Takeshi Waki

List of Publications by Year
in descending order

61	835	516710 16	552781 26
papers	citations	h-index	g-index

64	64	64	959
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	d anomalous magnetic phase in the kagome-lattice shandite <mml:math 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	3.2	59
2	Band Jahn-Teller Instability and Formation of Valence Bond Solid in a Mixed-Valent Spinel Oxide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LiRh</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2008, 101, 086404.	7.8	55
3	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
4	Single crystal growth and characterization of kagomÃ©-lattice shandites Co3Sn2â^'In S2. Journal of Crystal Growth, 2015, 426, 208-213.	1.5	43
5	Observation of Boseâ€“Einstein Condensation of Triplons in Quasi 1D Spin-Gap System Pb2V3O9. Journal of the Physical Society of Japan, 2004, 73, 3435-3438.	1.6	39
6	A Novel Ordered Phase in SrCu₂(BO₃)₂ under High Pressure. Journal of the Physical Society of Japan, 2007, 76, 073710.	1.6	37
7	Flux growth of magnetoplumbite-type strontium ferrite single crystals with Laâ€“Co co-substitution. Journal of Solid State Chemistry, 2016, 239, 153-158.	2.9	36
8	Structure and magnetic properties of flux grown single crystals of Co3â^'Fe Sn2S2 shandites. Journal of Solid State Chemistry, 2016, 233, 8-13.	2.9	31
9	Novel Ordered Phases in the Orthogonal Dimer Spin System SrCu₂(BO₃)₂. Journal of the Physical Society of Japan, 2010, 79, 011005.	1.6	30
10	Single-crystalline M-type Sr Hexaferrites studied by 57Fe MÃ¶ssbauer spectroscopy. Hyperfine Interactions, 2016, 237, 1.	0.5	29
11	Temperature-Induced Metal-Insulator Transition in BixV8O16. Journal of the Physical Society of Japan, 2001, 70, 325-328.	1.6	28
12	Quasi-Two-Dimensional Magnetism in Co-Based Shandites. Journal of the Physical Society of Japan, 2016, 85, 064706.	1.6	26
13	Effect of oxygen potential on Co solubility limit in Laâ€“Co co-substituted magnetoplumbite-type strontium ferrite. Materials Research Bulletin, 2018, 104, 87-91.	5.2	23
14	Metalâ€“Insulator Transition in BixV8O16:51V NMR Study. Journal of the Physical Society of Japan, 2004, 73, 275-279.	1.6	21
15	Non-Fermi-Liquid Behavior on an Iron-Based Itinerant Electron Magnet Fe₃Mo₃N. Journal of the Physical Society of Japan, 2010, 79, 043701.	1.6	17
16	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
17	Architecture of nanoscale ferroelectric domains in GaMo₄S₈. Journal of Physics Condensed Matter, 2018, 30, 445402.	1.8	17
18	Existence of a Phase Transition under Finite Magnetic Field in the Long-Range RKKY Ising Spin Glass DyxY1-xRu2Si2. Journal of the Physical Society of Japan, 2010, 79, 123704.	1.6	15

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19	Interplay between quantum criticality and geometric frustration in Fe ₃ Mo ₃ N with stella quadrangula lattice. Europhysics Letters, 2011, 94, 37004.	2.0	15
20	Phase stability, single crystal growth, and anisotropic magnetic properties of Caâ€“La magnetoplumbite-type ferrite. Journal of Solid State Chemistry, 2017, 245, 17-22.	2.9	15
21	Bi and Sr substitution effects on the spin-gap systemPb2V3O9. Physical Review B, 2006, 73, .	3.2	14
22	Ru9Zn7Sb8: A Structure with a 2 Ã— 2 Ã— 2 Supercell of the Half-Heusler Phase. Inorganic Chemistry, 2010, 49, 10536-10542.	4.0	13
23	Unconventional critical behaviors at the magnetic phase transition of Co₃Sn₂S₂ kagomÃ© ferromagnet. Journal of Physics Condensed Matter, 2021, 33, 015801.	1.8	13
24	Itinerant Electron Metamagnetism in Î·-Carbide-Type Compound Co₃Mo₃C. Journal of the Physical Society of Japan, 2010, 79, 093703.	1.6	11
25	Co site preference and site-selective substitution in Laâ€“Co co-substituted magnetoplumbite-type strontium ferrites probed by ⁵⁹Co nuclear magnetic resonance. JPhys Materials, 2019, 2, 015007.	4.2	11
26	Magnetic domain structure within half-metallic ferromagnetic kagome compound <mml:math 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:msub><mml:mi mathvariant	2.4	11
27	MÃ¶ssbauer effect of Ni-doped strontium ferrite. Hyperfine Interactions, 2012, 206, 115-118.	0.5	10
28	HIP synthesis of Î·-carbide-type nitrides Fe3W3N and Fe6W6N and their magnetic properties. Journal of Alloys and Compounds, 2011, 509, 9451-9455.	5.5	9
29	Site-dependent cobalt electronic state in Laâ€“Co co-substituted magnetoplumbite-type ferrite:⁵⁹Co nuclear magnetic resonance study. Journal of Physics Condensed Matter, 2016, 28, 346002.	1.8	9
30	Squeezing the periodicity of NÃ©el-type magnetic modulations by enhanced Dzyaloshinskii-Moriya interaction of 4d electrons. Npj Quantum Materials, 2022, 7, .	5.2	9
31	Physical properties of Ba1.09V8O16 with hollandite structure. Physica B: Condensed Matter, 2003, 329-333, 938-939.	2.7	8
32	Triplon condensation of spin-gapped chain Pb2V3O9. Journal of Physics and Chemistry of Solids, 2005, 66, 1432-1434.	4.0	8
33	Highâ€T_C Ferromagnetic Semiconductorâ€Like Behavior and Unusual Electrical Properties in Compounds with a 2Ã—2Ã—2 Superstructure of the Halfâ€Heusler Phase. Chemistry - A European Journal, 2012, 18, 2536-2542.	3.3	8
34	Normal and Superconducting Properties of the Noncentrosymmetric Mo₃Al₂C. Journal of the Physical Society of Japan, 2013, 82, 073709.	1.6	8
35	57Fe MÃ¶ssbauer and Co KÎ² x-ray emission spectroscopic investigations of La-Co and La substituted strontium hexaferrite. Journal of Applied Physics, 2018, 123, .	2.5	8
36	Single-crystal growth and magnetic properties of Co-substituted Caâ€“La magnetoplumbite-type ferrite. Journal of Solid State Chemistry, 2019, 270, 366-369.	2.9	8

