

Hiroyuki Nakamura

List of Publications by Year in descending order

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80
papers

2,576
citations

430874

18
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189892

50
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80
all docs

80
docs citations

80
times ranked

2624
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-reversal symmetry-breaking superconductivity in Sr ₂ RuO ₄ . Nature, 1998, 394, 558-561.	27.8	964
2	Néel-type skyrmion lattice with confined orientation in the polar magnetic semiconductor GaV ₄ S ₈ . Nature Materials, 2015, 14, 1116-1122.	27.5	523
3	Mn-doping-induced itinerant-electron ferromagnetism in Cr ₂ Mn ₂ S ₈ . Physical Review B, 2014, 89, .	1.6	62
4	Incommensurate Magnetic Ordering and Spin-Liquid-Like State in a Triangular Lattice BaVS ₃ : Neutron Diffraction and Scattering Study. Journal of the Physical Society of Japan, 2000, 69, 2763-2766.	1.6	62
5	Characteristic spin fluctuations in Y(Mn _{1-x} Al _x) ₂ . Journal of Physics F: Metal Physics, 1987, 17, 1781-1793.	1.6	59
6	Low-field anomalous magnetic phase in the kagome-lattice shandite Cr ₃ Sn ₂ In ₂ . Physical Review B, 2013, 88, .	3.2	59
7	Symmetry breaking in the metal-insulator transition of BaVS ₃ . Physical Review B, 2002, 66, .	3.2	47
8	Possible Orbital Ordering in a Spin-Singlet Ground State: ⁵¹ NMR and NQR study of BaVS ₃ . Physical Review Letters, 1997, 79, 3779-3782.	7.8	43
9	Single crystal growth and characterization of kagome-lattice shandites Co ₃ Sn ₂ In ₂ . Journal of Crystal Growth, 2015, 426, 208-213.	1.5	43
10	Magnetic ground state of the Cr ₃ Sn ₂ In ₂ nitride. Physical Review B, 2013, 88, .	3.2	40
11	Structure, optical and varying magnetic properties of insulating MCr ₂ O ₄ (M= Co, Zn, Mg and Cd) nanospinel. Journal of Alloys and Compounds, 2019, 790, 853-862.	5.5	37
12	Flux growth of magnetoplumbite-type strontium ferrite single crystals with La-Co co-substitution. Journal of Solid State Chemistry, 2016, 239, 153-158.	2.9	36
13	Structural transition of the tetrahedral metal cluster: nuclear magnetic resonance study of GaV ₄ S ₈ . Journal of Physics Condensed Matter, 2005, 17, 6015-6024.	1.8	31
14	Structure and magnetic properties of flux grown single crystals of Co ₃ Fe ₂ Sn ₂ S ₂ shandites. Journal of Solid State Chemistry, 2016, 233, 8-13.	2.9	31
15	Lattice modes and the Jahn-Teller ferroelectric transition of GaV ₄ S ₈ . Physical Review B, 2016, 94, .	3.2	30
16	Single-crystalline M-type Sr Hexaferrites studied by ⁵⁷ Fe Mössbauer spectroscopy. Hyperfine Interactions, 2016, 237, 1.	0.5	29
17	Quasi-Two-Dimensional Magnetism in Co-Based Shandites. Journal of the Physical Society of Japan, 2016, 85, 064706.	1.6	26
18	Effect of oxygen potential on Co solubility limit in La-Co co-substituted magnetoplumbite-type strontium ferrite. Materials Research Bulletin, 2018, 104, 87-91.	5.2	23

