

# Jun Sugiyama

## List of Publications by Year in descending order

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241  
papers

4,043  
citations

126907

33  
h-index

168389

53  
g-index

243  
all docs

243  
docs citations

243  
times ranked

3169  
citing authors

#	ARTICLE	IF	CITATIONS
1	How Li diffusion in spinel $\text{Li}[\text{Ni}_{1/2}\text{Mn}_{3/2}]\text{O}_4$ is seen with $\mu\text{SR}$ . Zeitschrift Fur Physikalische Chemie, 2022, 236, 799-816.	2.8	5
2	Na Diffusion in Hard Carbon Studied with Positive Muon Spin Rotation and Relaxation. ACS Physical Chemistry Au, 2022, 2, 98-107.	4.0	7
3	Repeatable Photoinduced Insulator-to-Metal Transition in Yttrium Oxyhydride Epitaxial Thin Films. Chemistry of Materials, 2022, 34, 3616-3623.	6.7	8
4	Negative Muon Spin Rotation and Relaxation Study on Battery Anode Material, Spinel $\text{Li}_4\text{Ti}_5\text{O}_{12}$ . Journal of Physical Chemistry C, 2022, 126, 10506-10514.	3.1	6
5	Pressure dependence of ferromagnetic phase boundary in $\text{BaVSe}_3$ studied with high-pressure $\mu\text{SR}$ . Physical Review B, 2021, 103, .	3.2	7
6	Structural Transition with a Sharp Change in the Electrical Resistivity and Spin-Orbit Mott Insulating State in a Rhenium Oxide, $\text{Sr}_3\text{Re}_2\text{O}_9$ . Inorganic Chemistry, 2021, 60, 507-514.	4.0	4
7	Na-ion mobility in P2-type $\text{Na}_{0.5}\text{Mg}_x\text{Ni}_{0.17}\text{Mn}_{0.83}\text{O}_2$ (0 $\leq x \leq$ 0.07) from electrochemical and muon spin relaxation studies. Physical Chemistry Chemical Physics, 2021, 23, 24478-24486.	2.8	7
8	Intertwined magnetic sublattices in the double perovskite compound $\text{LaSrNiReO}_6$ . Physical Review B, 2020, 102, .	3.2	4
9	Nuclear magnetic field in $\text{Na}_{0.7}\text{MnO}_2$ detected with $\mu\text{SR}$ . Physical Review B, 2020, 102, .	3.2	7
10	Magnetism and ion diffusion in honeycomb layered oxide $\text{K}_2\text{Ni}_2\text{TeO}_6$ . Scientific Reports, 2020, 10, 18305.	3.3	21
11	$\text{A}_{1-x}\text{NaNiO}_2$ -type antiferromagnet with muon spin rotation measurements and density functional theory calculations. Physical Review B, 2020, 102, .	3.2	4
12	Magnetic phase boundary of $\text{BaVS}_3$ clarified with high-pressure $\mu\text{SR}$ . Physical Review B, 2020, 101, .	3.2	8
13	Nondestructive High-Sensitivity Detections of Metallic Lithium Deposited on a Battery Anode Using Muonic X-rays. Analytical Chemistry, 2020, 92, 8194-8200.	6.5	26
14	Investigation of ionic and anomalous magnetic behavior in $\text{CrSe}_2$ using $^7\text{Li}$ -NMR. RSC Advances, 2020, 10, 8190-8197.	3.6	3
15	Li diffusion in $\text{LiMnO}_2$ . Neutron powder diffraction study of $\text{LiMnO}_2$ and $\text{LiMnO}_4$ . Physical Review Research, 2020, 2, .	3.6	15
16	Neutron powder diffraction study of $\text{LiMnO}_2$ and $\text{LiMnO}_4$ . Physical Review Research, 2020, 2, .	3.6	2
17	Battery Materials Research with Muon Beam. , 2019, , .		0
18	Bi-Arrhenius Diffusion and Surface Trapping of $^7\text{Li}$ in Rutile $\text{TiO}_2$ . Physical Review Letters, 2019, 123, 095901.	7.8	2