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37	59Co NMR and NQR studies in the unconventional superconductor. Physica B: Condensed Matter, 2005, 359-361, 482-484.	2.7	7
38	Magnetic susceptibility at high fields of. Physica B: Condensed Matter, 2007, 398, 148-150.	2.7	7
39	Site-selective NMR in the quasi-1D conductor -. Journal of Physics and Chemistry of Solids, 2007, 68, 2143-2147.	4.0	7
40	Observation of spin gap in Pb2V3O9. Physica B: Condensed Matter, 2005, 359-361, 1372-1374.	2.7	6
41	Electron correlation in Pauli paramagnetic Cr₂AlC, Cr₂GaC and Cr₂GeC. Journal of Physics: Conference Series, 2017, 868, 012016.	0.4	6
42	High Field ESR Study of 1D Alternating Chain System Pb2V3O9. Progress of Theoretical Physics Supplement, 2005, 159, 114-117.	0.1	5
43	Single crystal synthesis and magnetic properties of Co2+-substituted and non-substituted magnetoplumbite-type Naâ€“La ferrite. Journal of Solid State Chemistry, 2020, 282, 121071.	2.9	5
44	Magnetic anisotropies of Laâ€“Co substituted M-type Sr hexaferrites studied by 57Fe MÃ¶ssbauer spectroscopy with external magnetic fields. Journal of Applied Physics, 2020, 128, 133901.	2.5	5
45	51V NMR study of the V Hollandite system, BixV8O16. Journal of Physics and Chemistry of Solids, 2002, 63, 961-964.	4.0	4
46	Itinerant electron magnetism of Î·-carbides Co6M6C and Ni6M6C (M=Mo and W). Journal of Alloys and Compounds, 2013, 554, 21-24.	5.5	4
47	Critical Phenomena in Long-Range RKKY Ising Spin Glasses. Journal of Physics: Conference Series, 2011, 320, 012051.	0.4	3
48	La-Ni Substituted M-type Sr Hexaferrite Studied by 57Fe MÃ¶ssbauer Spectroscopy. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, S266-S269.	0.2	3
49	Possible Itinerant-Electron Canted Antiferromagnetism in Tetragonal Antiperovskite Cr3AsN. Journal of the Physical Society of Japan, 2017, 86, 104706.	1.6	3
50	Observation of spin-singlet state in. Physica B: Condensed Matter, 2005, 359-361, 1309-1311.	2.7	2
51	2D NMR study in the novel superconductor. Physica B: Condensed Matter, 2005, 359-361, 485-487.	2.7	2
52	Magnetic phase diagrams of quasi-one-dimensional alternating chain compound. Journal of Magnetism and Magnetic Materials, 2007, 310, 1349-1351.	2.3	2
53	Irreversible Phase Separation to Antiferromagnetic and Spin-Singlet States in the Square-Planar Metal-Cluster Compound V₄S₉Br₄. Journal of the Physical Society of Japan, 2011, 80, 073706.	1.6	2
54	Observation of the Partial Fermi Surface Quenching in the Noncentrosymmetric Superconductor Mo3Al2C. Journal of the Physical Society of Japan, 2012, 81, SB008.	1.6	2

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55	Drastic effect of the Mn-substitution in the strongly correlated semiconductor FeSb₂.. Journal of Physics: Conference Series, 2017, 868, 012019.	0.4	2
56	Quasi-two-dimensional magnetism in Cr-based MAX phases. Journal of Physics: Conference Series, 2017, 868, 012007.	0.4	1
57	Phase Stability of Ce-Substituted Magnetoplumbite-Type Sr Ferrite. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	1
58	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
59	Enhancement of Magnetism by Metal Clusterization in Itinerant Electron Magnet Fe₃Mo₃N. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2017, 64, 180-184.	0.2	0
60	51V NMR Study of the V Hollandite System, BixV8O16: Spin-Singlet Formation Below Mâ€“I Transition. Journal of the Physical Society of Japan, 2002, 71, 160-162.	1.6	0
61	The Origin of Uniaxial Anisotropy of La-Co co-Substituted M-type Ferrite. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2022, 69, 149-154.	0.2	0