

Taku J Sato

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Breakdown of linear spin-wave theory and existence of spinon bound states in the frustrated kagome-lattice antiferromagnet. <i>Physical Review B</i> , 2022, 105, .	3.2	3
2	Mössbauer studies of spin and charge modulations in BaFe ₂ (As _{1-x} Px) ₂ . <i>Physical Review B</i> , 2021, 103, .	3.2	2
3	Formation of Single Polar Domain in $\hat{\pm}$ -Cu ₂ V ₂ O ₇ . <i>Journal of the Physical Society of Japan</i> , 2021, 90, 025003.	1.6	2
4	Experimental Observation of Long-Range Magnetic Order in Icosahedral Quasicrystals. <i>Journal of the American Chemical Society</i> , 2021, 143, 19938-19944.	13.7	46
5	Strongly Electron-Correlated Semimetal Ru ₃ with a Layered Honeycomb Structure. <i>Journal of the Physical Society of Japan</i> , 2021, 90, .	1.6	15
6	Universal Dynamics of Magnetic Monopoles in Two-Dimensional Kagomé Ice. <i>Journal of the Physical Society of Japan</i> , 2021, 90, .	1.6	1
7	Magnetic properties and magnetic structure of the frustrated quasi-one-dimensional antiferromagnet SrCu_3O_6 . <i>Physical Review B</i> , 2020, 102, .	3.2	2
8	Magnetic properties of icosahedral quasicrystals and their cubic approximants in the Cd ₅ Mg ₁₈ RE (RE) Tj ETQq0.0.0 rgBT /Overlock 1.8 5	1.8	5
9	Formation and magnetic properties of Ga ₂ Pd ₁ Tb ₁ approximant. <i>Journal of Physics: Conference Series</i> , 2020, 1458, 012003.	0.4	9
10	Noncoplanar ferrimagnetism and local crystalline-electric-field anisotropy in the quasicrystal approximant Au ₇₀ Si ₁₇ Tb ₁₃ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 415802.	1.8	25
11	Structural-transition-driven antiferromagnetic to spin-glass transition in Cd ₅ Mg ₁₈ Tb ₁ approximants. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 485801.	1.8	6
12	Ferroelectric atomic displacement in multiferroic tetragonal perovskite $\text{Sr}_2\text{Mn}_2\text{O}_7$. <i>Physical Review Research</i> , 2020, 2, .	3.6	12
13	anisotropic triangular antiferromagnet Ca_3Cl_8 . <i>Physical Review Research</i> , 2020, 2, .	3.6	8
14	Crystal Structure and Magnetic Properties of the Breathing Kagome Ising Antiferromagnet Yb ₃ Ni ₁₁ Ge ₄ . <i>Journal of the Physical Society of Japan</i> , 2020, 89, 094704.	1.6	4
15	Whirling spin order in the quasicrystal approximant $\text{Au}_{72}\text{Al}_{34}$. <i>Physical Review B</i> , 2019, 100, .	3.2	34
16	Deformation of the moving magnetic skyrmion lattice in MnSi under electric current flow. <i>Communications Physics</i> , 2019, 2, .	5.3	18
17	Nonreciprocal Magnons in Noncentrosymmetric Magnets. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 081007.	1.6	15
18	Sinusoidally modulated magnetic structure of Kramers local moments in CePd ₅ Al ₂ . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 125603.	1.8	5

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19	Magnetic structure and high-field magnetization of the distorted kagome lattice antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cs</mml:mi><mml:mn>3</mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 99, .	3.2	15
20	Triplon band splitting and topologically protected edge states in the dimerized antiferromagnet. Nature Communications, 2019, 10, 2096.	12.8	19
21	Crystal Structure in Quadrupolar Kondo Candidate Pr<i>Tr</i>₂Al₂₀ (<i>Tr</i> = Ti and V). Journal of the Physical Society of Japan, 2019, 88, 015001.	1.6	7
