, 1996, 8, 8183-8189.	1.8	8
100	Inelastic Neutron Scattering Study on Anisotropic Exchange and Dzyaloshinsky-Moriya Interactions in the $S = 1/2$ Triangular Spin Cluster V <sub>3</sub> . Journal of the Physical Society of Japan, 2009, 78, 114709.	1.6	8
101	Study of the analyzer crystals for use in the near-backscattering spectrometer DNA at J-PARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 600, 91-93.	1.6	8
102	Dzyaloshinsky-Moriya interaction and long lifetime of the spin state in the Cu <sub>3</sub> triangular spin cluster by inelastic neutron scattering measurements. Physical Review B, 2011, 84, .	3.2	8
103	Polarisation Analysis Neutron Spectrometer, POLANO, at J-PARC - Concept and Magnetic Field Optimisation. Journal of Physics: Conference Series, 2016, 711, 012010.	0.4	8
104	Tiny adiabatic-demagnetization refrigerator for a commercial superconducting quantum interference device magnetometer. Review of Scientific Instruments, 2016, 87, 123905.	1.3	8
105	Bound spinon excitations in the spin anisotropic triangular antiferromagnet Ca <sub>3</sub> Co <sub>2</sub> Cl <sub>2</sub> O <sub>5</sub> Physical Review Research, 2020, 2, .	3.6	8
106	Ab initio reconstruction of p-type icosahedral ZnMgHo quasicrystal structures. Philosophical Magazine, 2006, 86, 621-627.	1.6	7
107	Basic Concepts of Polarisation Analysis for Neutron Chopper Spectrometer POLANO at J-PARC. Journal of the Physical Society of Japan, 2013, 82, SA036.	1.6	7
108	Polarized neutron spectrometer for inelastic experiments at J-PARC. EPJ Web of Conferences, 2015, 83, 03018.	0.3	7

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109	Crystal Structure in Quadrupolar Kondo Candidate $\text{Pr}_{2-x}\text{Ti}_x\text{Al}_{20}$ ( $x = \text{Ti}$ and $\text{V}$ ). Journal of the Physical Society of Japan, 2019, 88, 015001.	1.6	7
110	Magnetic properties and magnetic structure of the frustrated quasi-one-dimensional antiferromagnet $\text{Sr}_2\text{Cu}_3\text{O}_6$ . Physical Review B, 2020, 102, .	3.2	6
111	High-energy-resolution Option for the Inverted-geometry Time-of-flight Spectrometer DYANA. Journal of Neutron Research, 2005, 13, 189-192.	1.1	6
112	Neutron scattering study on spin correlations and fluctuations in the transition-metal-based magnetic quasicrystal $\text{Zn-Fe-Sc}$ . Physical Review B, 2008, 77, .	3.2	6
113	Science from the Initial Operation of HRC. , 2015, , .		6
114	Controlling the stoichiometry of the triangular lattice antiferromagnet $\text{Li}_x\text{Zn}_{1-x}\text{MoO}_4$ . Physical Review B, 2020, 102, .	2.9	6
115	Structural-transition-driven antiferromagnetic to spin-glass transition in $\text{Cd}_2\text{MgTb}_{1/1}$ approximants. Journal of Physics Condensed Matter, 2020, 32, 485801.	1.8	6
116	The effect of Co doping on antiferromagnetic correlations in the Kondo semi-metal $\text{CeNiSn}$ . Journal of Physics Condensed Matter, 1996, 8, 7127-7138.	1.8	5
117	Magnetic correlations in the $\text{Zn}_2\text{Mg}$ rare-earth icosahedral quasicrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 481-487.	5.6	5
118	Quantum Phase Transition in the Itinerant Antiferromagnet $(\text{VO}_0.9\text{Ti}_{0.1})_2\text{O}_3$ . Physical Review Letters, 2008, 101, 096406.	7.8	5
119	Magnetism of the antiferromagnetic spin-3/2 dimer compound $\text{CrVMoO}_7$ having an antiferromagnetically ordered state. Physical Review B, 2017, 95, .	3.2	5
120	Sinusoidally modulated magnetic structure of Kramers local moments in $\text{CePd}_5\text{Al}_2$ . Journal of Physics Condensed Matter, 2019, 31, 125603.	1.8	5
121	Magnetic properties of icosahedral quasicrystals and their cubic approximants in the $\text{Cd}_2\text{MgRE}$ (RE) Tj ETQq1.1.0.784314 rgBT / 1.8 5	1.8	5