#	ARTICLE	IF	CITATIONS
19	Desorption reaction in $\text{MgH}_{2}$ studied with <i>in situ</i> $^{1/4}\text{SR}$ . Sustainable Energy and Fuels, 2019, 3, 956-964.	4.9	9
20	Spin polarized beam for battery materials research: $\mu\text{SR}$ and $^{1/4}\text{NMR}$ . Hyperfine Interactions, 2019, 240, 1.	0.5	2
21	Linear Trimer Formation with Antiferromagnetic Ordering in $1\text{T-CrSe}_{2}$ Originating from Peierls-like Instabilities and Interlayer $\text{Se-Se}$ Interactions. Inorganic Chemistry, 2019, 58, 14304-14315.	4.0	25
22	Magnetic phase diagram of $\text{K}_{2}\text{Cr}_{8}\text{O}_{16}$ clarified by high-pressure muon spin spectroscopy. Scientific Reports, 2019, 9, 1141.	3.3	15
23	Magnetic moment of rare-earth elements in $\text{B}_{2}\text{R}$ estimated with $^{1/4}\text{SR}$ . Physical Review Materials, 2019, 3, .	2.4	6
24	Investigation of the Magnetic Properties of $\text{Na}_{0.7}\text{CoO}_{2}$ Prepared by Electrochemical Reaction. , 2018, , .		2
25	$^{1/4}\text{SR}$ Investigation of the Sutherland Compound $\text{SrCu}_{2}(\text{BO}_{3})_{2}$ . , 2018, , .		2
26	Magnetism of the $\text{A}_{3}\text{CaCu}_{3}\text{O}_{12}\text{La}$ -site ordered perovskites and $\text{La}(\mu^{+})\text{SR}$ Study of Superconductivity in the Thin Film Battery Material $\text{LiTi}_{2}\text{O}_{4}$ . , 2018, , .	3.2	6
27	LE- $(\mu^{+})\text{SR}$ Study of Superconductivity in the Thin Film Battery Material $\text{LiTi}_{2}\text{O}_{4}$ . , 2018, , .		1
28	Detection of Li in Li-ion Battery Electrode Materials by Muonic X-ray. , 2018, , .		3
29	Magnetic Spin Correlations in the One-dimensional Frustrated Spin-chain System $\text{Ca}_{3}\text{Co}_{2}\text{O}_{6}$ . , 2018, , .		1
30	Observation of Li Diffusion in Cathode Sheets of Li-ion Battery by $^{1/4}\text{SR}$ . , 2018, , .		0
31	On the Use of $^{31}\text{Mg}$ for $^{1/4}\text{NMR}$ Studies of Solids. , 2018, , .		1
32	Challenge for Detecting the Interface between Electrode and Electrolyte with $^{1/4}\text{NMR}$ . , 2018, , .		1
33	Internal Magnetic Field on the Two-Dimensional Triangular Lattice Formed by $\text{Mo}_{3}\text{O}_{8}$ Trimers. , 2018, , .		0
34	$^{1/4}\text{SR}$ Study of $\text{K}_{2}\text{Cr}_{8}\text{O}_{16}$ Under Hydrostatic Pressure. , 2018, , .		1
35	$^{1/4}\text{SR}$ Study on Li Ionic Conductors. , 2018, , .		2
36	$^{1/4}\text{SR}$ Study on Layered Chromium Perovskites: $\text{Sr}_{n+1}\text{Cr}_{n}\text{O}_{3n+1}$ ( $n=1-3$ ). , 2018, , .		2

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37	A-site Ordered Chromium Perovskites, ACu <sub>3</sub> Cr <sub>4</sub> O <sub>12</sub> with A = Trivalent Ions. , 2018, , .		0
38	Deviation of Internal Magnetic Field in the CrSe <sub>2</sub> Triangular Lattice with Li Intercalation. , 2018, , .		2
39	Na Diffusion in Quasi One-Dimensional Ion Conductor NaMn <sub>2</sub> O <sub>4</sub> Observed by $\frac{1}{4}$ SR. , 2018, , .		5
40	Nuclear Magnetic Field in Solids Detected with Negative-Muon Spin Rotation and Relaxation. Physical Review Letters, 2018, 121, 087202.	7.8	22
41	Magnetic structure for NaCr <sub>2</sub> O <sub>4</sub> analyzed by neutron diffraction and muon spin-rotation. Physica B: Condensed Matter, 2018, 551, 137-141.	2.7	4
42	Li-Diffusion in Spinel Li[Ni <sub>1/2</sub> Mn <sub>3/2</sub> ]O <sub>4</sub> Powder and Film Studied with $\frac{1}{4}$ +SR. , 2018, , .		0
43	Measurement and <i>ab initio</i> calculation of the structural parameters and physical properties of 3d transition intermetallics TiM <sub>3</sub> P (M = Cr, Mn, Fe, Co, or Ni). Materials Research Express, 2017, 4, 046505.		4
44	$\hat{2}$ -NMR measurements of molecular-scale lithium-ion dynamics in poly(ethylene oxide)-lithium-salt thin films. Journal of Chemical Physics, 2017, 146, 244903.	3.0	5
45	Lithium diffusion in spinel $\text{LiTi}_2\text{O}_4$ and $\text{LiTi}_2\text{O}_4$ Physical Review B, 2017, 96, .	3.2	19
46	Li-ion diffusion in Li intercalated graphite C <sub>6</sub> Li and C <sub>12</sub> Li probed by $\frac{1}{4}$ SR. Physical Chemistry Chemical Physics, 2017, 19, 19058-19066.	2.8	43
47	Study on Hydrogen Storage Materials. Journal of the Physical Society of Japan, 2016, 85, 091012.	1.6	9
48	Operando Measurement of Solid Electrolyte Interphase Formation at Working Electrode of Li-Ion Battery by Time-Slicing Neutron Reflectometry. ACS Applied Materials & Interfaces, 2016, 8, 9540-9544.	8.0	61
49	Magnetic order on the metallic triangular lattice in CrSe <sub>2</sub> by $\frac{1}{4}$ SR. Physical Review B, 2016, 94, .	3.2	13
50	Static Magnetic Order in A-site Ordered Perovskite, LaCu <sub>3</sub> Cr <sub>4</sub> O <sub>12</sub> , Probed with Muon Spin Spectroscopy. Physics Procedia, 2015, 75, 435-442.	1.2	4
51	Magnetic Ground State of Novel Zigzag Chain Compounds, NaCr <sub>2</sub> O <sub>4</sub> and Ca <sub>1-x</sub> NaxCr <sub>2</sub> O <sub>4</sub> , Determined with Muons and Neutrons. Physics Procedia, 2015, 75, 868-875.	1.2	5
52	Variation of magnetic ground state of Sr <sub>1-x</sub> Ca <sub>x</sub> Co <sub>2</sub> P <sub>2</sub> determined with $\frac{1}{4}$ SR. Physical Review B, 2015, 91, .	3.2	12
53	Li-ion diffusion in $\text{LiTi}_2\text{O}_4$ and $\text{LiTi}_2\text{O}_4$ Physical Review B, 2015, 92, .	3.2	55
54	Magnetic Phases in Sr <sub>1-x</sub> Ca <sub>x</sub> Co <sub>2</sub> P <sub>2</sub> Studied by $\frac{1}{4}$ +SR. Physics Procedia, 2015, 75, 426-434.	1.2	1