22	Controlling the stoichiometry of the triangular lattice antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0086.gif" overflow="scroll"><mml:mrow><mml:msub subscriptshift="65%"><mml:mrow><mml:mi>Li</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>form="prefix">+</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub subscriptshift="65%"><mml:mrow><mml:mi>Zn</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Effect of Ge substitution on magnetic properties in the itinerant chiral magnet MnSi. Physical Review Materials, 2019, 3, .	2.9	6
23	Frustrated magnetism in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>J</mml:mi></mml:msub></mml:mrow></mml:math> honeycomb lattice compounds <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>MgMn</mml:mi><mml:msub><mml:mi>mathvariant="normal">O</mml:mi></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.o. Physical Review Materials, 2019, 3, .	2.4	3
24	Degenerate ground state in the classical pyrochlore antiferromagnet Na ₃ Mn(CO ₃) ₂ Cl. Physical Review B, 2018, 98, .	2.4	4
25	Pressure-Induced Metallization in Iron-Based Ladder Compounds Ba _{1-x} Cs _x Fe ₂ Se ₃ . Journal of the Physical Society of Japan, 2017, 86, 024701.	3.2	4
26	Magnetism of the antiferromagnetic spin- 3/2 dimer compound CrVMoO ₇ having an antiferromagnetically ordered state. Physical Review B, 2017, 95, .	1.6	11
27	Nonreciprocal Magnons and Symmetry-Breaking in the Noncentrosymmetric Antiferromagnet. Physical Review Letters, 2017, 119, 047201.	3.2	5
28	Nonreciprocal Magnons and Symmetry-Breaking in the Noncentrosymmetric Antiferromagnet. Physical Review Letters, 2017, 119, 047201.	7.8	62
29	Creating the hydrogen absorption capability of CeNi ₅ through the addition of Al. International Journal of Hydrogen Energy, 2017, 42, 21832-21840.	7.1	20
30	Spin Seebeck effect in the polar antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>V</mml:mi></mml:mrow></mml:math> <mathvariant="normal">V</math>₂</math> <mathvariant="normal">O</math>₇</math>. Physical Review B, 2017, 96, .	3.2	29
31	High-pressure electrical resistivity studies for Ba _{1-x} Cs _x Fe ₂ Se ₃ . Journal of Physics: Conference Series, 2017, 950, 042031.	0.4	0
32	Scaling of Memories and Crossover in Glassy Magnets. Scientific Reports, 2017, 7, 12053.	3.3	10
33	High-field magnetization and magnetic phase diagram of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>V</mml:mi></mml:mrow></mml:math> <mathvariant="normal">V</math>₂</math> <mathvariant="normal">O</math>₇</math>. Physical Review B, 2017, 95, .	3.2	26
34	Thermal stability and irreversibility of skyrmion-lattice phases in Cu ₂ OSeO ₃ . Physical Review B, 2017, 95, .	3.2	26
35	High-pressure electrical resistivity studies for Ba_{1-x}Cs_xFe₂Se₃. Journal of Physics: Conference Series, 2017, 950, 042034.	0.4	0
36	Impact of minute-time-scale kinetics on the stabilization of the skyrmion-lattice in Cu ₂ OSeO ₃ . Journal of Physics: Conference Series, 2017, 828, 012004.	0.4	3

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37	Magnetic structure and excitations in the AuSiTb quasicrystalline approximant. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1197-C1197.	0.1	0
38	Helical magnetic structure in cubic chiral crystal Pr ₅ Ru ₃ Al ₂ . Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1343-C1343.	0.1	0
39	Polarisation Analysis Neutron Spectrometer, POLANO, at J-PARC - Concept and Magnetic Field Optimisation. Journal of Physics: Conference Series, 2016, 711, 012010.	0.4	8
40	Magnon dispersion shift in the induced ferromagnetic phase of noncentrosymmetric MnSi. Physical Review B, 2016, 94, .	3.2	43
41	Tiny adiabatic-demagnetization refrigerator for a commercial superconducting quantum interference device magnetometer. Review of Scientific Instruments, 2016, 87, 123905.	1.3	8
42	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