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19	Orbital-order driven ferroelectricity and dipolar relaxation dynamics in multiferroic GaMn_4S_8 . <i>Physical Review B</i> , 2018, 98, .	3.2	19
20	Novel Magnetic Chiral Structures and Unusual Temperature Hysteresis in the Metallic Helimagnet MnP. <i>Journal of the Physical Society of Japan</i> , 2014, 83, 054711.	1.6	17
21	Architecture of nanoscale ferroelectric domains in GaMo_4S_8 . <i>Journal of Physics Condensed Matter</i> , 2018, 30, 445402.	1.8	17
22	Ferromagnetism of Sulfur Deficient BaVS_3 . <i>Journal of the Physical Society of Japan</i> , 2000, 69, 3068-3071.	1.6	16
23	Existence of a Phase Transition under Finite Magnetic Field in the Long-Range RKKY Ising Spin Glass $\text{Dy}_{x\text{Y}1-x}\text{Ru}_2\text{Si}_2$. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 123704.	1.6	15
24	Phase stability, single crystal growth, and anisotropic magnetic properties of CaLa magnetoplumbite-type ferrite. <i>Journal of Solid State Chemistry</i> , 2017, 245, 17-22.	2.9	15
25	Lattice dynamics and electronic excitations in a large family of lacunar spinels with a breathing pyrochlore lattice structure. <i>Physical Review B</i> , 2020, 101, .	3.2	15
26	Spin-Liquid to Spin-Glass Transition in $\text{Y}(\text{Sc})(\text{Mn}_{1-x}\text{Al}_x)_2$: Polarized Neutron Scattering Study. <i>Journal of the Physical Society of Japan</i> , 1996, 65, 2779-2782.	1.6	14
27	Spin-Liquid State Formation in the Cluster Mott Insulator GaNb_4 . <i>Physical Review B</i> , 2014, 89, 040407.	3.2	14
28	Occupation sites and valence states of Co dopants in (La, Co) -codoped Sr ferrite and FeCo . <i>Physical Review B</i> , 2018, 98, .	3.2	13
29	Unconventional critical behaviors at the magnetic phase transition of $\text{Co}_3\text{Sn}_2\text{S}_2$ kagome ferromagnet. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 015801.	1.8	13
30	Muon Spin Relaxation Study of Magnetism of a Triangular Lattice BaVS_3 . <i>Journal of the Physical Society of Japan</i> , 2002, 71, 2361-2364.	1.6	12
31	Partial gap opening on the Fermi surface of the noncentrosymmetric superconductor Mo_3Al . <i>Physical Review B</i> , 2011, 84, .	3.2	12
32	Magnetic evolution from the superparamagnetism in nanospinel chromites $\text{Cd}_{1-x}\text{Co}_x\text{Cr}_2\text{O}_4$ ($0 \leq x \leq 1.0$). <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 495, 165830.	2.3	12
33	Itinerant Electron Metamagnetism in \hat{C} -Carbide-Type Compound $\text{Co}_3\text{Mo}_3\text{C}$. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 093703.	1.6	11
34	Co site preference and site-selective substitution in LaCo co-substituted magnetoplumbite-type strontium ferrites probed by ^{59}Co nuclear magnetic resonance. <i>JPhys Materials</i> , 2019, 2, 015007.	4.2	11
35	domain structure within half-metallic ferromagnetic kagome compound Co_3S_2 . <i>Physical Review B</i> , 2011, 84, .	2.4	11
36	^{55}Mn ssbauer effect of Ni-doped strontium ferrite. <i>Hyperfine Interactions</i> , 2012, 206, 115-118.	0.5	10

