

Hiroyuki Nakamura

List of Publications by Year in descending order

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2,576
citations

430874

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80
all docs

80
docs citations

80
times ranked

2624
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of local lattice deformation on magnetic anisotropy of W-type ferrites. Journal of Magnetism and Magnetic Materials, 2022, 551, 169112.	2.3	1
2	Squeezing the periodicity of Néel-type magnetic modulations by enhanced Dzyaloshinskii-Moriya interaction of 4d electrons. Npj Quantum Materials, 2022, 7, .	5.2	9
3	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
4	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 Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2022, 69, 288-292.	0.2	2
5	Pressure dependence of ferromagnetic phase boundary in BaVSe ₃ studied with high-pressure $\frac{1}{4}$ +SR. Physical Review B, 2021, 103, .	3.2	7
6	Unconventional critical behaviors at the magnetic phase transition of Co ₃ Sn ₂ S ₂ kagomé ferromagnet. Journal of Physics Condensed Matter, 2021, 33, 015801.	1.8	13
7	Structure and cationic distribution dependent soft magnetic properties of single-domain Mg ¹⁺ Ni Fe ₂ O ₄ (0Å ^x Å ^{1.0}) nanocrystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 274, 115494.	3.5	7
8	Magnetic and geometric control of spin textures in the itinerant kagome magnet $\langle \text{math} \text{Fe} \rangle$. Physical Review Research, 2021, 3, .	3.6	10
9	Magnetic evolution from the superparamagnetism in nanospinel chromites Cd ¹⁺ Co Cr ₂ O ₄ (0Å ^x Å ^{1.0}). Journal of Magnetism and Magnetic Materials, 2020, 495, 165830.	2.3	12
10	Single crystal synthesis and magnetic properties of Co ²⁺ -substituted and non-substituted magnetoplumbite-type NaLa ferrite. Journal of Solid State Chemistry, 2020, 282, 121071.	2.9	5
11	Magnetic anisotropies of LaCo 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
12	Magnetic phase boundary of BaVS ₃ clarified with high-pressure $\frac{1}{4}$ Physical Review B, 2020, 101, .	3.2	8
13	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
14	Lattice dynamics and electronic excitations in a large family of lacunar spinels with a breathing pyrochlore lattice structure. Physical Review B, 2020, 101, .	3.2	15
15	Magnetic anisotropy of Y-type ferrites: Role of the local lattice structure. Journal Physics D: Applied Physics, 2020, 53, 455001.	2.8	2
16	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
17	Magnetic Measurements of Narrow-Gap Semiconductor FeSb ₂ under High Pressure. Materials Transactions, 2020, 61, 1476-1479.	1.2	3
18	Co site preference and site-selective substitution in LaCo co-substituted magnetoplumbite-type strontium ferrites probed by ⁵⁹ Co nuclear magnetic resonance. JPhys Materials, 2019, 2, 015007.	4.2	11