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55	Dynamics across the structural transitions at elevated temperatures in Na <sub>0.7</sub> Co <sub>2</sub> . EPJ Web of Conferences, 2015, 83, 02008.	0.3	8
56	Magnetic anomalies and itinerant character of electrochemically Li-inserted Li <sub>1/3</sub> Ti <sub>5/3</sub> O <sub>4</sub> . Physical Chemistry Chemical Physics, 2015, 17, 22652-22658.	2.8	7
57	Unveiled magnetic transition in Na battery material: $\mu$ +SR study of P2-Na <sub>0.5</sub> VO <sub>2</sub> . RSC Advances, 2015, 5, 18531-18537.	3.6	2
58	Li-Ion Dynamics in Li <sub>5+x</sub> La <sub>3</sub> Zr <sub>x</sub> Nb <sub>2</sub> O <sub>12</sub> . , 2014, , .		1
59	Structural, magnetic, and diffusive nature of olivine-type Na <sub>x</sub> FePO <sub>4</sub> . Journal of Physics: Conference Series, 2014, 551, 012012.	0.4	5
60	Microscopic magnetic nature of K <sub>2</sub> NiF <sub>4</sub> -type 3d transition metal oxides. Journal of Physics: Conference Series, 2014, 551, 012011.	0.4	11
61	Thermally activated spin fluctuations in stoichiometric LiCoO <sub>2</sub> clarified by electron paramagnetic resonance and variation of local magnetic environments in olivine-type compounds.	3.2	21
62	Na <sub>0.7</sub> P <sub>4</sub> O <sub>4</sub> and Fe <sub>2</sub> O <sub>4</sub> clarified with $\mu$ +SR study.	3.2	7
63	Na <sub>0.7</sub> VO <sub>4</sub> clarified with $\mu$ +SR study.	3.2	27
64	Understanding composition-property relationships in Ti-Cr-V-Mo alloys for optimisation of hydrogen storage in pressurised tanks. Physical Chemistry Chemical Physics, 2014, 16, 16563-16572.	2.8	8
65	$\mu$ -NMR Measurements of Lithium Ion Transport in Thin Films of Pure and Lithium-Salt-Doped Poly(ethylene oxide). Journal of the American Chemical Society, 2014, 136, 7833-7836.	13.7	25
66	Interrelationship between Number of Mobile Protons, Diffusion Coefficient, and AC Conductivity in Superprotonic Conductors, CsHSO <sub>4</sub> and Rb <sub>3</sub> H(SeO <sub>4</sub> ) <sub>2</sub> . Journal of the Physical Society of Japan, 2014, 83, 074604.	1.6	3
67	Lithium diffusive behavior in Li <sub>2</sub> MnO <sub>3</sub> detected by muon-spin relaxation. Solid State Ionics, 2014, 262, 901-903.	2.7	11
68	Li diffusive behavior of garnet-type oxides studied by muon-spin relaxation and QENS. Solid State Ionics, 2014, 262, 585-588.	2.7	27
69	Internal magnetic field in the zigzag-chain family (Na,Ca)Cr <sub>2</sub> O <sub>4</sub> . Journal of Physics: Conference Series, 2014, 551, 012013.	0.4	4
70	Magnetic phase diagram of Sr <sub>1-x</sub> Ca <sub>x</sub> Co <sub>2</sub> P <sub>2</sub> . Journal of Physics: Conference Series, 2014, 551, 012010.	0.4	3
71	Na-ion dynamics in Quasi-1D compound NaV <sub>2</sub> O <sub>4</sub> . Journal of Physics: Conference Series, 2014, 551, 012035.	0.4	13
72	Water-enhanced Adhesion at Interface in Immiscible Bilayer Film of Polystyrene and Poly(methyl) Tj ETQq0 0 0 rgBT/QOverlock 10 Tf 50 6	0.4	2