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37	Magnetic and geometric control of spin textures in the itinerant kagome magnet $\text{Fe}_3\text{V}_3\text{Sb}_5$. Physical Review Research, 2021, 3, .		
38	Site-dependent cobalt electronic state in $\text{La}_{1-x}\text{Co}_x$ co-substituted magnetoplumbite-type ferrite: ^{59}Co nuclear magnetic resonance study. Journal of Physics Condensed Matter, 2016, 28, 346002.	1.8	9
39	Squeezing the periodicity of d_{xy} -type magnetic modulations by enhanced Dzyaloshinskii-Moriya interaction of 4d electrons. Npj Quantum Materials, 2022, 7, .	5.2	9
40	Spin frustration in $\text{Y}(\text{Sc})\text{Mn}_2$. , 1997, 104, 337-342.		8
41	Magnetism of BaVSe_3 . Journal of the Physical Society of Japan, 2001, 70, 1768-1771.	1.6	8
42	Magnetization Process of Narrow-Gap Semiconductor FeSb_2 . Journal of the Physical Society of Japan, 2010, 79, 093704.	1.6	8
43	Normal and Superconducting Properties of the Noncentrosymmetric $\text{Mo}_3\text{Al}_2\text{C}$. Journal of the Physical Society of Japan, 2013, 82, 073709.	1.6	8
44	^{57}Fe Mössbauer and $\text{Co K}\beta$ x-ray emission spectroscopic investigations of La-Co and La substituted strontium hexaferrite. Journal of Applied Physics, 2018, 123, .	2.5	8
45	Single-crystal growth and magnetic properties of Co-substituted $\text{Ca}_{1-x}\text{La}_x$ magnetoplumbite-type ferrite. Journal of Solid State Chemistry, 2019, 270, 366-369.	2.9	8
46	Magnetic phase boundary of BaVS_3 clarified with high-pressure ^{51}V NMR observation. Observation of two magnetic phases in BaVS_3 . Physical Review B, 2014, 90, .	3.2	8
47	Observation of two magnetic phases in BaVS_3 . Physical Review B, 2014, 90, .	3.2	7
48	Pressure dependence of ferromagnetic phase boundary in BaVSe_3 studied with high-pressure ^{51}V +SR. Physical Review B, 2021, 103, .	3.2	7
49	Structure and cationic distribution dependent soft magnetic properties of single-domain $\text{Mg}_{1-x}\text{Ni}_x\text{Fe}_2\text{O}_4$ ($0 \leq x \leq 1.0$) nanocrystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 274, 115494.	3.5	7
50	Electron correlation in Pauli paramagnetic Cr_2AlC , Cr_2GaC and Cr_2GeC . Journal of Physics: Conference Series, 2017, 868, 012016.	0.4	6
51	Spin freezing in geometrically frustrated Mn^{2+} probed by muon spin relaxation. , 1999, 120/121, 639-643.		5
52	Evidence of Spontaneous Co Moment in a Rare-Earth Cobalt Laves Phase Compound: ^{59}Co NMR Study of LaCo_2 . Journal of the Physical Society of Japan, 2002, 71, 2117-2120.	1.6	5
53	Electron Correlations in Superconductor $\text{Rh}_{17}\text{S}_{15}$ Studied by ^{103}Rh NMR and Specific Heat Measurements. Journal of the Physical Society of Japan, 2010, 79, 114723.	1.6	5
54	Quasi-One-Dimensional Spin Dynamics in YScMn_2 -Electron Heavy-Fermion Metal $\text{Y}_{1-x}\text{Sc}_x\text{Mn}_2$. Journal of the Physical Society of Japan, 2011, 80, 063707.	1.6	5

