

Shigeki Miyasaka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1694207/publications.pdf>

Version: 2024-02-01

144
papers

4,883
citations

109321

35
h-index

95266

68
g-index

145
all docs

145
docs citations

145
times ranked

4622
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Reversal of the Ferroelectric Polarization in a Multiferroic Spinel Oxide. Physical Review Letters, 2006, 96, 207204.	7.8	639
2	Large thermoelectric response of metallic perovskites: $\text{Sr}_{1-x}\text{La}_x\text{TiO}_3$ ($0 < x < 0.1$). Physical Review B, 2001, 63, .	3.2	570
3	Structural and magnetoelectric properties of $\text{Ga}_{2-x}\text{Fe}_x\text{O}_3$ single crystals grown by a floating-zone method. Physical Review B, 2004, 70, .	3.2	250
4	Spin-orbital phase diagram of perovskite-type RVO_3 (R=rare-earth ion or Y). Physical Review B, 2003, 68, .	3.2	195
5	Magnetic Neutron Scattering Study of YVO_3 : Evidence for an Orbital Peierls State. Physical Review Letters, 2003, 91, 257202.	7.8	136
6	Magnetic-field-induced transition in the lattice modulation of colossal magnetoelectric GdMnO_3 and TbMnO_3 compounds. Physical Review B, 2005, 72, .	3.2	127
7	Critical Behavior of Metal-Insulator Transition in $\text{La}_{1-x}\text{Sr}_x\text{VO}_3$. Physical Review Letters, 2000, 85, 5388-5391.	7.8	125
8	In-plane and out-of-plane magnetoresistance in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ single crystals. Physical Review B, 1996, 53, 8733-8742.	3.2	123
9	⁷⁵ As-NQR/NMR Studies on Oxygen-Deficient Iron-Based Oxypnictide Superconductors LaFeAsO_{1-y} ($y = 0, 0.25, 0.4$) and $\text{NdFeAsO}_{0.6}$. Journal of the Physical Society of Japan, 2008, 77, 093704.	1.6	122
10	Control of the ferroelectric properties of DyMn_2O_5 by magnetic fields. Physical Review B, 2004, 70, .	3.2	114
11	Anisotropy of Mott-Hubbard Gap Transitions due to Spin and Orbital Ordering in LaVO_3 and YVO_3 . Journal of the Physical Society of Japan, 2002, 71, 2086-2089.	1.6	102
12	Magnetic, Optical, and Magneto-optical Properties of Spinel-Type ACr_2X_4 ($\text{A} = \text{Mn, Fe, Co, Cu, Zn, Cd}$; $\text{X} = \text{O, S}$). J. Phys. Chem. B, 2000, 104, 10080-10086.	3.2	80
13	Neutron diffraction study of YVO_3 , NdVO_3 , and TbVO_3 . Physical Review B, 2006, 73, .	3.2	87
14	Semiconducting ferromagnetic states in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_4$. Physical Review B, 2006, 73, .	3.2	86
15	Multiple Gap Symmetries for the Order Parameter of Cuprate Superconductors from Penetration Depth Measurements. Physical Review Letters, 2007, 99, 237601.	7.8	85
16	Magnetic-field-induced polarization and depolarization in HoMn_2O_5 and ErMn_2O_5 . Physical Review B, 2005, 72, .	3.2	81
17	Nature of the Transition between a Ferromagnetic Metal and a Spin-Glass Insulator in Pyrochlore Molybdates. Physical Review Letters, 2007, 99, 086401.	7.8	78
18	Ferroelectric phase transitions of $\text{Eu}_3\text{M}_2\text{X}_4$ ($\text{M} = \text{Mn, Ni}$; $\text{X} = \text{O, S}$). Physical Review B, 2006, 73, 040401.	3.2	77

#	ARTICLE	IF	CITATIONS
19	Muon Spin Relaxation and Magnetic Susceptibility Measurements in the Haldane System ($Y_{2-x}Ca_x$)Ba(Ni $_{1-y}$ Mg $_y$)O $_5$. Physical Review Letters, 1995, 74, 3471-3474.	7.8	73
20	Raman study of spin and orbital order and excitations in perovskite-type RVO $_3$ (R=La, Nd, and Y). Physical Review B, 2006, 73, .	3.2	63
21	Specific heat of delafossite oxide $CuCr_{1-x}Mn_x$ Static Magnetic Order and Superfluid Density of $RFeAs$. Physical Review B, 2008, 77, 040407.	3.2	60
22			

