

Kazuki Ohishi

List of Publications by Year in descending order

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128
papers

2,356
citations

304602

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45
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128
docs citations

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2356
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-Reversal Symmetry-Breaking Superconductivity in Heavy-Fermion PrOs ₄ Sb ₁₂ Detected by Muon-Spin Relaxation. <i>Physical Review Letters</i> , 2003, 91, 067003.	2.9	286
2	Skyrmion phase and competing magnetic orders on a breathing kagomé lattice. <i>Nature Communications</i> , 2019, 10, 5831.	5.8	214
3	Quasiparticle interference and superconducting gap in Ca _{2-x} NaxCuO ₂ Cl ₂ . <i>Nature Physics</i> , 2007, 3, 865-871.	6.5	155
4	Uniaxial stress control of skyrmion phase. <i>Nature Communications</i> , 2015, 6, 8539.	5.8	143
5	Coherence Factors in a High- <i>T_c</i> Cuprate Probed by Quasi-Particle Scattering Off Vortices. <i>Science</i> , 2009, 323, 923-926.	6.0	113
6	Topological transitions among skyrmion- and hedgehog-lattice states in cubic chiral magnets. <i>Nature Communications</i> , 2019, 10, 1059.	5.8	112
7	Magnetic and diffusive nature of LiFePO ₄ investigated by muon spin rotation and relaxation. <i>Physical Review B</i> , 2011, 84, .	1.1	65
8	Square and rhombic lattices of magnetic skyrmions in a centrosymmetric binary compound. <i>Nature Communications</i> , 2022, 13, 1472.	5.8	65
9	Direct Evidence of Confined Water in Room-Temperature Ionic Liquids by Complementary Use of Small-Angle X-ray and Neutron Scattering. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1175-1180.	2.1	59
10	Possible unconventional superconductivity in Na _x CoO ₂ ·yH ₂ O probed by muon spin rotation and relaxation. <i>Physical Review B</i> , 2004, 70, .	1.1	57
11	Muonium as a Shallow Center in GaN. <i>Physical Review Letters</i> , 2004, 92, 135505.	2.9	44
12	The Design and Resolution of the Small and Wide Angle Neutron Scattering Instrument (TAIKAN) in J-PARC. , 2015, , .		44
13	Possible Anisotropic Order Parameter in Pyrochlore Superconductor KOs ₂ O ₆ Probed by Muon Spin Rotation. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 1678-1681.	0.7	39
14	Magnetic Properties in Phase IV of Ce _{0.7} La _{0.3} B ₆ Studied by Muon Spin Relaxation. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 31-34.	0.7	35
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#	ARTICLE	IF	CITATIONS
19	Quasiparticle Excitations outside the Vortex Cores in MgB ₂ Probed by Muon Spin Rotation. Journal of the Physical Society of Japan, 2003, 72, 29-32.	0.7	32
20	Spin-triplet superconductivity in PrOs ₄ Sb ₁₂ probed by muon Knight shift. Physical Review B, 2007, 75, .	1.1	32
21	Nonlocal effects and shrinkage of the vortex core radius in YNi ₂ B ₂ C probed by muon spin rotation. Physical Review B, 2002, 65, .	1.1	27
22	Evolution of Local Magnetic State in SmRu ₄ P ₁₂ Probed by Muon Spin Relaxation. Journal of the Physical Society of Japan, 2007, 76, 053707.	0.7	27
23	Contrast variation by dynamic nuclear polarization and time-of-flight small-angle neutron scattering. I. Application to industrial multi-component nanocomposites. Journal of Applied Crystallography, 2016, 49, 2036-2045.	1.9	25
24	Muon spin relaxation and hyperfine-enhanced Pr ¹⁴¹ nuclear spin dynamics in Pr(Os,Ru) ₄ Sb ₁₂ and (Pr,La)Os ₄ Sb ₁₂ . Physical Review B, 2007, 76, .	1.1	22
25	Neutron scattering studies on short- and long-range layer structures and related dynamics in imidazolium-based ionic liquids. Journal of Chemical Physics, 2018, 149, 054502.	1.2	20
26	Anomalous Magnetic Phase in an Undistorted Pyrochlore Oxide Cd ₂ Os ₂ O ₇ Induced by Geometrical Frustration. Journal of the Physical Society of Japan, 2007, 76, 063703.	0.7	19
27	Spin fluctuation in LiV ₂ O ₄ studied by muon spin relaxation. Physical Review B, 2004, 69, .	1.1	18
28	Time-of-Flight Neutron Powder Diffraction Studies on a Chiral Two-dimensional Molecule-based Magnet. Journal of the Physical Society of Japan, 2004, 73, 2597-2600.	0.7	17
29	Magnetic Ground State of Pr _{0.89} LaCe _{0.11} CuO ₄ + \hat{x} - \hat{y} with Varied Oxygen Depletion Probed by Muon Spin Relaxation. Journal of the Physical Society of Japan, 2003, 72, 2955-2958.	0.7	16
30	Multifunctional nanocarrier as a potential micro-RNA delivery vehicle for neuroblastoma treatment. Journal of the Taiwan Institute of Chemical Engineers, 2019, 96, 526-537.	2.7	16
31	SR studies on in comparison with the time-reversal-symmetry-broken superconductor. Physica B: Condensed Matter, 2005, 359-361, 895-897.	1.3	15
32	Magnetism on Mg _{1-x} Zn _x CyNi ₃ . Journal of Physics and Chemistry of Solids, 2007, 68, 2178-2182.	1.9	15
33	Magnetic Phase Diagram of Hole-Doped Ca _{2-x} NaxCuO ₂ Cl ₂ Cuprate Superconductor. Journal of the Physical Society of Japan, 2005, 74, 2408-2412.	0.7	14
34	Muon spin rotation measurements of the superfluid density in fresh and aged superconducting $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Pu} \langle \text{mml:mi} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Co} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Ga} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. Physical Review B, 2007, 76, .	1.1	14
35	Quantized Hyperfine Field at an Implanted $\hat{1}/4$ +Site in PrPb ₃ : Interplay between Localized f Electrons and an Interstitial Charged Particle. Physical Review Letters, 2009, 102, 096403.	2.9	14
36	Unconventional Behavior of Field-induced Quasiparticle Excitation in Ca(Al _{0.5} Si _{0.5}) ₂ . Journal of the Physical Society of Japan, 2004, 73, 2631-2634.	0.7	13