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55	Single crystal synthesis and magnetic properties of Co ²⁺ -substituted and non-substituted magnetoplumbite-type Na ⁺ La ferrite. Journal of Solid State Chemistry, 2020, 282, 121071.	2.9	5
56	Magnetic anisotropies of La ⁺ Co substituted M-type Sr hexaferrites studied by ⁵⁷ Fe Mössbauer spectroscopy with external magnetic fields. Journal of Applied Physics, 2020, 128, 133901.	2.5	5
57	Nuclear resonance measurements of CePd ₂ Ga ₃ . Zeitschrift für Physik B-Condensed Matter, 1997, 100, 395-400.	1.1	3
58	NMR study of the partially disordered state in the frustrated fcc antiferromagnet GdInCu ₄ . , 1999, 120/121, 257-262.		3
59	La-Ni Substituted M-type Sr Hexaferrite Studied by ⁵⁷ Fe Mössbauer Spectroscopy. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, S266-S269.	0.2	3
60	Possible Itinerant-Electron Canted Antiferromagnetism in Tetragonal Antiperovskite Cr ₃ AsN. Journal of the Physical Society of Japan, 2017, 86, 104706.	1.6	3
61	Magnetic Measurements of Narrow-Gap Semiconductor FeSb ₂ under High Pressure. Materials Transactions, 2020, 61, 1476-1479.	1.2	3
62	Low Temperature Specific Heat of RMn ₂ Compounds with the Hexagonal C14 Structure (R=Y, Yb and Th). Journal of the Physical Society of Japan, 1997, 66, 2175-2177.	1.6	2
63	Muon spin relaxation in spin gap state of BaVS ₃ . , 1999, 120/121, 633-637.		2
64	⁵⁹ Co Hyperfine Fields in CaCo ₂ and MgCo ₂ . Physica Status Solidi (B): Basic Research, 2002, 232, 352-355.	1.5	2
65	Irreversible Phase Separation to Antiferromagnetic and Spin-Singlet States in the Square-Planar Metal-Cluster Compound V ₄ S ₉ Br ₄ . Journal of the Physical Society of Japan, 2011, 80, 073706.	1.6	2
66	Observation of the Partial Fermi Surface Quenching in the Noncentrosymmetric Superconductor Mo ₃ Al ₂ C. Journal of the Physical Society of Japan, 2012, 81, SB008.	1.6	2
67	Magnetic anisotropy of Y-type ferrites: Role of the local lattice structure. Journal Physics D: Applied Physics, 2020, 53, 455001.	2.8	2
68	Study on the Increase of Co Concentration and the Purification of La-Co Cosubstituted M-type Sr Ferrite by Oxygen Partial Pressure Control. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2022, 69, 288-292.	0.2	2
69	Cluster-spin dynamics in a GaMo ₄ S ₈ -type compound: ²⁷ Al nuclear magnetic resonance study of AlMo ₄ S ₈ . Journal of Physics Condensed Matter, 2007, 19, 046206.	1.8	1
70	¹¹⁹ Sr study on the spin singlet state in the S _i = 1/2 cluster magnet GaNb ₄ S ₈ . Journal of Physics: Conference Series, 2010, 225, 012055.	0.4	1
71	Quasi-two-dimensional magnetism in Cr-based MAX phases. Journal of Physics: Conference Series, 2017, 868, 012007.	0.4	1
72	Vanishment of Metamagnetic Transition in the Metal-to-Insulator Transition Compound BaVS ₃ under High Pressure. Journal of the Physical Society of Japan, 2020, 89, 064711.	1.6	1

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73	Effects of local lattice deformation on magnetic anisotropy of W-type ferrites. Journal of Magnetism and Magnetic Materials, 2022, 551, 169112.	2.3	1
74	Bismuth substitution at the strontium site in the magnetoplumbite-type Sr ferrite: Phase stability, structure, and magnetic properties. Journal of Magnetism and Magnetic Materials, 2022, 560, 169603.	2.3	1
75	Spontaneous phase separation to antiferromagnetic and spin-singlet states in the square-planar cluster compound V ₄ S ₉ Br ₄ observed by NMR and NQR\$. , 2012, , .		0
76	Polarization-Dependent ARPES Study on Quasi-One-Dimensional BaVS ₃ . , 2014, , .		0
77	Enhancement of Magnetism by Metal Clusterization in Itinerant Electron Magnet Fe ₃ Mo ₃ N. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2017, 64, 180-184.	0.2	0
78	Hard X-Ray Photoemission Spectroscopy of Quasi-One-Dimensional BaVS ₃ . , 2014, , .		0
79	Orbital Order in Quasi-One-Dimensional Compound BaVS ₃ . , 2014, , .		0
80	The Function of Co in Co-substituted M-type Ferrites: ⁵⁹ Co-NMR Study. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2020, 67, 78-83.	0.2	0