#	ARTICLE	IF	CITATIONS
37	Spinâ€ˆLattice Coupling in Ferroelectric Spiral Magnets: Comparison between the Cases of (Tb,Dy)MnO ₃ and CoCr ₂ O ₄ . Journal of the Physical Society of Japan, 2007, 76, 023602.	1.6	33
38	Gigantic Kerr rotation induced by adâ€™d transition resonance in MCr ₂ S ₄ (M=Mn,Fe). Physical Review B, 2005, 72, .	3.2	32
39	Doping Variation of Orbital Induced Anisotropy in the Electronic Structure of La ^{1-x} Sr _x VO ₃ . Physical Review Letters, 2006, 97, 196401.	7.8	32
40	Magnetic and transport properties of delafossite oxides. Journal of Magnetism and Magnetic Materials, 2007, 310, 890-892.	2.3	32
41	Evolution of the phase diagram of LaFeP Thermoelectric response in the incoherent transport region near Mott transition: The case study of $\text{La}_{1-x}\text{Sr}_x\text{VO}_3$	3.2	32
42	Emergence of Novel Antiferromagnetic Order Intervening between Two Superconducting Phases in $\text{LaFe}(\text{As}_{1-x}\text{P}_x)(\text{O}_{1-x}\text{F}_x)_2$: ³¹ P-NMR Studies.	1.6	31
43	Crystal and magnetic structure of CeVO ₃ . European Physical Journal B, 2008, 64, 27-34.	1.5	29
44	Magnetic Field Switching between the Two Orbital-Ordered States in DyVO_3 .	7.8	26
45	Mott-Anderson Transition Controlled by a Magnetic Field in Pyrochlore Molybdate. Physical Review Letters, 2006, 96, 116403.	7.8	24
46	Enhancement of superconducting transition temperature due to antiferromagnetic spin fluctuations in iron pnictides $\text{LaFe}(\text{As}_{1-x}\text{P}_x)(\text{O}_{1-x}\text{F}_x)_2$: ³¹ P-NMR studies. Physical Review B, 2014, 89, .	3.2	24
47	Orbital ordering in RVO ₃ (R=Y,Tb) controlled by hydrostatic pressure. Physical Review B, 2008, 78, .	3.2	23
48	Systematic Study on Fluorine-Doping Dependence of Superconducting and Normal State Properties in $\text{LaFePO}_{1-x}\text{F}_x$. Journal of the Physical Society of Japan, 2009, 78, 114712.	1.6	22
49	Unconventional multiband superconductivity with nodes in single-crystalline $\text{SrFe}_2(\text{As}_{0.65}\text{P}_{0.35})_2$ as seen via ³¹ P NMR and specific heat. Physical Review B, 2012, 85, .	3.2	21
50	Variation of the charge dynamics in bandwidth- and filling-controlled metal-insulator transitions of pyrochlore-type molybdates. Physical Review B, 2006, 73, .	3.2	20
51	Two Fermi Surface States and Two T _c -Rising Mechanisms Revealed by Transport Properties in $\text{RFe}_{1-x}\text{As}_x\text{O}_{9.9}\text{F}_{0.1}$ (R = La, Pr, and Nd). Journal of the Physical Society of Japan, 2013, 82, 124706.	1.6	20
52	Evolution of local electronic states from a metal to a correlated insulator in a NiS_2 - S_x solid solution. Physical Review B, 2004, 70, .	3.2	17
53	Comparative study of the effects of electron irradiation and natural disorder in single crystals of $\text{SrFe}_2(\text{O}_{1-x}\text{F}_x)_2$	3.2	16
54			

Physical Review B, 2014, 90, .

#	ARTICLE	IF	CITATIONS
55	Optical phase diagram of perovskite colossal magnetoresistance manganites near half doping. Physical Review B, 2008, 77, 155501. Effects of cation-size variance on spin and orbital orders in Eu MnO_3 $\text{http://www.w3.org/1998/Math/MathML}$ display="inline">EuMnO_3	3.2	15