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73	Lithium Diffusion & Magnetism in Battery Cathode Material $\text{Li}_{1-x}\text{Ni}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ . Journal of Physics: Conference Series, 2014, 551, 012037.	0.4	13
74	In situ $\mu\text{SR}$ measurements on the hydrogen desorption reaction of magnesium hydride. Journal of Physics: Conference Series, 2014, 551, 012036.	0.4	5
75	Spin fluctuations above 100 K in stoichiometric $\text{LiCoO}_2$ . Journal of Physics: Conference Series, 2014, 551, 012008.	0.4	3
76	$^8\text{Li}$ -NMR study of epitaxial $\text{Li}_x\text{CoO}_2$ films. Journal of Physics: Conference Series, 2014, 551, 012009.	0.4	1
77	Magnetic order in the 2D Heavy-Fermion system $\text{CePt}_2\text{In}_7$ studied by $\mu\text{SR}$ . Journal of Physics: Conference Series, 2014, 551, 012028.	0.4	8
78	A Brief Survey of $^2\text{D}$ -Detected NMR of Implanted $^8\text{Li}$ in Organic Polymers. Journal of Physics: Conference Series, 2014, 551, 012039.	0.4	9
79	Proton Conductivity under Dry Conditions for Mesoporous Silica with Highly Dense Sulfonic Acid Groups. Journal of Physical Chemistry C, 2013, 117, 8727-8736.	3.1	15
80	Diffusive Behavior of Li Ions in Garnet $\text{Li}_5\text{La}_3\text{Zr}_x\text{Nb}_{2-x}\text{O}_{12}$	1.6	10
81	Muon-spin relaxation study on Li- and Na-diffusion in solids. Physica Scripta, 2013, 88, 068509.	2.5	69
82	Ion Diffusion in Solids Probed by Muon-Spin Spectroscopy. Journal of the Physical Society of Japan, 2013, 82, SA023.	1.6	21
83	Reactive surface area of the $\text{Li}_x(\text{Co}_{1/3}\text{Ni}_{1/3}\text{Mn}_{1/3})\text{O}_2$ electrode determined by $\mu\text{SR}$ and electrochemical measurements. Physical Chemistry Chemical Physics, 2013, 15, 10402.	2.8	31
84	The gradient distribution of Ni ions in cation-disordered $\text{Li}[\text{Ni}_{1/2}\text{Mn}_{3/2}]\text{O}_4$ clarified by muon-spin rotation and relaxation ( $\mu\text{SR}$ ). RSC Advances, 2013, 3, 11634.	3.6	16
85	Magnetic structure of the metallic triangular antiferromagnet $\text{Ag}_2\text{NiO}_2$ . Journal of Physics Condensed Matter, 2013, 25, 286005.	1.8	7
86	1D to 2D Diffusion Inherently Linked to Structural Transitions in $\text{LiNa}_{0.7}\text{CoO}_2$ . Physical Review Letters, 2013, 110, 266401.	7.8	59
87	$\text{LiNa}_2\text{Mn}_3\text{O}_7$ probed by $\mu\text{SR}$ . Physical Review Letters, 2013, 110, 266401.	3.2	37
88	$\text{In}\text{-}\mu\text{SR}$ Operando Neutron Diffraction Studies of Transition Metal Hydrogen Storage Materials. Advanced Energy Materials, 2013, 3, 39-42.	19.5	7
89	Pressure dependence of magnetic transition temperature in $\text{Li}[\text{Li}_x\text{Mn}_{2-x}]\text{O}_4$ ( $0 \leq x \leq 1/3$ ) studied by muon spin rotation and relaxation. Journal of Applied Physics, 2013, 113, 053904.	2.5	3
90	Partially disordered spin structure in $\text{AgCrO}_2$ studied with $\mu\text{SR}$ . Physical Review Letters, 2013, 110, 266401.	3.2	8

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91	Diffusive behavior in Li $\frac{1}{4}$ SR study on ferromagnetic hollandite K $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 117-120.	3.2	25
92	Magnetic Order and Transitions in the Spin-web Compound Cu $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 142-145.	3.2	51
93	Microscopic Magnetic Nature of the Quasi-one-Dimensional Antiferromagnet BaCo $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 146-150.	1.2	8
94	The Magnetic Phase of Lithium Transition Metal Phosphates LiMPO $\frac{1}{4}$ SR (M=Mn, Co, Ni) Detected by $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 160-163.	1.2	11
95	Spin State Transitions in RECoO $\frac{1}{4}$ SR Investigated by $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 182-185.	1.2	0
96	Ferromagnetic Hollandite K $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 186-189.	1.2	3
97	Magnetic and Diffusive Nature of LiFePO $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 190-193.	1.2	4
98	Critical Slowing Down in Zn-Mg-Ho Quasicrystal Physics Procedia, 2012, 30, 194-197.	1.2	1
99	Magnetic Order and Frustrated Dynamics in Li(Ni $\frac{1}{4}$ SR and SQUID Magnetometry) Physics Procedia, 2012, 30, 202-205.	1.2	3
100	Successive Magnetic Transitions in RECoAsO Physics Procedia, 2012, 30, 262-265.	1.2	0
101	Magnetic Nature of Water Intercalated Na $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 266-270.	1.2	1
102	Scaling of superionic transition temperature in M $\frac{1}{4}$ SR Solid State Ionics, 2012, 225, 40-42.	2.7	3
103	Frustration and magnetism of the zigzag chain compounds Eu $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 202-205.	3.2	13
104	Magnetic and diffusive nature of LiFePO $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 202-205.	3.2	65
105	Magnetic and diffusive nature of LiFePO $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 202-205.	3.2	65
106	Magnetic and diffusive nature of LiFePO $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 202-205.	3.2	65
107	Magnetic and diffusive nature of LiFePO $\frac{1}{4}$ SR Physics Procedia, 2012, 30, 202-205.	3.2	65
108	Magnetic properties of the chemically delithiated Li $\frac{1}{4}$ SR Journal of Solid State Chemistry, 2011, 184, 1096-1104.	2.9	22