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19	Structure, optical and varying magnetic properties of insulating MCr ₂ O ₄ (M= Co, Zn, Mg and Cd) nanospinels. Journal of Alloys and Compounds, 2019, 790, 853-862.	5.5	37
20	Single-crystal growth and magnetic properties of Co-substituted Ca ²⁺ La magnetoplumbite-type ferrite. Journal of Solid State Chemistry, 2019, 270, 366-369.	2.9	8
21	Magnetic Kagome compound $C_3O_3S_2$. <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" > <mml:mrow> <mml:mi mathvariant="normal">C</mml:mi> <mml:msub> <mml:mi mathvariant="normal">o</mml:mi> <mml:mn>3</mml:mn> </mml:msub> <mml:mi mathvariant="normal">S</mml:mi> <mml:msub> <mml:mi mathvariant="normal">n</mml:mi> <mml:mn>2</mml:mn> </mml:msub> </mml:mrow> </mml:math></small>	2.4	11
22	Effect of oxygen potential on Co solubility limit in La ²⁺ Co co-substituted magnetoplumbite-type strontium ferrite. Materials Research Bulletin, 2018, 104, 87-91.	5.2	23
23	⁵⁷ Fe Mössbauer and Co K ²⁺ x-ray emission spectroscopic investigations of La-Co and La substituted strontium hexaferrite. Journal of Applied Physics, 2018, 123, .	2.5	8
24	Orbital-order driven ferroelectricity and dipolar relaxation dynamics in multiferroic GaM ₄ S ₈ . Physical Review B, 2018, 98, .	3.2	19
25	Architecture of nanoscale ferroelectric domains in GaMo ₄ S ₈ . Journal of Physics Condensed Matter, 2018, 30, 445402.	1.8	17
26	Occupation sites and valence states of Co dopants in (La, Co)-codoped M-type Sr ferrite: ⁵⁷ Fe and ⁵⁹ Co nuclear magnetic resonance studies. Physical Review B, 2018, 98, .	3.2	13
27	Possible Itinerant-Electron Canted Antiferromagnetism in Tetragonal Antiperovskite Cr ₃ AsN. Journal of the Physical Society of Japan, 2017, 86, 104706.	1.6	3
28	Low-field anomalous magnetic phase in the kagome-lattice shandite $C_3O_3S_2$. <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" > <mml:mrow> <mml:mi mathvariant="normal">C</mml:mi> <mml:msub> <mml:mi mathvariant="normal">o</mml:mi> <mml:mn>3</mml:mn> </mml:msub> <mml:mi mathvariant="normal">S</mml:mi> <mml:msub> <mml:mi mathvariant="normal">n</mml:mi> <mml:mn>2</mml:mn> </mml:msub> </mml:mrow> </mml:math></small>	3.2	59
29	Phase stability, single crystal growth, and anisotropic magnetic properties of Ca ²⁺ La magnetoplumbite-type ferrite. Journal of Solid State Chemistry, 2017, 245, 17-22.	2.9	15
30	Quasi-two-dimensional magnetism in Cr-based MAX phases. Journal of Physics: Conference Series, 2017, 868, 012007.	0.4	1
31	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
32	Electron correlation in Pauli paramagnetic Cr ₂ AlC, Cr ₂ GaC and Cr ₂ GeC. Journal of Physics: Conference Series, 2017, 868, 012016.	0.4	6
33	Flux growth of magnetoplumbite-type strontium ferrite single crystals with La ²⁺ Co co-substitution. Journal of Solid State Chemistry, 2016, 239, 153-158.	2.9	36
34	Site-dependent cobalt electronic state in La ²⁺ Co co-substituted magnetoplumbite-type ferrite: ⁵⁹ Co nuclear magnetic resonance study. Journal of Physics Condensed Matter, 2016, 28, 346002.	1.8	9
35	Lattice modes and the Jahn-Teller ferroelectric transition of GaV ₄ S ₈ . Physical Review B, 2016, 94, .	3.2	30
36	Quasi-Two-Dimensional Magnetism in Co-Based Shandites. Journal of the Physical Society of Japan, 2016, 85, 064706.	1.6	26

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37	Single-crystalline M-type Sr Hexaferrites studied by ^{57}Fe Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.5	29
38	Structure and magnetic properties of flux grown single crystals of $\text{Co}_3\hat{\text{Fe}}\text{Sn}_2\text{S}_2$ shandites. <i>Journal of Solid State Chemistry</i> , 2016, 233, 8-13.	2.9	31
39	Single crystal growth and characterization of kagomé-lattice shandites $\text{Co}_3\text{Sn}_2\hat{\text{In}}\text{S}_2$. <i>Journal of Crystal Growth</i> , 2015, 426, 208-213.	1.5	43
40	Néel-type skyrmion lattice with confined orientation in the polar magnetic semiconductor $\hat{\text{Ga}}\text{V}_4\text{S}_8$. <i>Nature Materials</i> , 2015, 14, 1116-1122.	27.5	523
41	Polarization-Dependent ARPES Study on Quasi-One-Dimensional BaVS_3 . , 2014, , .		0
42	Observation of two ferromagnetic phases in $\text{Fe}_3\text{Mo}_3\text{N}_7$. <i>Physical Review B</i> , 2014, 90, .	3.2	7
43	Mn-doping-induced itinerant-electron ferromagnetism in $\text{Cr}_2\text{Mn}_2\text{Mn}$. <i>Physical Review B</i> , 2014, 89, .	3.2	10
44	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
45	La-Ni Substituted M-type Sr Hexaferrite Studied by ^{57}Fe Mössbauer Spectroscopy. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2014, 61, S266-S269.	0.2	3
46	Hard X-Ray Photoemission Spectroscopy of Quasi-One-Dimensional BaVS_3 . , 2014, , .		0
47	Orbital Order in Quasi-One-Dimensional Compound BaVS_3 . , 2014, , .		0
48	Normal and Superconducting Properties of the Noncentrosymmetric $\text{Mo}_3\text{Al}_2\text{C}$. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 073709.	1.6	8
49	Magnetic ground state of the $\text{M}_n\text{M}_n\text{O}_n$ nitride $\text{Cr}_2\text{Mn}_2\text{GaN}$. <i>Physical Review B</i> , 2013, 88, .	3.2	40
50	Spontaneous phase separation to antiferromagnetic and spin-singlet states in the square-planar cluster compound $\text{V}_4\text{S}_9\text{Br}_4$ observed by NMR and NQR\$. , 2012, , .		0
51	Observation of the Partial Fermi Surface Quenching in the Noncentrosymmetric Superconductor $\text{Mo}_3\text{Al}_2\text{C}$. <i>Journal of the Physical Society of Japan</i> , 2012, 81, SB008.	1.6	2
52	Mössbauer effect of Ni-doped strontium ferrite. <i>Hyperfine Interactions</i> , 2012, 206, 115-118.	0.5	10
53	Quasi-One-Dimensional Spin Dynamics in d -Electron Heavy-Fermion Metal $\text{Y}_{1-x}\text{Sc}_x\text{Mn}_2$. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 063707.	1.6	5
54	Partial gap opening on the Fermi surface of the noncentrosymmetric superconductor $\text{Mo}_3\text{Al}_2\text{C}$. <i>Physical Review B</i> , 2011, 84, .	3.2	12