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37	Possible Magnetic Chirality in Optically Chiral Magnet [Cr(CN) ₆][Mn(S)-pnH(H ₂ O)](H ₂ O) Probed by Muon Spin Rotation and Relaxation. Journal of the Physical Society of Japan, 2006, 75, 063705.	0.7	13
38	Possible Unconventional Superconductivity and Magnetism in CePt ₃ Si Probed by Muon Spin Rotation and Relaxation. Journal of the Physical Society of Japan, 2006, 75, 124713.	0.7	13
39	Magnetic scattering in the simultaneous measurement of small-angle neutron scattering and Bragg edge transmission from steel. Journal of Applied Crystallography, 2016, 49, 1659-1664.	1.9	13
40	Strong Correlation Between Field-induced Magnetism and Superconductivity in Pr _{0.89} LaCe _{0.11} CuO ₄ . Journal of the Physical Society of Japan, 2004, 73, 2944-2947.	0.7	12
41	Development of the heavy-fermion state in $Ce_{1-x}Th_xPt_3Si$ the effects of Ce dilution in		

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55	Anomalous field dependence of the vortex-core radius and magnetic penetration depth in YNi ₂ B ₂ C probed by μ SR. Physica B: Condensed Matter, 2000, 289-290, 377-380.	1.3	7
56	Magnetic penetration depth of a new boride superconductor Re ₃ B. Physica B: Condensed Matter, 2003, 326, 355-358.	1.3	7
57	Possible weak magnetism in MB ₆ (M:Ca, Ba) probed by muon spin relaxation and muon level-crossing resonance. Science and Technology of Advanced Materials, 2006, 7, 12-16.	2.8	7
58	Magnetism and superconductivity of an electron-doped superconductor. Physica B: Condensed Matter, 2006, 374-375, 207-210.	1.3	7
59	Time reversal symmetry breaking in and. Journal of Magnetism and Magnetic Materials, 2007, 310, 551-553.	1.0	7
60	Quasi-One-Dimensional Spin Dynamics in LiV ₂ O ₄ : One-to-Three-Dimensional Crossover as a Possible Origin of Heavy Fermion State. Journal of the Physical Society of Japan, 2012, 81, 014709.	0.7	7
61	Uniaxial-stress Effects on Helimagnetic Orders and Skyrmion Lattice in Cu ₂ OSeO ₃ . Journal of the Physical Society of Japan, 2018, 87, 094709.	0.7	7
62	Development of spin-contrast-variation neutron reflectometry for the structural analysis of multilayer films. Journal of Applied Crystallography, 2019, 52, 1054-1060.	1.9	7
63	Na Diffusion in Hard Carbon Studied with Positive Muon Spin Rotation and Relaxation. ACS Physical Chemistry Au, 2022, 2, 98-107.	1.9	7
64	μ SR study on filled skutterudite PrRu ₄ P ₁₂ . Physica B: Condensed Matter, 2005, 359-361, 850-852.	1.3	6
65	Correlation between Superconducting Carrier Density and Transition Temperature in NbB _{2+x} . Journal of the Physical Society of Japan, 2005, 74, 1386-1389.	0.7	6
66	Detection of Conduction Electron Spin Polarization in n-GaAs by Negative Muonium. Physics Procedia, 2012, 30, 231-234.	1.2	6
67	Chiral Magnetic Soliton Lattice in MnSi. , 2014, , .		6
68	Neutron diffraction study of antiferromagnetic ErNi ₃ Ga ₉ in magnetic fields. Physica B: Condensed Matter, 2018, 536, 392-396.	1.3	6
69	Metamagnetic transitions and magnetoelectric responses in the chiral polar helimagnet $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ni} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. Physical Review B, 2020, 102, .	1.1	6
70	Above-ordering-temperature large anomalous Hall effect in a triangular-lattice magnetic semiconductor. Science Advances, 2021, 7, eabl5381.	4.7	6