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109	Interrelationship between Li+diffusion, charge, and magnetism in Li <sub>7</sub> Mn <sub>2</sub> O <sub>4</sub> and Li <sub>71.1</sub> Mn <sub>1.9</sub> O <sub>4</sub> spinels: Elastic, inelastic, and quasielastic neutron scattering. Physical Review B, 2011, 83, .	3.2	18
110	Successive magnetic transitions and static magnetic order in RCoAsO (R=La, Ce, Pr, Nd, Sm, Gd) confirmed by muon-spin rotation and relaxation. Physical Review B, 2011, 84, .	3.2	12
111	Electrochemical Properties of Hexa-peri-hexabenzocoronene in Nonaqueous Lithium Cell. Electrochemical and Solid-State Letters, 2011, 14, A52.	2.2	6
112	$\mu$ SR study on triangular antiferromagnet LiCrO <sub>2</sub> . Journal of Physics: Conference Series, 2010, 225, 012016.	0.4	2
113	Microscopic indicator for thermodynamic stability of hydrogen storage materials provided by muon-spin spectroscopy. Journal of Physics: Conference Series, 2010, 225, 012051.	0.4	1
114	Comparative $\mu$ SR study of the zigzag chain compounds NaMn <sub>2</sub> O <sub>4</sub> & LiMn <sub>2</sub> O <sub>4</sub> . Journal of Physics: Conference Series, 2010, 225, 012017.	0.4	6
115	Muon-spin Spectroscopy for Materials Science. Materia Japan, 2010, 49, 515-520.	0.1	0
116	Microscopic magnetic nature of water absorbed Na <sub>0.35</sub> CoO <sub>2</sub> investigated by NMR, NQR and $\mu$ SR. Physica C: Superconductivity and Its Applications, 2010, 470, S755-S757.	1.2	4
117	Structural, magnetic, and electrochemical studies on lithium insertion materials LiNi <sub>1-x</sub> CoxO <sub>2</sub> with 0 ≤ x ≤ 0.25. Journal of Solid State Chemistry, 2010, 183, 1726-1732.	2.9	18
118	Muon spin relaxation study of misfit-layered cobalt dioxide. Solid State Communications, 2010, 150, 307-310.	1.9	8
119	DC-magnetization measurements on electrochemically delithiated. Solid State Communications, 2010, 150, 906-909.	1.9	6
120	An Indicator to Identify the Li[Ni <sub>1/2</sub> Mn <sub>3/2</sub> ]O <sub>4</sub> (P4 <sub>3</sub> 2): DC-Susceptibility Measurements. Journal of the Electrochemical Society, 2010, 157, A672.	2.9	24
121	Low-temperature magnetic properties and high-temperature diffusive behavior of LiNiO <sub>2</sub> . Physical Review B, 2010, 82, .	3.2	60
122	Incommensurate spin-density-wave order in quasi-one-dimensional metallic antiferromagnet NaV <sub>2</sub> O <sub>7</sub> . Physical Review B, 2010, 81, .	3.2	27
123	Magnetic phase of the perovskite CaCrO <sub>3</sub> with $\mu$ SR. Physical Review B, 2010, 81, .	3.2	9
124	Magnetic structure of the zigzag chain family Na <sub>x</sub> Ca <sub>1-x</sub> V <sub>2</sub> O <sub>4</sub> determined by muon-spin rotation. Physical Review B, 2010, 82, .	3.2	25
125	Phase separation in the CoO <sub>2</sub> observed in thermoelectric layered cobalt dioxides. Physical Review B, 2010, 81, .	3.2	7
126	Short-range spin correlations in bulk magnetization, neutron diffraction, and $\mu$ SR experiments. Physical Review B, 2010, 81, .	3.2	9



