

Naoki Shirakawa

List of Publications by Year in descending order

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94
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94
docs citations

94
times ranked

2899
citing authors

#	ARTICLE	IF	CITATIONS
1	A magnetic heterostructure of topological insulators as a candidate for an axion insulator. Nature Materials, 2017, 16, 516-521.	13.3	276
2	Low-temperature magnetic properties of the ferromagnetic organic radical, p-nitrophenyl nitronyl nitroxide. Physical Review B, 1992, 46, 8906-8914.	1.1	270
3	Pt resistor thermometry and pressure calibration in a clamped pressure cell with the medium, Daphne 7373. Review of Scientific Instruments, 1997, 68, 2490-2493.	0.6	210
4	Crystal and magnetic structure of Ca ₃ Ru ₂ O ₇ . Physical Review B, 2005, 72, .	1.1	122
5	A Heterometal Single-Molecule Magnet of [Mn ^{III} 2Ni ^{II} 2Cl ₂ (salpa) ₂]. Journal of the American Chemical Society, 2005, 127, 4568-4569.	6.6	118
6	Highest conductivity oxide SrMoO ₃ grown by a floating-zone method under ultralow oxygen partial pressure. Applied Physics Letters, 2005, 87, 024105.	1.5	96
7	Quasi-two-dimensional metallic ground state of Ca ₃ Ru ₂ O ₇ . Physical Review B, 2004, 69, .	1.1	66
8	Anomalous Diamagnetism of a Perovskite LaVO ₃ . Japanese Journal of Applied Physics, 1991, 30, L755-L756.	0.8	62
9	Single-Molecule Magnet Behavior in Heterometallic Mn ^{III} 2Mn ^{II} 2 Tetramers (M ^{II} = Cu, Ni) Containing Mn ^{III} Salen-Type Dinuclear Core. Inorganic Chemistry, 2007, 46, 5861-5872.	1.9	52
10	Enhanced superconductivity close to a non-magnetic quantum critical point in electron-doped strontium titanate. Nature Communications, 2019, 10, 738.	5.8	51
11	Superconductivity in carrier-doped silicon carbide. Science and Technology of Advanced Materials, 2008, 9, 044204.	2.8	50
12	Novel Hall-Coefficient Behavior in Superconducting Sr ₂ RuO ₄ . Journal of the Physical Society of Japan, 1995, 64, 1072-1075.	0.7	47
13	Uniaxial-Pressure Induced Ferromagnetism of Enhanced Paramagnetic Sr ₃ Ru ₂ O ₇ . Journal of the Physical Society of Japan, 2004, 73, 1322-1325.	0.7	46
14	Evolution of the spectral weight in the Mott-Hubbard series $\chi_{\text{SRVO}} \sim \chi_{\text{Mn}}^{-3}$ Physical Review B, 2008, 78, .	1.1	42
15	Pressure dependence of superconducting critical temperature of Sr ₂ RuO ₄ . Physical Review B, 1997, 56, 7890-7893.	1.1	41
16	Colossal magnetoresistance accompanying a structural transition in a highly two-dimensional metallic state of Ca ₃ Ru ₂ O ₇ . Physical Review B, 2004, 70, .	1.1	39
17	Large enhancement of superconducting transition temperature in single-element superconducting rhenium by shear strain. Scientific Reports, 2016, 6, 36337.	1.6	35
18	Structural and Physical Properties of $\bar{\Gamma}_g$ -(EDO-S,S-DMEDT-TTF) ₂ (AuBr ₂) ₁ (AuBr ₂) _y . Molecular Crystals and Liquid Crystals, 1996, 285, 83-88.	0.3	33