71	Negative Muon Spin Rotation and Relaxation Study on Battery Anode Material, Spinel Li ₄ Ti ₅ O ₁₂ . Journal of Physical Chemistry C, 2022, 126, 10506-10514.	1.5	6
72	μ SR Studies of Pu Metal and the Pu-based Superconductor PuCoGa ₅ . Journal of the Physical Society of Japan, 2006, 75, 14-19.	0.7	5

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73	Possible unconventional superconductivity and weak magnetism in $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$ probed by $\hat{1}/4$ SR. <i>Physica B: Condensed Matter</i> , 2006, 374-375, 274-277.	1.3	5
74	Magnetic correlations and superconductivity in revealed by SR. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 526-528.	1.0	5
75	Weak ferromagnetic ordering in the anomalous field-insensitive heavy-fermion state in. <i>Physica B: Condensed Matter</i> , 2009, 404, 757-760.	1.3	5
76	Novel features in filled skutterudites containing rare-earth elements with a plural number of 4f-electrons. <i>Physica B: Condensed Matter</i> , 2009, 404, 749-753.	1.3	5
77	How Li diffusion in spinel $\text{Li}[\text{Ni}_{1/2}\text{Mn}_{3/2}]\text{O}_4$ is seen with $\hat{1}/4$ SR. <i>Zeitschrift Fur Physikalische Chemie</i> , 2022, 236, 799-816.	1.4	5
78	Characterization of Deformation by Cold Rolling in Ferritic Steel Containing Cu Particles Using Neutron Transmission Analysis. <i>ISIJ International</i> , 2022, 62, 173-178.	0.6	5
79	Coexistence of the spin liquid state and the magnetic ordering in the spin ladder compound; $\text{Sr}_{14-x}\text{Ca}_x\text{Cu}_{24}\text{O}_{41}$. <i>Journal of Physics and Chemistry of Solids</i> , 1999, 60, 1039-1043.	1.9	4
80	The magnetic ordering in the spin ladder compound $\text{Sr}_{2.5}\text{Ca}_{11.5}\text{Cu}_{24}\text{O}_{41}$. <i>Physica B: Condensed Matter</i> , 2000, 289-290, 157-160.	1.3	4
81	Muon Knight shift measurements on in paraquadrupolar state. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 743-745.	1.0	4
82	Knight shift measurements in the superconducting state of probed by. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 620-622.	1.0	4
83	study of an layered organic superconductor $\hat{1}/4$ SR. <i>Journal of Physics and Chemistry of Solids</i> , 1999, 60, 1039-1043.	1.3	4
84	Muon knight shift measurements in CeCoIn_5 below 17 kOe. <i>Journal of Physics: Conference Series</i> , 2010, 225, 012013.	0.3	4
85	Quasiparticle excitations in newly discovered antiperovskite superconductor ZnNi_3 . <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S705-S706.	0.6	4
86	Identification of Various Coexisting Phases in Superconducting and Non-superconducting Samples of $\text{Rb}_x\text{Fe}_{2-y}\text{Se}_2$. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 044710.	0.7	4
87	Energy-resolved small-angle neutron scattering from steel. <i>Journal of Applied Crystallography</i> , 2017, 50, 334-339.	1.9	4
88	Development of spin-contrast-variation neutron powder diffractometry for extracting the structure factor of hydrogen atoms. <i>Journal of Applied Crystallography</i> , 2021, 54, 454-460.	1.9	4
89	Spontaneous formations of nanoconfined water in ionic liquids by small-angle neutron scattering. <i>Journal of Molecular Liquids</i> , 2021, , 117035.	2.3	4
90	Crystallization of magnetic skyrmions in MnSi investigated by neutron spin echo spectroscopy. <i>Physical Review Research</i> , 2020, 2, .	1.3	4