56

#	ARTICLE	IF	CITATIONS
73	Importance of Fermi Surface Topology for In-Plane Resistivity Anisotropy in Hole- and Electron-Doped $\text{Ba}(\text{Fe}_{1-x}\text{TM}_x)_2\text{As}_2$ (TM = Cr, Mn, and Co). <i>Journal of the Physical Society of Japan</i> , 2015, 84, 094707.	1.6	10
74	Investigation of Precursor Superconducting State in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ through In-Plane Optical Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 023701.	1.6	10
75	Dopant-Dependent Impact of Mn-Site Doping on Critical-State Manganites $\text{R}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ (R = La, Nd, Sm, and Gd). <i>Journal of the Physical Society of Japan</i> , 2008, 77, 124712.	1.6	9
76	Non-monotonic change of electronic properties by As substitution in $\text{LaFeP}(\text{O},\text{F})$. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S298-S299.	1.2	9
77	Single Crystal Growth and Physical Properties of $\text{SrFe}_2(\text{As}_{1-x}\text{Px})_2$. <i>Journal of the Physical Society of Japan</i> , 2012, 81, S045.	1.6	9
78	Coexistence of the Pseudogap and the Superconducting Gap Revealed by the c -Axis Optical Study of $\text{YBa}_2(\text{Cu}_{1-x}\text{Zn}_x)_3\text{O}_{7-\delta}$. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 033701.	1.6	9
79	Importance of d_{xy} orbital and electron correlation in iron-based superconductors revealed by phase diagram for 1111-system. <i>Scientific Reports</i> , 2021, 11, 10006.	3.3	9
80	Multipole polaron in the devil's staircase of CeSb . <i>Nature Materials</i> , 2022, 21, 410-415.	27.5	9
81	Magnetic Phase Diagrams of YVO_3 and TbVO_3 under High Pressure. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 024715.	1.6	8
82	TAIPAN: First Results from the Thermal Triple-axis Spectrometer at OPAL Research Reactor. <i>Journal of Physics: Conference Series</i> , 2012, 340, 012003.	0.4	8
83	Optical Study of Electron-Doped Cuprate $\text{Pr}_{1.3}\text{La}_{0.7}\text{Ce}_x\text{CuO}_{4+\delta}$ in Under-Doped Regime: Revisit the Phase Diagram. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 043705.	1.6	8
84	^{151}Sm NMR experiments on a haldane system $(\text{Y}_{1-x}\text{Ca}_x)_2\text{BaNiO}_5$. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 1657-1658.	2.3	7
85	Resonant inverse photoemission study of NiS_2 . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 92, 77-80.	1.7	7
86	Optical study of BaFe_2Mn_2 under pressure: Coexistence of spin-density-wave gap and superconductivity. <i>Physical Review B</i> , 2015, 92, .	3.2	7
87	Curie temperature enhancement with reserving a reasonable magnetoresistance by Pr substitution in $\text{Ba}_2\text{FeMoO}_6$. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 435, 1-8.	2.3	7
88	Orbital ordered states in RVO_3 (R = Y, Tb) studied by a resonant x-ray scattering. <i>Journal of Physics: Conference Series</i> , 2009, 150, 042010.	0.4	6
89	Softening of Bond Stretching Phonon Mode in $\text{Ba}_{1-x}\text{K}_x\text{BiO}_3$ Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010, 23, 1385-1389.	1.8	6
90	Searching for key parameter for determining T_c in Fe-based superconductors: Study of P/As substitution in $\text{RFe}(\text{P},\text{As})(\text{O},\text{F})$ [R = La and Nd]. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 414-417.	4.0	6

#	ARTICLE	IF	CITATIONS
91	In-plane optical spectra of $Y_{1-x}Ca_xBa_2Cu_3O_{7-\delta}$: Overdoping and disorder effects on residual conductivity. Physical Review B, 2011, 84, .	3.2	6
92	High- T_c iron phosphide superconductivity enhanced by reemergent antiferromagnetic spin fluctuations in SrO_6 layers. Physical Review B, 2019, 100, .	3.2	6
93	Correlation between Tc and Transport Properties in PrFeP _{1-x} As _x O _{0.9F0.1} . Journal of the Physical Society of Japan, 2012, 81, SB043.	1.6	5
94	Double pair breaking peak in Raman scattering spectra of the triple-layer cuprate Bi ₂ Sr ₂ Ca ₂ Cu ₃ O _{10+z} . Physical Review B, 2018, 98, .	3.2	5
95	Search for magnetic order in undoped and doped spin-gap systems by ^{17}O NMR. Physical Review B, 1997, 104, 37-42.		4
96	Pressure effects on the orbital ordered state of $La_{1-x}Sr_xFe_2As_2$. Journal of Magnetism and Magnetic Materials, 2007, 310, 785-786.	2.3	4
97	Effects of Anisotropy and Local Crystal Structure on Superconductivity in $La_{1-x}Sr_xFe_2As_2$. Journal of Magnetism and Magnetic Materials, 2007, 310, 785-786.		4
98	Carrier localization due to local magnetic order induced by magnetic impurities in $La_{1-x}Sr_xFe_2As_2$. Physical Review B, 2016, 94, .		4
99	Electrical contacts to thin layers of $Bi_2Sr_2CaCu_2O_{8+\delta}$. Applied Physics Express, 2018, 11, 053201.	2.4	4
100	Superconducting gap and nematic resonance at the quantum critical point observed by Raman scattering in $BaFe_2As_2$. Physical Review B, 2020, 101, .	1.2	4
101	Cr- and Mo-Doping Effects on Structural and Orbital Order Phase Transition in Spinel-Type MnV ₂ O ₄ . Journal of the Physical Society of Japan, 2012, 81, SB030.	1.6	3
102	Multi-frequency ESR in EuFe ₂ As ₂ . Journal of the Korean Physical Society, 2013, 62, 2007-2010.	0.7	3
103	Multilayer effects in Bi ₂ Sr ₂ Ca ₂ Cu ₃ O _{10+z} superconductors. Superconductor Science and Technology, 2019, 32, 113001.	3.5	3
104	B_{1g} -Phonon Anomaly Driven by Fermi Surface Instability at Intermediate Temperature in $La_{1-x}Sr_xFe_2As_2$. Physical Review B, 2016, 94, .	7.8	3
105	Resistivity, magnetic susceptibility and specific heat studies in superconductor $LaFePO_{0.95F0.05}$. Journal of Physics: Conference Series, 2009, 150, 052164.	0.4	2
106	Resonant X-ray scattering study of perovskite-type vanadate RVO ₃ . Diamond Light Source Proceedings, 2010, 1, .	0.1	2
107	Effect of impurity doping on Fe site of LaFePO _{0.95F0.05} . Physica C: Superconductivity and Its Applications, 2010, 470, S330-S331.	1.2	2
108	Low-energy excitations and stripes in superconducting cuprate La _{1.87} Sr _{0.13} CuO ₄ . Solid State Communications, 2011, 151, 1681-1685.	1.9	2