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127	Microscopic indicator for thermodynamic stability of hydrogen storage materials provided by positive muon-spin rotation. <i>Physical Review B</i> , 2010, 81, .	3.2	13
128	Magnetic and superconducting nature of $\text{Na}_{0.35}\text{MnO}_2$ . <i>Physical Review B</i> , 2010, 82, .	3.2	13
129	Microscopic Magnetic Study on the Nominal Composition $\text{Li}_{1/3}\text{Mn}_{5/3}\text{O}_4$ by Muon-Spin Rotation/Relaxation Measurements. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11320-11327.	3.1	20
130	Structural and Magnetic Nature for Fully Delithiated $\text{Li}_x\text{NiO}_2$ : Comparative Study between Chemically and Electrochemically Prepared Samples. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8626-8632.	3.1	9
131	A novel tool for detecting Li diffusion in solids containing magnetic ions; $^{1/4}\text{S}$ R study on $\text{Li}_x\text{CoO}_2$ . <i>Journal of Physics: Conference Series</i> , 2010, 225, 012052.	0.4	1
132	Long Range Proton Diffusive Motion of $\text{CsHSO}_4$ and $\text{CsHSeO}_4$ : High Energy Resolution Quasielastic Neutron Scattering of Superprotonic Conductors. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 7-11.	1.6	7
133	Li Diffusion in $\text{Li}_x\text{CoO}_2$ by Muon-Spin Spectroscopy. <i>Physical Review Letters</i> , 2009, 103, 147601.	1.6	7
134	Muon spin rotation and relaxation study of $\text{Ba}_2\text{Mn}_2\text{O}_7$ . <i>Physical Review B</i> , 2009, 80, .	3.2	11
135	Comparative Muon-Spin Rotation and Relaxation Study on the Zigzag Chain Compounds $\text{NaMn}_2\text{O}_4$ and $\text{Li}_{0.92}\text{Mn}_2\text{O}_4$ . <i>Journal of the Physical Society of Japan</i> , 2009, 78, 084715.	1.6	11
136	Interrelationship between superprotonic conductivity and strain in $\text{CsHXO}_4$ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 3470-3472.	2.1	3
137	Microscopic magnetic nature of layered cobalt dioxides investigated by muon-spin rotation and relaxation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 305-308.	1.6	0
138	Study of hydrogen diffusion in superprotonic ionic conductors, $\text{MHXO}_4$ , by $^{1/4}\text{SR}$ and QENS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 316-318.	1.6	2
139	Static magnetic order on the triangular lattice in with. <i>Physica B: Condensed Matter</i> , 2009, 404, 663-666.	2.7	1
140	Magnetic phase diagram of () spinel. <i>Physica B: Condensed Matter</i> , 2009, 404, 656-659.	2.7	4
141	Paramagnetic nature of the layered cobalt dioxide with a double rocksalt-type layer. <i>Physica B: Condensed Matter</i> , 2009, 404, 607-610.	2.7	2
142	study on. <i>Physica B: Condensed Matter</i> , 2009, 404, 645-648.	2.7	10
143	Muon dynamics in superprotonic conductors. <i>Physica B: Condensed Matter</i> , 2009, 404, 798-800.	2.7	0
144	Complex magnetic phases in with. <i>Physica B: Condensed Matter</i> , 2009, 404, 789-792.	2.7	3



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163	Spatial inhomogeneity of magnetic moments in the cobalt oxide spinel $\text{Co}_3\text{O}_4$ . Physical Review B, 2007, 75, .	3.2	77
164	Microscopic magnetic and structural nature of spinel $\text{Li}[\text{Li}_x\text{Mn}_{2-2x}]\text{O}_4$ . Physical Review B, 2007, 75, .	3.2	24
165	Magnetic Phase Diagram of Layered Cobalt Dioxide $\text{Li}_{1-x}\text{CoO}_2$ . Physical Review Letters, 2007, 99, 087601.	7.8	66
166	Magnetic nature of $\text{K}_x\text{CoO}_2$ near the antiferromagnetic phase with $x=0.5$ : Positive muon spin rotation and relaxation. Physical Review B, 2007, 76, .	3.2	22
167	Neutron diffraction and $^1\text{H}$ NMR study on the antiferromagnet $\text{BaCoO}_3$ . Physical Review B, 2007, 76, .	3.2	26
168	Microscopic magnetism in lithium insertion materials of $\text{LiNi}_{1-x}\text{Co}_x\text{O}_2$ ( $x=0, 1/4, 1/2, 3/4, \text{ and } 1$ ). Journal of Power Sources, 2007, 174, 843-846.	7.8	15
169	Two dimensionality in quasi-one-dimensional cobalt oxides confirmed by muon-spin spectroscopy. Journal of Magnetism and Magnetic Materials, 2007, 310, 2719-2721.	2.3	4
170	Magnetic properties of one-dimensional compounds ( $\text{Sr}, \text{Ba}$ ). Journal of Magnetism and Magnetic Materials, 2007, 310, e438-e440.	2.3	10
171	Antiferromagnetic spin structure in below 15K determined by neutron and. Journal of Physics and Chemistry of Solids, 2007, 68, 2162-2165.	4.0	2
172	Magnetism and lithium diffusion in $\text{Li}_x\text{CoO}_2$ by a muon-spin rotation and relaxation ( $^1\text{H}$ +SR) technique. Journal of Power Sources, 2007, 174, 711-715.	7.8	10
173	Evidence of Two Dimensionality in Quasi-One-Dimensional Cobalt Oxides. Physical Review Letters, 2006, 96, 197206.	7.8	46
174	Incommensurate spin density wave state in layered cobaltites. Physica B: Condensed Matter, 2006, 374-375, 282-285.	2.7	1
175	Two dimensionality in quasi-one-dimensional cobalt oxides. Physica B: Condensed Matter, 2006, 374-375, 286-289.	2.7	1
176	Spin state transition in Ca-doped $\text{Na}_{0.7}\text{CoO}_2$ with the nominal Co valence below 3.16. Solid State Communications, 2006, 137, 36-40.	1.9	3
177	Frustrated magnetism in the two-dimensional triangular lattice of. Physica B: Condensed Matter, 2006, 374-375, 148-151.	2.7	6
178	Static Magnetic Order in Metallic $\text{K}_{0.49}\text{CoO}_2$ . Physical Review Letters, 2006, 96, 037206.	7.8	22
179	Incommensurate magnetic order in $\text{Ag}_2\text{NiO}_2$ studied with muon-spin-rotation and relaxation spectroscopy. Physical Review B, 2006, 73, .	3.2	38
180	Electron correlation in the two-dimensional triangular lattice of with. Physica B: Condensed Matter, 2005, 359-361, 1345-1347.	2.7	0

