

# Takeshi Waki

## List of Publications by Year in descending order

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61  
papers

835  
citations

516710

16  
h-index

552781

26  
g-index

64  
all docs

64  
docs citations

64  
times ranked

959  
citing authors

#	ARTICLE	IF	CITATIONS
1	Squeezing the periodicity of $\text{N}\ddot{\text{A}}\text{el}$ -type magnetic modulations by enhanced Dzyaloshinskii-Moriya interaction of 4d electrons. <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	9
2	The Origin of Uniaxial Anisotropy of La-Co co-Substituted M-type Ferrite. <i>Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2022, 69, 149-154.	0.2	0
3	Bismuth substitution at the strontium site in the magnetoplumbite-type Sr ferrite: Phase stability, structure, and magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 560, 169603.	2.3	1
4	Unconventional critical behaviors at the magnetic phase transition of $\text{Co}_3\text{Sn}_2\text{S}_2$ Kagomé ferromagnet. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 015801.	1.8	13
5	Single crystal synthesis and magnetic properties of $\text{Co}^{2+}$ -substituted and non-substituted magnetoplumbite-type $\text{La}$ ferrite. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121071.	2.9	5
6	Magnetic anisotropies of $\text{La}$ - $\text{Co}$ substituted M-type Sr hexaferrites studied by $^{57}\text{Fe}$ Mössbauer spectroscopy with external magnetic fields. <i>Journal of Applied Physics</i> , 2020, 128, 133901.	2.5	5
7	Phase Stability of Ce-Substituted Magnetoplumbite-Type Sr Ferrite. <i>IEEE Transactions on Magnetics</i> , 2020, 56, 1-4.	2.1	1
8	Co site preference and site-selective substitution in $\text{La}$ - $\text{Co}$ co-substituted magnetoplumbite-type strontium ferrites probed by $^{59}\text{Co}$ nuclear magnetic resonance. <i>JPhys Materials</i> , 2019, 2, 015007.	4.2	11
9	Single-crystal growth and magnetic properties of Co-substituted $\text{Ca}$ magnetoplumbite-type ferrite. <i>Journal of Solid State Chemistry</i> , 2019, 270, 366-369.	2.9	8
10	Magnetic domain structure within half-metallic ferromagnetic kagome compound $\text{C}_3\text{O}_3\text{S}_2\text{N}_2$ . <i>Journal of Applied Physics</i> , 2019, 121, 174102.	2.4	11
11	Effect of oxygen potential on Co solubility limit in $\text{La}$ - $\text{Co}$ co-substituted magnetoplumbite-type strontium ferrite. <i>Materials Research Bulletin</i> , 2018, 104, 87-91.	5.2	23
12	$^{57}\text{Fe}$ Mössbauer and $\text{Co K}\ddot{\text{I}}^2$ x-ray emission spectroscopic investigations of La-Co and La substituted strontium hexaferrite. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	8
13	Architecture of nanoscale ferroelectric domains in $\text{GaMo}_4\text{S}_8$ . <i>Journal of Physics Condensed Matter</i> , 2018, 30, 445402.	1.8	17
14	Possible Itinerant-Electron Canted Antiferromagnetism in Tetragonal Antiperovskite $\text{Cr}_3\text{AsN}$ . <i>Journal of the Physical Society of Japan</i> , 2017, 86, 104706.	1.6	3
15	Crystal structure and magnetic properties of the kagome-lattice shandite $\text{C}_3\text{O}_3\text{S}_2\text{N}_2$ . <i>Journal of Applied Physics</i> , 2017, 121, 174102.	3.2	59
16	Phase stability, single crystal growth, and anisotropic magnetic properties of $\text{Ca}$ - $\text{La}$ magnetoplumbite-type ferrite. <i>Journal of Solid State Chemistry</i> , 2017, 245, 17-22.	2.9	15
17	Quasi-two-dimensional magnetism in Cr-based MAX phases. <i>Journal of Physics: Conference Series</i> , 2017, 868, 012007.	0.4	1
18	Enhancement of Magnetism by Metal Clusterization in Itinerant Electron Magnet $\text{Fe}_3\text{Mo}_3\text{N}$ . <i>Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2017, 64, 180-184.	0.2	0