122	Inelastic neutron scattering study on crystal field excitations in $\text{PrMg}_3$ . Journal of Physics: Conference Series, 2009, 150, 042196.	0.4	4
123	Structural stability of an icosahedral $\text{Cd-Yb}$ quasicrystal and its crystalline approximant under high pressure. Journal of Physics: Conference Series, 2010, 215, 012019.	0.4	4
124	Electronic Structure of $\text{BaFe}_2\text{Co}_x\text{As}_2$ Revealed by Angle-Resolved Photoemission Spectroscopy. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1133-1136.	1.8	4
125	Determination of spin Hamiltonian in the $\text{Ni}_4$ magnetic molecule. Physical Review B, 2012, 86, .	3.2	4
126	Concepts of Neutron Polarisation Analysis Devices for a New Neutron Chopper Spectrometer, POLANO, in J-PARC. Journal of Physics: Conference Series, 2014, 502, 012051.	0.4	4



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127	Glassy Behavior and Isolated Spin Dimers in a New Frustrated Magnet BaCr <sub>9</sub> P <sub>6</sub> Ga <sub>12</sub> As <sub>9</sub> O <sub>19</sub> . Journal of the Physical Society of Japan, 2016, 85, 094712.	1.6	4
128	Degenerate ground state in the classical pyrochlore antiferromagnet Na <sub>3</sub> Mn(CO <sub>3</sub> ) <sub>2</sub> Cl. Physical Review B, 2018, 98, .	3.2	4
129	Structural study of icosahedral Cd-Yb quasicrystal under high pressure up to 40 GPa. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c179-c179.	0.3	4
130	Crystal Structure and Magnetic Properties of the Breathing Kagome Ising Antiferromagnet Yb <sub>3</sub> Ni <sub>11</sub> Ge <sub>4</sub> . Journal of the Physical Society of Japan, 2020, 89, 094704.	1.6	4
131	Neutron scattering study of magnetic ordering and excitations in the ternary rare-earth diborocarbide $CeB_{11}C_2$ . Physical Review B, 2021, 103, .	3.2	3
132	A novel time-spatial-focusing momentum-correction analyzer for the near-backscattering spectrometer DIANA at J-PARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 350-362.	1.6	3
133	Impact of minute-time-scale kinetics on the stabilization of the skyrmion-lattice in Cu <sub>2</sub> OSeO <sub>3</sub> . Journal of Physics: Conference Series, 2017, 828, 012004.	0.4	3
134	Effect of Ge substitution on magnetic properties in the itinerant chiral magnet MnSi. Physical Review Materials, 2019, 3, .	2.4	3
135	Breakdown of linear spin-wave theory and existence of spinon bound states in the frustrated kagome-lattice antiferromagnet. Physical Review B, 2022, 105, .	3.2	3
136	Neutron Scattering Study Of Antiferromagnetic Correlations In The Zn-Mg-Ho Icosahedral Quasicrystal. Materials Research Society Symposia Proceedings, 1998, 553, 415.	0.1	2
137	Study of hydrogen diffusion in superprotonic ionic conductors, MHXO <sub>4</sub> , by $\frac{1}{4}$ SR and QENS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 600, 316-318.	1.6	2
138	Search for hidden order parameter of URu <sub>2</sub> Si <sub>2</sub> by neutron-scattering experiment under uniaxial stress. Journal of Physics: Conference Series, 2010, 200, 012065.	0.4	2
139	Magnetic Ordering of Antiferromagnetic Trimer System 2bAs <sub>3</sub> CuCl <sub>2</sub> ·2H <sub>2</sub> O. Journal of Physics: Conference Series, 2012, 400, 032054.	0.4	2
140	Mössbauer studies of spin and charge modulations in BaFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> . Physical Review B, 2021, 103, .	3.2	2
141	Formation of Single Polar Domain in $\hat{I}\pm$ -Cu <sub>2</sub> V <sub>2</sub> O <sub>7</sub> . Journal of the Physical Society of Japan, 2021, 90, 025003.	1.6	2
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