43	Incommensurate Magnetic Structure in the Cubic Noncentrosymmetric Ternary Compound Pr ₅ Ru ₃ Al ₂ . Journal of the Physical Society of Japan, 2016, 85, 073705.	1.6	1
44	Glassy Behavior and Isolated Spin Dimers in a New Frustrated Magnet BaCr ₉ pGa ₁₂ ~ ⁹ pO ₁₉ . Journal of the Physical Society of Japan, 2016, 85, 094712.	1.6	4
45	Magnetic Reversal of Electric Polarization with Fixed Chirality of Magnetic Structure in a Chiral-Lattice Helimagnet MnSbO_6	3.2	41
46	Magnetic structure of the square-lattice Heisenberg antiferromagnet $\text{Sr}_2\text{V}_2\text{O}_7$	3.2	41
47	Utilization of mechanical alloying method for flux growth of single crystalline BaFe ₂ (As _{1-x} P _x) ₂ . Journal of Crystal Growth, 2016, 446, 39-41.	1.5	1
48	A study of temperature dependent local atomic displacements in a Ba(Fe _{1-x} Co _x) ₂ As ₂ superconductor. Physical Chemistry Chemical Physics, 2016, 18, 9029-9035.	2.8	11
49	Temperature and composition phase diagram in the iron-based ladder compounds $\text{Ba}_x\text{Fe}_{1-x}\text{As}_2$	3.2	41
50	Magnetic structure and Dzyaloshinskii-Moriya interaction in the antiferromagnet $\text{Sr}_2\text{V}_2\text{O}_7$	3.2	41
51	Science from the Initial Operation of HRC. , 2015, , .		6
52	Polarized neutron spectrometer for inelastic experiments at J-PARC. EPJ Web of Conferences, 2015, 83, 03018.	0.3	7
53	Pressure-induced superconductivity in the iron-based ladder material BaFe ₂ S ₃ . Nature Materials, 2015, 14, 1008-1012.	27.5	165
54	Spin Fluctuations from Hertz to Terahertz on a Triangular Lattice. Physical Review Letters, 2015, 115, 127202.	7.8	15

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55	Concepts of Neutron Polarisation Analysis Devices for a New Neutron Chopper Spectrometer, POLANO, in J-PARC. Journal of Physics: Conference Series, 2014, 502, 012051. Ghost modes and continuum scattering in the dimerized distorted kagome lattice antiferromagnet $\text{Rb}_2\text{Cu}_3\text{SnF}_{12}$. Journal of the Physical Society of Japan, 2014, 83, 043701.	0.4	4
56	Large Negative Quantum Renormalization of Excitation Energies in the Spin-1/2 Kagome Lattice Antiferromagnet $\text{Cs}_2\text{Cu}_3\text{SnF}_{12}$. Journal of the Physical Society of Japan, 2014, 83, 054711.	3.2	12
57	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
59	Construction of Polarized Inelastic Neutron Spectrometer in J-PARC. Journal of Physics: Conference Series, 2014, 502, 012046.	0.4	12
60	Newly Proposed Inelastic Neutron Spectrometer POLANO. Journal of the Physical Society of Japan, 2013, 82, SA035.	1.6	9
61	Long-range order and spin-liquid states of polycrystalline Ti_2O_7 . Physical Review B, 2013, 87, .	3.2	76
62	Progress in High Resolution Chopper Spectrometer, HRC. Journal of the Physical Society of Japan, 2013, 82, SA033.	1.6	15
63	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
64	Stripelike magnetism in a mixed-valence insulating state of the Fe-based ladder compound CsFe_2Se_3 . Physical Review B, 2012, 85, .	3.2	46
65	Determination of spin Hamiltonian in the Ni $_4$ magnetic molecule. Physical Review B, 2012, 86, .	3.2	4
66	Block magnetism coupled with local distortion in the iron-based spin-ladder compound BaFe_2Se_3 . Physical Review B, 2012, 85, .	3.2	79
67	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
68	Neutron Scattering Study on Commensurate and Incommensurate Antiferromagnetic Phases in UPd_2Si_2 under Uniaxial Stress. Journal of the Physical Society of Japan, 2012, 81, SB020.	1.6	1
69	Crystal-field effect on anisotropic magnetic properties of $\text{CeT}_2\text{Al}_{10}$ (T = Ru, Tj, ET, Qq1, 1, 0.78, 4314, rg, BT, /Over)	0.4	95