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91	Anomalous local magnetic shielding effect at muon site in Sr _{2.5} Ca _{11.5} Cu ₂₄ O ₄₁ and Ce _{0.99} Cu _{2.02} Si ₂ . Physica B: Condensed Matter, 2000, 289-290, 322-325.	1.3	3
92	Spatially Modulated Antiferromagnetism in Sr _{2.5} Ca _{11.5} Cu ₂₄ O ₄₁ Probed by Muon Spin Relaxation. Journal of the Physical Society of Japan, 2000, 69, 2427-2430.	0.7	3
93	$\frac{1}{4}$ SR measurements on the vortex lattice of CaAlSi: Anisotropic response in magnetic penetration depth. Journal of Physics and Chemistry of Solids, 2007, 68, 2124-2128.	1.9	3
94	study of organic antiferromagnet - under high pressure. Physica B: Condensed Matter, 2009, 404, 600-602.	1.3	3
95	Magnetization process of cubic Fe ₃ O ₄ submicron particles studied by polarized small-angle neutron scattering. AIP Advances, 2022, 12, .	0.6	3
96	Influence of Self-Irradiation Damage on the Pu-Based Superconductor PuCoGa ₅ Probed by Muon Spin Rotation. Journal of the Physical Society of Japan, 2006, 75, 53-55.	0.7	2
97	Isolated hydrogen center in wide gap semiconductors studied by $\frac{1}{4}$ SR. Physica B: Condensed Matter, 2006, 376-377, 444-446.	1.3	2
98	Low-energy spectroscopic mapping studies in optimally-doped Ca _{2-x} NaxCuO ₂ Cl ₂ . Physica C: Superconductivity and Its Applications, 2007, 460-462, 954-955.	0.6	2
99	study of the effects of Ce dilution on the development of the heavy-fermion state in. Journal of Physics and Chemistry of Solids, 2007, 68, 2068-2071.	1.9	2
100	Pilot experiment for muonium photo ionization in GaAs. Journal of Physics: Conference Series, 2010, 225, 012004.	0.3	2
101	$\frac{1}{4}$ diffusion in cubic f-electron compounds observed by high transverse field $\frac{1}{4}$ SR. Journal of Physics: Conference Series, 2010, 225, 012021.	0.3	2
102	Fast Spin Fluctuation Viewed by Muon Spin Relaxation in Optimally Doped and Overdoped Iron-Based Oxypnictide Superconductors LaFeAsO _{1-x} Fx. Journal of the Physical Society of Japan, 2011, 80, 024703.	0.7	2
103	Magnetic Penetration Depth in the FeAs-Based Superconductor KFe ₂ As ₂ . Journal of the Physical Society of Japan, 2012, 81, SB046.	0.7	2
104	Flux-line lattice state in FeAs-based superconductor KFe ₂ As ₂ . Journal of Physics: Conference Series, 2012, 400, 022087.	0.3	2
105	Magnetism and superconductivity in Rb _x Fe _{2-y} Se ₂ . Journal of the Korean Physical Society, 2013, 62, 1994-1996.	0.3	2
106	Proximity coupling of superconducting nanograins with fractal distributions. Physical Review B, 2020, 101, .	1.1	2
107	New magnetic intermediate state, $\frac{1}{4}$ phase, in the cubic chiral magnet MnSi. APL Materials, 2022, 10, .	2.2	2
108	Appearance of magnetic long-range order in the spin ladder compound. Physica B: Condensed Matter, 2000, 289-290, 165-167.	1.3	1