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19	Magnetic and transport properties of perovskite-related strontium molybdates. Physica C: Superconductivity and Its Applications, 2000, 341-348, 785-786.	0.6	29
20	Thermopower of a Layered Perovskite Superconductor, Sr ₂ RuO ₄ . Journal of the Physical Society of Japan, 1996, 65, 1548-1550.	0.7	28
21	Orbital-Degenerate Paramagnetic Metal Sr ₂ MoO ₄ : An Electronic Analogue to Sr ₂ RuO ₄ . Journal of the Physical Society of Japan, 2000, 69, 3162-3165.	0.7	26
22	Superconductivity in noncentrosymmetric SrAuSi_3 . Physical Review B, 2016, 93, .	1.1	26
23	Crystal structure of Sr ₃ Ir ₂ O ₇ investigated by transmission electron microscopy. Journal of Solid State Chemistry, 2004, 177, 3776-3783.	1.4	25
24	Bulk single-crystal growth of strontium ruthenates by a floating-zone method. Journal of Crystal Growth, 2002, 237-239, 787-791.	0.7	24
25	Magnetism and Superconductivity in Copper Spinel. Japanese Journal of Applied Physics, 1993, 32, 448.	0.8	22
26	Specific heat study on CuxBa ₂ Ca _{n-1} Cu _n O _y . Physica C: Superconductivity and Its Applications, 2001, 357-360, 222-225.	0.6	22
27	Reverse Offset Printing of Semidried Metal Acetylacetonate Layers and Its Application to a Solution-Processed IGZO TFT Fabrication. ACS Applied Materials & Interfaces, 2018, 10, 24339-24343.	4.0	22
28	Scaling of Negative Magnetoresistance and Extraordinary Hall Effect in CaVO ₃ . Journal of the Physical Society of Japan, 1995, 64, 4824-4833.	0.7	21
29	Electronic Structures of BaNiS ₂ and BaCoS ₂ . Journal of the Physical Society of Japan, 1995, 64, 2533-2540.	0.7	20
30	Specific Heat Study on CuxBa ₂ Ca ₃ Cu ₄ O _y . Journal of the Physical Society of Japan, 2001, 70, 329-332.	0.7	19
31	Conducting and superconducting salts based on BEDTTTF and on some unsymmetrical tetrachalcogenafulvalenes. Synthetic Metals, 1995, 70, 787-788.	2.1	18
32	Crystal growth of Germanium-based oxide spinels by the Float Zone Method. Journal of Crystal Growth, 2005, 283, 185-192.	0.7	18
33	A new electronic state in the variably doped two-dimensional charge transfer salt, $\text{Li}_{1-x}(\text{EDO-S,S-DMEDT-TTF})_2(\text{I}_3)_1(\text{I}_3)_y$ and $\text{Li}_{1-x}(\text{EDO-S,S-DMEDT-TTF})_2(\text{AuBr}_2)_1(\text{AuBr}_2)_y$ with $y \approx 0.75$. Synthetic Metals, 1997, 86, 2021-2022.	2.1	17
34	Temperature-dependent hall effect of $\text{Li}^+(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$ under pressure. Synthetic Metals, 1997, 85, 1541-1542.	2.1	16
35	The pressure dependence of magnetization of layered perovskite oxides with 4d-electron metal. Physica C: Superconductivity and Its Applications, 2001, 364-365, 376-378.	0.6	16
36	Measuring Sr ₂ RuO ₄ down to 0.5 with a commercial SQUID magnetometer combined with refrigeration. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E149-E150.	1.0	16