#	ARTICLE	IF	CITATIONS
109	Intrinsic gapless superconductivity in overdoped (Y,Ca)Ba ₂ Cu ₃ O _y : Study of in-plane optical spectra. <i>Physica C: Superconductivity and Its Applications</i> , 2011, 471, 701-703.	1.2	2
110	Quantitative Comparison between Electronic Raman Spectra and Angle-resolved Photoemission Spectra in Superconducting State of Bi ₂ 212. <i>Physics Procedia</i> , 2013, 45, 41-44.	1.2	2
111	Ce electronic states in Nd _{0.45} x _{0.55} Ce _x Sr _{0.55} MnO ₃ probed by x-ray absorption spectroscopy and photoemission. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 415601.	1.8	2
112	Suppression of Superconductivity around x = 0.5-0.7 in LaFe _{1-x} As _x O _{0.95} F _{0.05} . , 2014, , .		2
113	Scanning tunneling spectroscopy on SrFe ₂ (As _{1-x} P _x) ₂ . <i>Physical Review B</i> , 2016, 93, .	3.2	2
114	Observation of a Pseudogap in the Vicinity of the Metal-Insulator Transition in the Perovskite-type Vanadium Oxides Nd _{1-x} Sr _x VO ₃ . <i>Journal of the Physical Society of Japan</i> , 2018, 87, 024708.	1.6	2
115	Polarization-dependent X-ray photoemission spectroscopy for High-T _c cuprate superconductors. <i>Physica B: Condensed Matter</i> , 2018, 536, 843-846.	2.7	2
116	Local electronic and magnetic properties of ferro-orbital-ordered FeV ₂ O ₄ . <i>Japanese Journal of Applied Physics</i> , 2018, 57, 0902BD.	1.5	2
117	Change of Fermi surface states related with two different T _c -raising mechanisms in iron pnictide superconductors. <i>Physical Review B</i> , 2018, 98, .	3.2	2
118	Enhanced Superconductivity in Close Proximity to Polar-Nonpolar Structural Phase Transition in Se/Te-Substituted PtBi ₂ . <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	1.6	2
119	Enhanced superconductivity and moderate spin fluctuations suppressed at low energies in heavily electron-doped La ₁₁₁₁ -based superconductor. <i>Physical Review B</i> , 2022, 105, .	3.2	2
120	Dimensionality of the electronic states in studied by soft X-ray photoemission. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 816-818.	2.3	1
121	Soft- and Hard-X-ray Photoemission Spectroscopy of La _{2-2x} Sr _{1+2x} Mn ₂ O ₇ . <i>Journal of the Physical Society of Japan</i> , 2012, 81, SB069.	1.6	1
122	Reflective Terahertz Time-Domain Spectroscopy Measurement on the Stripe-Ordered Superconductor La _{1.84-y} Nd _y Sr _{0.16} CuO ₄ . <i>Journal of the Physical Society of Japan</i> , 2012, 81, SB034.	1.6	1
123	Nature of low-energy excitations in La _{1.87} Sr _{0.13} CuO ₄ superconducting cuprate. <i>JETP Letters</i> , 2012, 94, 708-713.	1.4	1
124	Precursor Superconductivity and Superconducting Fluctuation Regime Revealed by the C-axis Optical Spectra of YBa ₂ (Cu _{1-x} Zn _x) ₃ O _y . <i>Physics Procedia</i> , 2013, 45, 45-48.	1.2	1
125	Power-Law Dependence of Low-Temperature Magnetic Specific Heat for Hole-Doped Delafossite CuCr _{1-x} Mg _x O ₂ . <i>Journal of the Physical Society of Japan</i> , 2013, 82, 065001.	1.6	1