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109	Antiferromagnet (Ln,Ca)CuO _{2.5} near the quantum critical point (Ln=Pr,Nd). Physica B: Condensed Matter, 2000, 289-290, 168-171.	1.3	1
110	Excess quasiparticles outside the vortex cores in Y(Ni _{1-x} Pt _x) ₂ B ₂ C. Physica C: Superconductivity and Its Applications, 2003, 388-389, 197-198.	0.6	1
111	Magnetic response in the superconducting state of 1H-studied by SR. Physica B: Condensed Matter, 2006, 374-375, 251-254.	1.3	1
112	Magnetic and superconducting phase diagram in oxybromite cuprate. Physica B: Condensed Matter, 2006, 374-375, 75-78.	1.3	1
113	Magnetism and Superconductivity in CePt ₃ Si Probed by Muon Spin Relaxation. Journal of the Physical Society of Japan, 2006, 75, 180-182.	0.7	1
114	Magnetic properties of SmRu ₄ P ₁₂ probed by. Journal of Physics and Chemistry of Solids, 2007, 68, 2072-2075.	1.9	1
115	Magnetic penetration depth and self-induced irradiation effects in superconducting probed by muon spin rotation. Journal of Magnetism and Magnetic Materials, 2007, 310, 566-568.	1.0	1
116	Possible low-energy excitations of multipoles in probed by muon spin relaxation. Physica B: Condensed Matter, 2009, 404, 761-764.	1.3	1
117	μ SR study of CeRhIn ₅ under applied pressure. Journal of Physics: Conference Series, 2010, 225, 012011.	0.3	1
118	Gradual evolution in spin dynamics of TlCu _{1-x} Mg _x Cl ₃ probed by muon-spin-relaxation (μ SR) technique. Journal of Physics: Conference Series, 2014, 502, 012041.	0.3	1
119	Small Angle Neutron Scattering Study near the Critical Field at Low Temperature in MnSi. , 2021, , .		1
120	Magnetic Properties in Phase IV of Ce _{0.8} Nd _{0.2} B ₆ Studied by Muon Spin Relaxation. Journal of the Physical Society of Japan, 2002, 71, 118-120.	0.7	0
121	Investigation of Bulk Superconductivity in PrPt ₅ . Journal of the Physical Society of Japan, 2006, 75, 189-191.	0.7	0
122	Origin of n type conductivity in wide gap semiconductors studied by μ SR. Nuclear Physics, Section B, Proceedings Supplements, 2006, 155, 378-380.	0.5	0
123	Muon Knight shift measurements in possible octupole ordering system. Physica B: Condensed Matter, 2008, 403, 1647-1649.	1.3	0
124	Influence of self-irradiation on the magnitude of the superfluid density in probed by muon spin rotation. Physica B: Condensed Matter, 2008, 403, 1013-1014.	1.3	0
125	Magnetism and superconductivity in heavy fermion superconductor. Physica B: Condensed Matter, 2009, 404, 754-756.	1.3	0
126	Pressure effect on magnetic ground states in Tl(Cu _{1-x} Mg _x)Cl ₃ with $x = 0.015$ probed by muon-spin-rotation. Journal of Physics: Conference Series, 2010, 200, 022061.	0.3	0

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127	Magnetism in Ce ₂ Rh(In,Sn) ₈ heavy-fermion compound. Journal of Physics: Conference Series, 2010, 225, 012042.	0.3	0
128	Physical Properties in Flux Line Lattice State in MgB ₂ Probed by μ SR. Journal of the Physical Society of Japan, 2002, 71, 335-337.	0.7	0