70	Magnetic Ordering of Antiferromagnetic Trimer System $2\text{b}\hat{\text{A}}_3\text{CuCl}_2\hat{\text{A}}_2\cdot 2\text{H}_2\text{O}$. Journal of Physics: Conference Series, 2012, 400, 032054.	0.4	2
71	Ferroquadrupolar ordering in $\text{PrTi}_2\text{Al}_{20}$. Physical Review B, 2012, 86, .	3.2	85
72	Intermediate-valence icosahedral Au-Al-Yb quasicrystal. Physical Review B, 2012, 86, .	3.2	68

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73	Critical Slowing Down in Zn-Mg-Ho Quasicrystal. <i>Physics Procedia</i> , 2012, 30, 194-197.	1.2	1
74	Conductivity and incommensurate antiferromagnetism of $\text{Fe}_{1.02}\text{Se}_{0.10}\text{Te}_{0.90}$ under pressure. <i>Europhysics Letters</i> , 2012, 98, 37002.	2.0	1
75	A Note on ANSTO Experiment. <i>Hamon</i> , 2012, 22, 32-34.	0.0	0
76	Repetition Rate Multiplication: RRM, an Advanced Measuring Method Planned for the Backscattering Instrument, <i>DNA</i> at the MLF, J-PARC. <i>Journal of the Physical Society of Japan</i> , 2011, 80, SB007.	1.6	12
77	Doping-Dependent and Orbital-Dependent Band Renormalization in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ Superconductors. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 113707.	1.6	16
78	Data acquisition system for high resolution chopper spectrometer (HRC) at J-PARC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 654, 421-426.	1.6	16
79	Electronic Structure of $\text{BaFe}_{2-x}\text{Co}_x\text{As}_2$ Revealed by Angle-Resolved Photoemission Spectroscopy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 1133-1136.	1.8	4
80	High Resolution Chopper Spectrometer (HRC) at J-PARC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 631, 90-97.	1.6	74
81	Magnetic properties of the AgIn rare-earth 1/1 approximants. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 056001.	1.8	18
82	Interrelationship between Li-diffusion, charge, and magnetism in $\text{Li}_7\text{Mn}_2\text{O}_4$ and $\text{Li}_{7.1}\text{Mn}_{1.9}\text{O}_4$ spinels: Elastic, inelastic, and quasielastic neutron scattering. <i>Physical Review B</i> , 2011, 83, .	3.2	18
83	Dzyaloshinskii-Moriya interaction and spin reorientation transition in the frustrated kagome lattice antiferromagnet. <i>Physical Review B</i> , 2011, 83, .	3.2	50
84	Dzyaloshinsky-Moriya interaction and long lifetime of the spin state in the Cu_3 triangular spin cluster by inelastic neutron scattering measurements. <i>Physical Review B</i> , 2011, 84, .	3.2	8
85	Development of cubic anvil type high pressure apparatus for neutron scattering at low temperature. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C814-C815.	0.3	0
86	Search for hidden order parameter of URu_2Si_2 by neutron-scattering experiment under uniaxial stress. <i>Journal of Physics: Conference Series</i> , 2010, 200, 012065.	0.4	2
87	Sinusoidally modulated magnetic structure of a kondo lattice compound CePd_5Al_2 . <i>Journal of Physics: Conference Series</i> , 2010, 200, 032023.	0.4	13
88	Pinwheel valence-bond solid and triplet excitations in the two-dimensional deformed kagome lattice. <i>Nature Physics</i> , 2010, 6, 865-869.	16.7	104
89	Investigation of the Spin-Glass Regime between the Antiferromagnetic and Superconducting Phases in $\text{Fe}_{1+y}\text{Se}_x\text{Te}_{1-x}$. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 113702.	1.6	96
90	Band Structure of the Heavily-Electron-Doped FeAs-Based $\text{Ba}(\text{Fe},\text{Co})_2\text{As}_2$ Superconductor Suppresses Antiferromagnetic Correlations. <i>Physical Review Letters</i> , 2010, 104, 177002.	7.8	13