126	Single Crystal Growth of Nd-1111 Iron Pnictide Superconductors by High Pressure Synthesis. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
127	Reemergent phase of antiferromagnetic order in iron-based superconductor LaFe(As _{1-x} P _x)O probed by ³¹ P-NMR. Journal of Physics: Conference Series, 2015, 592, 012072.	0.4	1
128	Optical investigation of $\text{BaFe}_{1-x}\text{Ni}_x\text{P}_2$: Spin-fluctuation-mediated superconductivity under pres. Physical Review B, 2017, 95, .	3.2	1
129	Electronic Structure of Sr _{1-y} Ca _y Fe ₂ (As _{1-x} P _x) ₂ (x = 0.25, y = 0.08) Revealed by Angle-Resolved Photoemission Spectroscopy. Journal of the Physical Society of Japan, 2019, 88, 084701.	1.6	1
130	Effect of Cr substitution for V in Sr ₂ VFeAsO ₃ . Superconductor Science and Technology, 2019, 32, 064003.	3.5	1
131	Quantitative Comparison between Electronic Raman Scattering and Angle-Resolved Photoemission Spectra in Bi ₂ Sr ₂ CaCu ₂ O ₈ + <i>t'</i> Superconductors: Doping Dependence of Nodal and Antinodal Superconducting Gaps. Journal of the Physical Society of Japan, 2019, 88, 044710.	1.6	1
132	Photoinduced melting of the orbital order in a perovskite-type vanadate LaVO ₃ . Journal of Luminescence, 2004, 108, 185-188.	3.1	0
133	⁷⁵ As-NQR Study on Iron-Based Oxyphnictide Superconductor LaFeAsO _{0.6} . Journal of the Physical Society of Japan, 2008, 77, 140-141.	1.6	0
134	⁵⁷ Fe-NMR study on iron-oxyphnictide superconductor LaFeAsO _{1-y} . Journal of Physics: Conference Series, 2010, 200, 012132.	0.4	0
135	Er L3-edge resonant elastic X-ray scattering study of orbital ordering in ErVO ₃ . Diamond Light Source Proceedings, 2011, 1, .	0.1	0
136	Pseudogap Study Using <i>c</i> -axis Optical Spectra of Underdoped YBa ₂ Cu ₃ O _{7-<i>t</i>'} . Journal of the Physical Society of Japan, 2012, 81, SB035.	1.6	0
137	Transport Properties of the Iron-based Superconductor SrFe ₂ (As,P) ₂ in High Magnetic Fields. Journal of Low Temperature Physics, 2013, 170, 346-351.	1.4	0
138	Superconducting Gap Symmetry of LaFeP(O,F) Observed by Impurity Doping Effect. Symmetry, 2016, 8, 80.	2.2	0
139	Superconductivity and Antiferromagnetic Spin Fluctuations in LaFe(As _{1-x} P _x) ₂ (O _{1-y} F _y) probed by ³¹ P-NMR. Journal of Physics: Conference Series, 2017, 807, 052006.	0.4	0
140	Elastic properties of iron-based superconductor SrFe ₂ (As _{1-x} P _x) ₂ . Physica B: Condensed Matter, 2018, 536, 757-760.	2.7	0
141	Band-dependent superconducting gap in SrFe ₂ (As _{0.65} P _{0.35}) ₂ studied by angle-resolved photoemission spectroscopy. Scientific Reports, 2019, 9, 16418.	3.3	0
142	NMR investigations toward understanding the variety of ground states in iron-based superconductors. Journal of Physics: Conference Series, 2021, 1975, 012008.	0.4	0
143	Antiferromagnetic Spin Fluctuations Enhancing Superconducting Transition Temperature in LaFeAsO-Based High- <i>T_c</i> Superconductors. , 2014, , .		0
144	Observation of bands with orbital character near the Fermi level in NdFeAs _{1-x} P _x . Physical Review B, 2022, 105, .	3.2	0