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37	Fabrication of micro-textured surfaces for a high hydrophobicity by evaporative patterning using screen mesh templates. Applied Surface Science, 2017, 400, 64-70.	3.1	15
38	Interstitial Atom Engineering in Magnetic Materials. Metals, 2020, 10, 1644.	1.0	15
39	Low temperature static magnetization of an organic ferromagnet, $\hat{1}^2$ -p-NPNN. Polyhedron, 2005, 24, 2405-2408.	1.0	14
40	Antiferroquadrupolar Ordering and Anisotropic Magnetic Phase Diagram of Dysprosium Palladium Bronze, DyPd ₃ S ₄ . Journal of the Physical Society of Japan, 2007, 76, 084717.	0.7	14
41	Capacitance temperature sensor using epitaxial SrTiO ₃ film with a single-crystal-like behavior. Thin Solid Films, 2005, 486, 145-148.	0.8	13
42	Minimal model needed for the Mott-Hubbard $SrVO_3$. Physical Review B, 2009, 79, .	1.1	13
43	Optical, transport and magnetic properties of new compound CeCd ₃ P ₃ . Materials Research Express, 2016, 3, 056101.	0.8	13
44	Fine-Pitch Copper Wiring Formed with Super-Inkjet and Oxygen Pump. Japanese Journal of Applied Physics, 2013, 52, 05DB19.	0.8	12
45	Electronic Structure of Sr ₂ MoO ₄ . Journal of Low Temperature Physics, 2003, 131, 269-273.	0.6	11
46	The synthesis and basic physical properties of a layered molybdenum perovskite Sr ₂ MoO ₄ . Physica C: Superconductivity and Its Applications, 2001, 364-365, 309-312.	0.6	10
47	Field-induced Magnetic Anisotropy of Single-Crystal GeNi ₂ O ₄ . Journal of the Physical Society of Japan, 2004, 73, 2959-2962.	0.7	10
48	Deoxidization of Cu Oxide under Extremely Low Oxygen Pressure Ambient. Japanese Journal of Applied Physics, 2006, 45, L393-L395.	0.8	10
49	Phase-relations study of Sr-Mo-O system for new superconductors search. Physica C: Superconductivity and Its Applications, 2000, 341-348, 783-784.	0.6	9
50	The Synthesis and Characterization of Double-Layered Perovskite Sr ₃ Mo ₂ O ₇ . Journal of the Physical Society of Japan, 2007, 76, 094706.	0.7	9
51	Electronic structure of the band-filling-controlled CaVO ₃ and LaVO ₃ compounds. Journal of Physics Condensed Matter, 2010, 22, 095601.	0.7	9
52	Hill Plot Focusing on Ce Compounds with High Magnetic Ordering Temperatures and Consequent Study of Ce ₂ AuP ₃ . Journal of Superconductivity and Novel Magnetism, 2018, 31, 3559-3564.	0.8	9
53	Static magnetization study of $\hat{1}^e$ -(BEDT-TTF) ₂ Cu[N(CN) ₂]Cl under high pressure Part 1. High magnetic fields. Synthetic Metals, 1995, 70, 937-938.	2.1	8
54	Study of first-order metal-insulator transition in the strongly correlated electron system Y _{1-x} CaxTiO ₃ . Physica B: Condensed Matter, 1996, 223-224, 526-528.	1.3	8

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55	An Improved Method for Obtaining Single-Phase Sr ₂ MoO ₄ under Controlled Ultralow Oxygen Partial Pressure. Japanese Journal of Applied Physics, 2001, 40, L741-L743.	0.8	8
56	Anisotropy in the upper and lower critical fields of MgB ₂ single crystals. Physica C: Superconductivity and Its Applications, 2004, 412-414, 258-261.	0.6	8
57	Capacitance thermometer made of oxygen isotope-exchanged strontium titanate perovskite. Applied Physics Letters, 2006, 88, 082906.	1.5	7
58	Quasi-Two-Dimensional Fermi-Liquid State in Sr ₂ RhO ₄ . Journal of the Physical Society of Japan, 2010, 79, 114719.	0.7	7
59	Hall Effect in Ca ₃ Ru ₂ O ₇ . Journal of the Physical Society of Japan, 2007, 76, 085002.	0.7	6
60	Oxygen Distribution in Titanium Single Crystal Fabricated by Optical Floating-Zone Method under Extremely Low Oxygen Partial Pressure. Materials Transactions, 2009, 50, 2709-2715.	0.4	6
61	Superconductivity in Ag ₂ Ta ₂ S ₅ single crystals with stage structure obtained via proton-driven ion introduction. Journal of the Ceramic Society of Japan, 2018, 126, 963-967.	0.5	6
62	Magnetic and Transport Properties of Bilayered Perovskite Sr ₃ Ir ₂ O ₇ . Journal of Low Temperature Physics, 2003, 131, 665-669.	0.6	5
63	Composition effect in ferromagnetic properties of Tb ₃ Co ₃ Ga. Results in Physics, 2019, 15, 102591.	2.0	5
64	Specific heat of a single-crystalline perovskite. Journal of Physics Condensed Matter, 1998, 10, 11541-11545.	0.7	4
65	Heavy-fermion behavior in. Journal of Magnetism and Magnetic Materials, 2007, 310, e40-e41.	1.0	4
66	Transport property of Ca ₃ Ru ₂ O ₇ under hydrostatic pressures. Physica B: Condensed Matter, 2008, 403, 1213-1215.	1.3	4
67	Magnetic Properties of Ca ₃ Ru ₂ O ₇ under Uniaxial Pressures. Journal of the Physical Society of Japan, 2008, 77, 093702.	0.7	4
68	Pressure Effects on Superconducting Properties of the Bi ₂ -Based Superconductor Bi ₂ (O,F)S ₂ . Journal of the Physical Society of Japan, 2015, 84, 084703.	0.7	4
69	Disorder-induced vortex-phase transition and its evolution with oxygen doping in Bi _{1.7} Pb _{0.3} Sr ₂ CaCu ₂ O _y crystals. Physica C: Superconductivity and Its Applications, 2001, 361, 244-250.	0.6	3
70	Thermopower of double-layered ruthenate. Journal of Magnetism and Magnetic Materials, 2007, 310, 1125-1127.	1.0	3
71	The synthesis of a quasi-2D metal oxide. Physica B: Condensed Matter, 2008, 403, 1029-1031.	1.3	3
72	Magnetization, Resistivity and Specific Heat of Hexagonal R ₂ Ni ₁₂ P ₇ with Filled-Cr ₁₂ P ₇ Structure. Journal of the Physical Society of Japan, 2012, 81, 074601.	0.7	3