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91	Doping dependence of spin dynamics in electron-doped BaFe_2As_2 Successive antiferromagnetic transitions with multi- \mathbf{k}	3.2	38
92	and noncoplanar spin order, spin fluctuations, and field-induced phases in deformed pyrochlore compound		

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109	Change of antiferromagnetic structure near a quantum critical point in $\text{CeRh}_{1-x}\text{Co}_x\text{In}_5$. Physical Review B, 2008, 77, .	3.2	17
110	Versatile and competing spin-charge-orbital orders in the bilayered manganite system $\text{Pr}_{1-x}\text{Ca}_x\text{Mn}_2\text{O}_7$. Physical Review B, 2008, 77, .	3.2	18
111	Field-induced antiferromagnetism and competition in the metamagnetic state of terbium gallium garnet. Physical Review B, 2008, 78, .	3.2	32
112	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
113	Neutron scattering study on spin correlations and fluctuations in the transition-metal-based magnetic quasicrystal Zn-Fe-Sc. Physical Review B, 2008, 77, .	3.2	6
114	Cold-neutron disk-chopper spectrometer at J-PARC. Journal of Neutron Research, 2007, 15, 13-21.	1.1	21
115	Neutron scattering study of magnetic ordering and excitations in the ternary rare-earth diborocarbide $\text{Ce}_{1-x}\text{B}_{2-x}\text{C}$. Physical Review B, 2007, 75, 040407.	3.2	3
116	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
117	Lattice dynamics of the Zn-Mg-Sc icosahedral quasicrystal and its Zn-Sc periodic 1/1 approximant. Nature Materials, 2007, 6, 977-984.	27.5	52
118	Neutron Scattering Study on Magnetic Quasicrystals. Nihon Kessho Gakkaishi, 2007, 49, 74-79.	0.0	0
119	Pressure-Induced Phase Transitions in the Cd-Yb Periodic Approximant to a Quasicrystal. Physical Review Letters, 2006, 96, 105702.	7.8	36
120	Study of converging neutron guides for the cold neutron double-chopper spectrometer at J-PARC. Physica B: Condensed Matter, 2006, 385-386, 1236-1239.	2.7	11
121	Ab initio reconstruction of p-type icosahedral Zn-Mg-Ho quasicrystal structures. Philosophical Magazine, 2006, 86, 621-627.	1.6	7
122	Magnetic excitations in the Zn-Mg-Tb icosahedral quasicrystal: An inelastic neutron scattering study. Physical Review B, 2006, 73, .	3.2	25
123	Short-Range Order and Spin-Glass-Like Freezing in $\text{A}_2\text{Mg}_2\text{R}$ (A: Zn or Cd; R: Rare-Earth Elements) Magnetic Quasicrystals. ChemInform, 2005, 36, no.	0.0	0
124	Short-range order and spin-glass-like freezing in $\text{A}_2\text{Mg}_2\text{R}$ (A= Zn or Cd; R= rare-earth elements) magnetic quasicrystals. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, 39-50.	0.3	35
125	High-energy-resolution Option for the Inverted-geometry Time-of-flight Spectrometer DYANA. Journal of Neutron Research, 2005, 13, 189-192.	1.1	6
126	Statics and Dynamics of Incommensurate Spin Order in a Geometrically Frustrated Antiferromagnet CdCr_2O_4 . Physical Review Letters, 2005, 95, 247204.	7.8	142

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127	Successive alternation of the propagation direction of the inner shell ordering by pressure in a Cd-Yb 1/1 approximant crystal. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c80-c80.	0.3	0
128	Dissociation of spin objects in geometrically frustrated CdFe ₂ O ₄ . <i>Physical Review B</i> , 2004, 70, .	3.2	31
129	Disorder-Induced Polaron Formation in the Magnetoresistive Perovskite La _{0.54} Ba _{0.46} MnO ₃ . <i>Physical Review Letters</i> , 2004, 93, 267204.	7.8	31
130	Orbital and Spin Chains in ZnV ₂ O ₄ . <i>Physical Review Letters</i> , 2004, 93, 156407.	7.8	144
131	Spin Fluctuation and Crystal Field Excitation of Heavy-Fermion Compound YbAgGe Studied by Inelastic Neutron Scattering. <i>Journal of the Physical Society of Japan</i> , 2004, 73, 2967-2970.	1.6	12