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19	Drastic effect of the Mn-substitution in the strongly correlated semiconductor $\text{FeSb}_2$ . Journal of Physics: Conference Series, 2017, 868, 012019.	0.4	2
20	Electron correlation in Pauli paramagnetic $\text{Cr}_2\text{AlC}$ , $\text{Cr}_2\text{GaC}$ and $\text{Cr}_2\text{GeC}$ . Journal of Physics: Conference Series, 2017, 868, 012016.	0.4	6
21	Flux growth of magnetoplumbite-type strontium ferrite single crystals with $\text{La}^{2+}$ - $\text{Co}$ co-substitution. Journal of Solid State Chemistry, 2016, 239, 153-158.	2.9	36
22	Site-dependent cobalt electronic state in $\text{La}^{2+}$ - $\text{Co}$ co-substituted magnetoplumbite-type ferrite: $^{59}\text{Co}$ nuclear magnetic resonance study. Journal of Physics Condensed Matter, 2016, 28, 346002.	1.8	9
23	Quasi-Two-Dimensional Magnetism in Co-Based Shandites. Journal of the Physical Society of Japan, 2016, 85, 064706.	1.6	26
24	Single-crystalline M-type Sr Hexaferrites studied by $^{57}\text{Fe}$ Mössbauer spectroscopy. Hyperfine Interactions, 2016, 237, 1.	0.5	29
25	Structure and magnetic properties of flux grown single crystals of $\text{Co}_3\text{Fe}_2\text{Sn}_2\text{S}_2$ shandites. Journal of Solid State Chemistry, 2016, 233, 8-13.	2.9	31
26	Single crystal growth and characterization of kagomé-lattice shandites $\text{Co}_3\text{Sn}_2\text{In}_2\text{S}_2$ . Journal of Crystal Growth, 2015, 426, 208-213.	1.5	43
27	Novel Magnetic Chiral Structures and Unusual Temperature Hysteresis in the Metallic Helimagnet $\text{MnP}$ . Journal of the Physical Society of Japan, 2014, 83, 054711.	1.6	17
28	$\text{La-Ni}$ Substituted M-type Sr Hexaferrite Studied by $^{57}\text{Fe}$ Mössbauer Spectroscopy. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, S266-S269.	0.2	3
29	Itinerant electron magnetism of $\hat{\Gamma}$ -carbides $\text{Co}_6\text{M}_6\text{C}$ and $\text{Ni}_6\text{M}_6\text{C}$ ( $\text{M}=\text{Mo}$ and $\text{W}$ ). Journal of Alloys and Compounds, 2013, 554, 21-24.	5.5	4
30	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
31	Observation of the Partial Fermi Surface Quenching in the Noncentrosymmetric Superconductor $\text{Mo}_3\text{Al}_2\text{C}$ . Journal of the Physical Society of Japan, 2012, 81, SB008.	1.6	2
32	Mössbauer effect of Ni-doped strontium ferrite. Hyperfine Interactions, 2012, 206, 115-118.	0.5	10
33	High- $T_C$ Ferromagnetic Semiconductor-Like Behavior and Unusual Electrical Properties in Compounds with a $2\hat{\Gamma}-2\hat{\Gamma}$ Superstructure of the Half-Heusler Phase. Chemistry - A European Journal, 2012, 18, 2536-2542.	3.3	8
34	HIP synthesis of $\hat{\Gamma}$ -carbide-type nitrides $\text{Fe}_3\text{W}_3\text{N}$ and $\text{Fe}_6\text{W}_6\text{N}$ and their magnetic properties. Journal of Alloys and Compounds, 2011, 509, 9451-9455.	5.5	9
35	Critical Phenomena in Long-Range RKKY Ising Spin Glasses. Journal of Physics: Conference Series, 2011, 320, 012051.	0.4	3
36	Interplay between quantum criticality and geometric frustration in $\text{Fe}_3\text{Mo}_3\text{N}$ with stella quadrangula lattice. Europhysics Letters, 2011, 94, 37004.	2.0	15