#	ARTICLE	IF	CITATIONS
181	Platelet crystals of thermoelectric layered cobaltites; pure and Sr-doped. Journal of Crystal Growth, 2005, 276, 519-524.	1.5	17
182	The effect of pressure on the spin density wave transition in the layered cobaltites [Ca <sub>2</sub> CoO <sub>3</sub> ] <sub>0.62</sub> [CoO <sub>2</sub> ] and [Ca <sub>2</sub> Co <sub>4/3</sub> Cu <sub>2/3</sub> O <sub>4</sub> ] <sub>0.62</sub> [CoO <sub>2</sub> ]. Solid State Communications, 2005, 135, 263-267.	1.9	1
183	Appearance of a two-dimensional antiferromagnetic order in quasi-one-dimensional cobalt oxides. Physical Review B, 2005, 72, .	3.2	52
184	Frustrated magnetism in the two-dimensional triangular lattice of Li <sub>x</sub> CoO <sub>2</sub> . Physical Review B, 2005, 72, .	3.2	65
185	Enhancement of Electrical Conductivity in Thermoelectric [Ca <sub>2</sub> CoO <sub>3</sub> ] <sub>0.62</sub> [CoO <sub>2</sub> ] Ceramics by Texture Improvement. Japanese Journal of Applied Physics, 2004, 43, 5134-5139.	1.5	29
186	Chemical pressure effect on magnetic properties in electron-doped perovskite manganites (Gd <sub>0.08</sub> Ca <sub>y</sub> Sr <sub>0.92-3y</sub> )MnO <sub>3</sub> (0 < y < 1): Percolation transition of ferromagnetic clusters. Physical Review B, 2004, 70, .	3.2	20
187	Dome-Shaped Magnetic Phase Diagram of Thermoelectric Layered Cobaltites. Physical Review Letters, 2004, 92, 017602.	7.8	106
188	Electron correlation in the two-dimensional triangle lattice of Na <sub>x</sub> CoO <sub>2</sub> . Physical Review B, 2004, 69, .	3.2	44
189	Fabrication of textured thermoelectric layered cobaltites with various rock salt-type layers by using $\beta$ -Co(OH) <sub>2</sub> platelets as reactive templates. Journal of Materials Chemistry, 2004, 14, 61-66.	6.7	108
190	$^{59}\text{Co}$ SR studies on layered cobalt oxides. Physica B: Condensed Matter, 2003, 326, 518-521.	2.7	9
191	$^{59}\text{Co}$ SR studies on thermoelectric oxides. Physica B: Condensed Matter, 2003, 329-333, 902-903.	2.7	1
192	Topotactic synthesis of highly-textured thermoelectric cobaltites. Journal of Materials Chemistry, 2003, 13, 1865.	6.7	65
193	Anisotropic magnetic properties of Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> : Evidence for a spin-density-wave transition at 27 K. Physical Review B, 2003, 67, .	3.2	90
194	Hidden magnetic transitions in the thermoelectric layered cobaltite [Ca <sub>2</sub> CoO <sub>3</sub> ] <sub>0.62</sub> [CoO <sub>2</sub> ]. Physical Review B, 2003, 68, .	3.2	111
195	Static magnetic order in Na <sub>0.75</sub> CoO <sub>2</sub> detected by muon spin rotation and relaxation. Physical Review B, 2003, 67, .	3.2	108
196	A common behaviour of thermoelectric layered cobaltites: incommensurate spin density wave states in [Ca <sub>2</sub> Co <sub>4/3</sub> Cu <sub>2/3</sub> O <sub>4</sub> ] <sub>0.62</sub> [CoO <sub>2</sub> ] and [Ca <sub>2</sub> CoO <sub>3</sub> ] <sub>0.62</sub> [CoO <sub>2</sub> ]. Journal of Physics Condensed Matter, 2003, 15, 8619-8630.	1.8	16
197	Highly Textured Na <sub>x</sub> CoO <sub>2</sub> -DELTA. Ceramics Fabricated by Both Templated Grain Growth and Reactive Templated Grain Growth Methods Using Single-Crystalline Particles as Templates. Journal of the Ceramic Society of Japan, 2003, 111, 227-231.	1.3	14
198	Electronic structure of misfit-layered calcium cobaltite. Physical Review B, 2002, 66, .	3.2	110