132	Ab Initio Structure Determination of Quasicrystals via Single Crystal X-Ray Diffraction. <i>Materials Research Society Symposia Proceedings</i> , 2003, 805, 102.	0.1	0
133	First-order transition in the itinerant ferromagnet CoS _{1.9} Se _{0.1} . <i>Physical Review B</i> , 2003, 68, .	3.2	12
134	Unconventional spin fluctuations in the hexagonal antiferromagnet YMnO ₃ . <i>Physical Review B</i> , 2003, 68, .	3.2	89
135	Spin freezing in icosahedral Tb-Mg-Zn and Tb-Mg-Cd quasicrystals. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 7981-7996.	1.8	17
136	Dynamics of the ZnMgY icosahedral phase. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 1847-1863.	1.8	16
137	Magnetic correlations in the Cd-Mg-Tb icosahedral quasicrystal. <i>Journal of Alloys and Compounds</i> , 2002, 342, 365-368.	5.5	16
138	Structural study of icosahedral Cd-Yb quasicrystal under high pressure up to 40 GPa. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2002, 58, c179-c179.	0.3	4
139	Magnetic diffuse scattering from Zn-Mg-RE and Cd-Mg-RE (RE: rare-earth) icosahedral quasicrystals. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2002, 58, c229-c229.	0.3	0
140	Decagonal quasicrystals in the Zn-Mg-R alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 304-306, 867-870.	5.6	15
141	Magnetic properties of the icosahedral Cd-Mg-rare-earth quasicrystals. <i>Journal of Physics Condensed Matter</i> , 2001, 13, L105-L111.	1.8	30
142	Structure of icosahedral Zn-Mg-Ho quasicrystals determined by a density modification method. <i>Ferroelectrics</i> , 2001, 250, 301-304.	0.6	1
143	Growth of the Al-Pd-Re and Al-Cu-Fe single quasicrystals. <i>Ferroelectrics</i> , 2001, 250, 253-256.	0.6	0
144	Anomalous Transport Behavior of a Binary Cd-Yb Icosahedral Quasicrystal. <i>Japanese Journal of Applied Physics</i> , 2001, 40, L912-L914.	1.5	30

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145	Epitaxial Film Growth of Au-Al Alloy on a Quasiperiodic Surface of Icosahedral Al ₇₂ Pd _{19.5} Mn _{8.5} . Japanese Journal of Applied Physics, 2001, 40, 6073-6076.	1.5	24
146	Ab Initio Structure Determination of Icosahedral Zn-Mg-Ho Quasicrystals by Density Modification Method. Physical Review Letters, 2001, 86, 236-239.	7.8	65
147	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
148	Surfactant-Mediated Growth of Epitaxial Films on Quasiperiodic Surfaces. Materials Research Society Symposia Proceedings, 2000, 643, 1151.	0.1	1
149	Magnetic correlations in the Zn-Mg-rare-earth icosahedral quasicrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 481-487.	5.6	5
150	A stable binary quasicrystal. Nature, 2000, 408, 537-538.	27.8	481
151	Epitaxial crystalline film with pseudo-tenfold symmetry formed by Au-deposition on a decagonal Al ₇₂ Ni ₁₂ Co ₁₆ quasicrystal. Physical Review B, 2000, 62, 11288-11291.	3.2	36
152	Antiferromagnetic spin correlations in the Zn-Mg-Ho icosahedral quasicrystal. Physical Review B, 2000, 61, 476-486.	3.2	74
153	Structure of a Quasicrystal without Atomic Clusters. Physical Review Letters, 1999, 82, 5269-5272.	7.8	24
154	Production of Single Decagonal Quasicrystal in Al-Co-Cu System. Japanese Journal of Applied Physics, 1999, 38, L1049-L1051.	1.5	21
155	Single-crystal growth of the decagonal Al-Ni-Co quasicrystal. Journal of Crystal Growth, 1998, 191, 545-552.	1.5	66
156	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
157	Single Crystal Growth of the Icosahedral Zn-Mg-Ho Quasicrystal. Japanese Journal of Applied Physics, 1998, 37, L663-L665.	1.5	31
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