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37	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
38	Non-Fermi-Liquid Behavior on an Iron-Based Itinerant Electron Magnet $Fe_3Mo_3N$ . Journal of the Physical Society of Japan, 2010, 79, 043701.	1.6	17
39	Existence of a Phase Transition under Finite Magnetic Field in the Long-Range RKKY Ising Spin Glass $Dy_{1-x}Ru_2Si_2$ . Journal of the Physical Society of Japan, 2010, 79, 123704.	1.6	15
40	Itinerant Electron Metamagnetism in $\hat{I}$ -Carbide-Type Compound $Co_3Mo_3C$ . Journal of the Physical Society of Japan, 2010, 79, 093703.	1.6	11
41	$Ru_9Zn_7Sb_8$ : A Structure with a $2\sqrt{2} \times 2\sqrt{2}$ Supercell of the Half-Heusler Phase. Inorganic Chemistry, 2010, 49, 10536-10542.	4.0	13
42	Novel Ordered Phases in the Orthogonal Dimer Spin System $SrCu_2(BO_3)_2$ . Journal of the Physical Society of Japan, 2010, 79, 011005.	1.6	30
43	Band Jahn-Teller Instability and Formation of Valence Bond Solid in a Mixed-Valent Spinel Oxide $LiRh_2O_4$ . Physical Review Letters, 2008, 101, 086404.		55
44	Field dependence of the quantum ground state in the Shastry-Sutherland system $SrCu_2(BO_3)_2$ . Europhysics Letters, 2008, 81, 67004.	2.0	44
45	A Novel Ordered Phase in $SrCu_2(BO_3)_2$ under High Pressure. Journal of the Physical Society of Japan, 2007, 76, 073710.	1.6	37
46	Magnetic susceptibility at high fields of. Physica B: Condensed Matter, 2007, 398, 148-150.	2.7	7
47	Magnetic phase diagrams of quasi-one-dimensional alternating chain compound. Journal of Magnetism and Magnetic Materials, 2007, 310, 1349-1351.	2.3	2
48	Site-selective NMR in the quasi-1D conductor -. Journal of Physics and Chemistry of Solids, 2007, 68, 2143-2147.	4.0	7
49	Bi and Sr substitution effects on the spin-gap system $Pb_2V_3O_9$ . Physical Review B, 2006, 73, .	3.2	14
50	Triplon condensation of spin-gapped chain $Pb_2V_3O_9$ . Journal of Physics and Chemistry of Solids, 2005, 66, 1432-1434.	4.0	8
51	Observation of spin-singlet state in. Physica B: Condensed Matter, 2005, 359-361, 1309-1311.	2.7	2
52	2D NMR study in the novel superconductor. Physica B: Condensed Matter, 2005, 359-361, 485-487.	2.7	2
53	Observation of spin gap in $Pb_2V_3O_9$ . Physica B: Condensed Matter, 2005, 359-361, 1372-1374.	2.7	6
54	$^{59}Co$ NMR and NQR studies in the unconventional superconductor. Physica B: Condensed Matter, 2005, 359-361, 482-484.	2.7	7

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55	High Field ESR Study of 1D Alternating Chain System Pb <sub>2</sub> V <sub>3</sub> O <sub>9</sub> . Progress of Theoretical Physics Supplement, 2005, 159, 114-117.	0.1	5
56	Observation of Bose-Einstein Condensation of Triplons in Quasi 1D Spin-Gap System Pb <sub>2</sub> V <sub>3</sub> O <sub>9</sub> . Journal of the Physical Society of Japan, 2004, 73, 3435-3438.	1.6	39
57	Metal-Insulator Transition in Bi <sub>x</sub> V <sub>8</sub> O <sub>16</sub> :51V NMR Study. Journal of the Physical Society of Japan, 2004, 73, 275-279.	1.6	21
58	Physical properties of Ba <sub>1.09</sub> V <sub>8</sub> O <sub>16</sub> with hollandite structure. Physica B: Condensed Matter, 2003, 329-333, 938-939.	2.7	8
59	51V NMR study of the V Hollandite system, Bi <sub>x</sub> V <sub>8</sub> O <sub>16</sub> . Journal of Physics and Chemistry of Solids, 2002, 63, 961-964.	4.0	4
60	51V NMR Study of the V Hollandite System, Bi <sub>x</sub> V <sub>8</sub> O <sub>16</sub> : Spin-Singlet Formation Below M <sup>1</sup> Transition. Journal of the Physical Society of Japan, 2002, 71, 160-162.	1.6	0
61	Temperature-Induced Metal-Insulator Transition in Bi <sub>x</sub> V <sub>8</sub> O <sub>16</sub> . Journal of the Physical Society of Japan, 2001, 70, 325-328.	1.6	28