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55	Irreversible Phase Separation to Antiferromagnetic and Spin-Singlet States in the Square-Planar Metal-Cluster Compound $V_4S_9Br_4$. Journal of the Physical Society of Japan, 2011, 80, 073706.	1.6	2
56	Magnetization Process of Narrow-Gap Semiconductor $FeSb_2$. Journal of the Physical Society of Japan, 2010, 79, 093704.	1.6	8
57	Electron Correlations in Superconductor $Rh_{17}S_{15}$ Studied by ^{103}Rh NMR and Specific Heat Measurements. Journal of the Physical Society of Japan, 2010, 79, 114723.	1.6	5
58	Existence of a Phase Transition under Finite Magnetic Field in the Long-Range RKKY Ising Spin Glass $DyxY_1-xRu_2Si_2$. Journal of the Physical Society of Japan, 2010, 79, 123704.	1.6	15
59	μ SR study on the spin singlet state in the $S = 1/2$ cluster magnet $GaNb_4S_8$. Journal of Physics: Conference Series, 2010, 225, 012055.	0.4	1
60	Spin-singlet state formation in the cluster Mott insulator $GaNb_4S_8$. ^{59}Co NMR spectroscopy. Physical Review B, 2010, 81, .	3.2	14
61	Itinerant Electron Metamagnetism in \bar{I} -Carbide-Type Compound Co_3Mo_3C . Journal of the Physical Society of Japan, 2010, 79, 093703.	1.6	11
62	Cluster-spin dynamics in a $GaMo_4S_8$ -type compound: ^{27}Al nuclear magnetic resonance study of $AlMo_4S_8$. Journal of Physics Condensed Matter, 2007, 19, 046206.	1.8	1
63	Structural transition of the tetrahedral metal cluster: nuclear magnetic resonance study of GaV_4S_8 . Journal of Physics Condensed Matter, 2005, 17, 6015-6024.	1.8	31
64	Symmetry breaking in the metal-insulator transition of $BaVS_3$. Physical Review B, 2002, 66, .	3.2	47
65	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
66	Muon Spin Relaxation Study of Magnetism of a Triangular Lattice $BaVS_3$. Journal of the Physical Society of Japan, 2002, 71, 2361-2364.	1.6	12
67	^{59}Co Hyperfine Fields in $CaCo_2$ and $MgCo_2$. Physica Status Solidi (B): Basic Research, 2002, 232, 352-355.	1.5	2
68	Magnetism of $BaVSe_3$. Journal of the Physical Society of Japan, 2001, 70, 1768-1771.	1.6	8
69	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
70	Ferromagnetism of Sulfur Deficient $BaVS_3-\delta$. Journal of the Physical Society of Japan, 2000, 69, 3068-3071.	1.6	16
71	Spin freezing in geometrically frustrated \bar{I}^2 -Mn probed by muon spin relaxation. , 1999, 120/121, 639-643.		5
72	NMR study of the partially disordered state in the frustrated fcc antiferromagnet $GdInCu_4$. , 1999, 120/121, 257-262.		3

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73	Muon spin relaxation in spin gap state of BaVS ₃ . , 1999, 120/121, 633-637.		2
74	Time-reversal symmetry-breaking superconductivity in Sr ₂ RuO ₄ . Nature, 1998, 394, 558-561.	27.8	964
75	Possible Orbital Ordering in a Spin-Singlet Ground State:V ⁵¹ NMR and NQR study ofBaVS ₃ . Physical Review Letters, 1997, 79, 3779-3782.	7.8	43
76	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
77	Spin frustration in Y(Sc)Mn ₂ . , 1997, 104, 337-342.		8
78	Nuclear resonance measurements of CePd ₂ Ga ₃ . Zeitschrift für Physik B-Condensed Matter, 1997, 100, 395-400.	1.1	3
79	Spin-Liquid to Spin-Glass Transition inY(Sc)(Mn _{1-x} Al _x) ₂ : Polarized Neutron Scattering Study. Journal of the Physical Society of Japan, 1996, 65, 2779-2782.	1.6	14
80	Characteristic spin fluctuations in Y(Mn _{1-x} Al _x) ₂ . Journal of Physics F: Metal Physics, 1987, 17, 1781-1793.	1.6	59