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73	Evaluation of the Magnetic Properties of Cosmetic Contact Lenses with a Superconducting Quantum Interference Device. <i>Magnetic Resonance in Medical Sciences</i> , 2014, 13, 207-214.	1.1	3
74	Fine-pitch copper wiring formed in a platingless process using ultra-fine inkjet and oxygen pump. , 2015, , .		3
75	The Impact of the Composition Effect on Ferromagnetic Properties of Tb ₂ Co ₂ Ga. <i>Metals</i> , 2019, 9, 1242.	1.0	3
76	Magnetic Properties of Ca ₃ Ru ₂ O ₇ Grown by a Floating Zone Method. <i>Journal of Low Temperature Physics</i> , 2003, 131, 1135-1139.	0.6	2
77	Search for Superconductivity in the Stress-Induced Ferromagnetic Phase of Sr ₃ Ru ₂ O ₇ . <i>Journal of Low Temperature Physics</i> , 2003, 131, 1147-1151.	0.6	2
78	Magnetization of single crystalline strontium ruthenate under uniaxial-pressure. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E293-E294.	1.0	2
79	SQUID-based AC magnetometry down to 0.5 K made available on a widely-accessible platform. <i>Journal of Physics: Conference Series</i> , 2009, 150, 012045.	0.3	2
80	Characteristics of a granular electronic system in Heusler-type Fe ₂ +xV _{1-x} Al. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 275603.	0.7	2
81	The secret of Cool Plasma Sintering for low-temperature bulk formation from copper nanoparticles. , 2016, , .		2
82	Vortex creep characteristics via magnetic relaxation of Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 361, 203-209.	0.6	1
83	Altered Ru, Sr atomic environments in strontium ruthenates: XAFS evidence for valence and magnetism. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E257-E258.	1.0	1
84	Specific Heat of Layered Ruthenates Sr ₂ Ru _{1-x} Zr _x O ₄ . <i>AIP Conference Proceedings</i> , 2006, , .	0.3	1
85	³ He Cryostat for MPMS. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	1
86	Fabrication of Titanium Single Crystal by a Floating Zone Method under Extremely Low Oxygen Partial Pressure. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2008, 72, 928-934.	0.2	1
87	The synthesis under controlled oxygen partial pressure and the characterization of a layered perovskite system Sr ₂ V _{1-x} Mo _x O ₄ . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 285601.	0.7	1
88	All-copper contacting technology for film-vs-film electric connection using cool plasma sintering. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 05EB04.	0.8	1
89	Static magnetization study of $\hat{\Gamma}_6$ -(BEDT-TTF) ₂ Cu[N(CN) ₂ Cl] under high pressure. Part 2. Low magnetic fields. <i>Synthetic Metals</i> , 1995, 70, 939-940.	2.1	0
90	Bandwidth control in a 3d1 perovskite vanadate Ca _{1-x} Sr _x VO ₃ . <i>Physica B: Condensed Matter</i> , 1999, 259-261, 849-850.	1.3	0

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91	Low-temperature properties below of single crystalline Sr ₃ Ru ₂ O ₇ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 102-103.	1.0	0
92	Reduction of Moisture in Semiconductor Dry Process Equipment by Generating Extremely Low Oxygen Ambience. Japanese Journal of Applied Physics, 2009, 48, 08HH01.	0.8	0
93	Single crystal growth of a layered perovskite V oxide Sr ₄ V ₃ O ₁₀ with an FZ method under controlled p(O ₂). Journal of Physics: Conference Series, 2009, 150, 052126.	0.3	0
94	Improvement of discharge system in cool plasma sintering method for copper fine traces. Japanese Journal of Applied Physics, 2022, 61, SE1001.	0.8	0