#	ARTICLE	IF	CITATIONS
199	Magnetism of layered cobalt oxides investigated by muon spin rotation and relaxation. Physical Review B, 2002, 66, .	3.2	116
200	A new variety of LiMnO <sub>2</sub> : high-pressure synthesis and magnetic properties of tetragonal and cubic phases of Li <sub>x</sub> Mn <sub>1-x</sub> O (x <sup>1/4</sup> 0.5). Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 84, 224-232.	3.5	9
201	Neutron Scattering Study of the Charge Ordering and the Spin Ordering of the Magnetically Frustrated Spinel Antiferromagnet. Journal of the Physical Society of Japan, 1999, 68, 242-246.	1.6	30
202	Antiferromagnetic transition of spinel LiMn <sub>2</sub> O <sub>4</sub> detected by a <sup>7</sup> Li-NMR technique. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 54, 73-78.	3.5	10
203	The effect of oxygen deficiency on the structural phase transition and electronic and magnetic properties of the spinel. Journal of Physics Condensed Matter, 1997, 9, 1729-1741.	1.8	45
204	A <sup>7</sup> Li-NMR Study on Spinel LiMn <sub>2</sub> O <sub>4</sub> : the Evidence of an Antiferromagnetic Transition at <sup>1/4</sup> 40 K. Journal of the Physical Society of Japan, 1997, 66, 1187-1194.	1.6	32
205	A <sup>7</sup> Li nuclear magnetic resonance study on spinel LiMn <sub>2</sub> O <sub>4</sub> . Journal of Power Sources, 1997, 68, 637-640.	7.8	5
206	Nonstoichiometry and defect structure of spinel LiMn <sub>2</sub> O <sub>4</sub> . Journal of Power Sources, 1997, 68, 641-645.	7.8	43
207	Oxygen nonstoichiometry of spinel LiMn <sub>2</sub> O <sub>4</sub> . Journal of Alloys and Compounds, 1996, 235, 163-169.	5.5	45
208	Electrical and magnetic properties of (Ca <sub>1-x</sub> A <sub>x</sub> ) <sub>2</sub> MnO <sub>4</sub> (A=La and Na). Physical Review B, 1996, 53, 14470-14474.	3.2	11
209	Elastic properties of superconducting Pb <sub>(1+x)/2</sub> Cu <sub>(1-x)/2</sub> (Sr <sub>1-y</sub> Ca <sub>y</sub> ) <sub>2</sub> (Y <sub>1-x</sub> Ca <sub>x</sub> )Cu <sub>2</sub> O <sub>7</sub> . Physica C: Superconductivity and Its Applications, 1995, 242, 63-67.	1.2	3
210	Elastic anomalies in Sr <sub>0.9</sub> NbO <sub>3</sub> detected by a vibrating reed technique. Solid State Communications, 1995, 95, 181-184.	1.9	2
211	Elastic/anelastic behaviour during the phase transition in spinel LiMn <sub>2</sub> O <sub>4</sub> . Journal of Physics Condensed Matter, 1995, 7, 9755-9764.	1.8	40
212	Photoelectron spectroscopic study of Sr <sub>x</sub> NbO <sub>3</sub> . Physical Review B, 1994, 49, 3534-3538.	3.2	30
213	Synthesis and electrical conductivity of spinel compounds in the Mg[Ti <sub>2</sub> ]O <sub>4</sub> -Mg[MgTi]O <sub>4</sub> system. Physical Review B, 1994, 49, 1462-1465.	3.2	8
214	Analysis of O1s core-level of p- and n-type high-T <sub>c</sub> copper oxides: Evidence for a different nature of carrier doping. Journal of Physics and Chemistry of Solids, 1993, 54, 1199-1202.	4.0	1
215	An NMR study of superconducting Nd <sub>2</sub> CuO <sub>3</sub> . Physica C: Superconductivity and Its Applications, 1993, 214, 316-322.	1.2	8
216	Effects of Ca and Eu substitution for Sr in Sr <sub>x</sub> NbO <sub>3</sub> . Physical Review B, 1993, 48, 7618-7623.	3.2	8

#	ARTICLE	IF	CITATIONS
217	Hall effect and magnetoresistance in $\text{Sr}_x\text{NbO}_3$ ( $x=0.80, 0.85, \text{ and } 0.90$ ). <i>Physical Review B</i> , 1993, 47, 11426-11430.	3.2	13
218	Synthesis and transport properties of $\text{Sr}_x\text{NbO}_3$ ( $0.75 \leq x \leq 0.90$ ). <i>Physical Review B</i> , 1993, 47, 2849-2853.	3.2	58
219	Synthesis and Characterization of $\text{Sr}_x\text{NbO}_3$ ( $x \approx 0.5$ ) of a Perovskite Related Structure. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 681.	1.5	0
220	Photoelectron-spectroscopy study of superconductive $\text{Nd}_2\text{CuO}_4-x\text{F}_x$ . <i>Physical Review B</i> , 1992, 45, 4952-4956.	3.2	12
221	Hall and thermoelectric-power coefficients of superconducting $\text{Nd}_2\text{CuO}_4-x\text{F}_x$ . <i>Physical Review B</i> , 1992, 45, 9951-9957.	3.2	12
222	Magnetic properties of Bi-based layered cobalt oxides, $\text{Bi}_2\text{Ca}_3-x\text{La}_x\text{Co}_2\text{O}_x$ . <i>Physica C: Superconductivity and Its Applications</i> , 1992, 203, 144-148.	1.2	1
223	Effect of transition metal doping on magnetism and superconductivity in $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{Cu}_{0.99}\text{M}_{0.01}\text{O}_4$		

#	ARTICLE	IF	CITATIONS
235	Evidence of Incommensurate-Ferroelastic (Commensurate) Phase Transition in $\{N(CH_3)_4\}_2CuCl_4$ Crystal. Journal of the Physical Society of Japan, 1980, 48, 1773-1774.	1.6	58
236	Measurements of Engine Torque with the Intra-Bearing Torque Sensor. , 0, , .		9
237	Electronic structure of misfit-layered calcium cobaltite. , 0, , .		0
238	Synthesis of textured thermoelectric layered cobaltites by reactive templated grain growth. , 0, , .		2
239	A common behavior of thermoelectric layered cobaltites: an incommensurate spin density wave state. , 0, , .		1
240	Highly textured $Na_{x/2}CoO_{2-\delta}$ ceramics fabricated by tape casting. , 0, , .		0
241	Co-existence of short- and long-range magnetic order in $LaCo_2P_2$ . Physica Scripta, 0, , .	2.5	2