

Yuichi Shimakawa

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Blue-light emission at room temperature from Ar ⁺ -irradiated SrTiO ₃ . <i>Nature Materials</i> , 2005, 4, 816-819.	27.5	543
2	Crystal structures and ferroelectric properties of SrBi ₂ Ta ₂ O ₉ and Sr _{0.8} Bi _{2.2} Ta ₂ O ₉ . <i>Applied Physics Letters</i> , 1999, 74, 1904-1906.	3.3	416
3	Designed Ferromagnetic, Ferroelectric Bi ₂ NiMnO ₆ . <i>Journal of the American Chemical Society</i> , 2005, 127, 8889-8892.	13.7	397
4	Colossal negative thermal expansion in BiNiO ₃ induced by intermetallic charge transfer. <i>Nature Communications</i> , 2011, 2, 347.	12.8	389
5	Giant magnetoresistance in Ti ₂ Mn ₂ O ₇ with the pyrochlore structure. <i>Nature</i> , 1996, 379, 53-55.	27.8	367
6	Crystal structure and ferroelectric properties of ABi ₂ Ta ₂ O ₉ (A=Ca, Sr, and Ba). <i>Physical Review B</i> , 2000, 61, 6559-6564.	3.2	357
7	Temperature-induced A↔B intersite charge transfer in an A-site-ordered LaCu ₃ Fe ₄ O ₁₂ perovskite. <i>Nature</i> , 2009, 458, 60-63.	27.8	357
8	Preparation of fine platinum catalyst supported on single-wall carbon nanohorns for fuel cell application. <i>Physica B: Condensed Matter</i> , 2002, 323, 124-126.	2.7	301
9	Neutron Powder Diffraction Study on the Crystal and Magnetic Structures of BiCoO ₃ . <i>Chemistry of Materials</i> , 2006, 18, 798-803.	6.7	299
10	Crystal and electronic structures of Bi _{4-<i>x</i>} LaxTi ₃ O ₁₂ ferroelectric materials. <i>Applied Physics Letters</i> , 2001, 79, 2791-2793.	3.3	282
11	Transport and magnetic properties of Tl ₂ Ba ₂ CuO ₆ + <i>δ</i> showing a <i>δ</i> -dependent gradual transition from an 85-K superconductor to a nonsuperconducting metal. <i>Physical Review B</i> , 1991, 43, 7875-7882.	3.2	243
12	Magnetic-field penetration depth in Tl ₂ Ba ₂ CuO ₆ + <i>δ</i> in the overdoped regime. <i>Nature</i> , 1993, 364, 605-607.	27.8	217
13	Tuning magnetic anisotropy by interfacially engineering the oxygen coordination environment in a transition metal oxide. <i>Nature Materials</i> , 2016, 15, 432-437.	27.5	202
14	Crystallographic Features and Tetragonal Phase Stability of PbVO ₃ , a New Member of PbTiO ₃ Family. <i>Chemistry of Materials</i> , 2005, 17, 269-273.	6.7	169
15	Pressure-Induced Spin-State Transition in BiCoO ₃ . <i>Journal of the American Chemical Society</i> , 2010, 132, 9438-9443.	13.7	161
16	Magnetic and structural properties of BiFe _{1-x} MnxO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 1177-1179.	2.3	153
17	A Perovskite Containing Quadrivalent Iron as a Charge-Disproportionated Ferrimagnet. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7032-7035.	13.8	145
18	Atomic level observation of octahedral distortions at the perovskite oxide heterointerface. <i>Scientific Reports</i> , 2013, 3, 2214.	3.3	144

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19	Verwey-Type Transition and Magnetic Properties of the LiMn ₂ O ₄ Spinels. <i>Journal of Solid State Chemistry</i> , 1997, 131, 138-143.	2.9	142
20	A-Site-Ordered Perovskites with Intriguing Physical Properties. <i>Inorganic Chemistry</i> , 2008, 47, 8562-8570.	4.0	139
21	Structural distortion and ferroelectric properties of SrBi ₂ (Ta _{1-x} Nb _x) ₂ O ₉ . <i>Applied Physics Letters</i> , 2000, 77, 2749-2751.	3.3	136
22	Synthesis, Crystal Structure, and Magnetic Properties of Bi ₃ Mn ₄ O ₁₂ (NO ₃) ₃ Oxynitrate Comprising $S = 3/2$ Honeycomb Lattice. <i>Journal of the American Chemical Society</i> , 2009, 131, 8313-8317.	13.7	133
23	Anisotropic oxygen diffusion at low temperature in perovskite-structure iron oxides. <i>Nature Chemistry</i> , 2010, 2, 213-217.	13.6	133
24	Neutron-diffraction study of Tl ₂ Ba ₂ CuO ₆ + δ with various Tc's from 0 to 73 K. <i>Physical Review B</i> , 1990, 42, 10165-10171.	3.2	119
25	Correlation between the pressure-induced changes in the Hall coefficient and T _c in superconducting cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 183, 277-285.	1.2	118
26	Pressure-Induced Intermetallic Valence Transition in BiNiO ₃ . <i>Journal of the American Chemical Society</i> , 2007, 129, 14433-14436.	13.7	115
27	Tunneling magnetoresistance at up to 270 K in La _{0.8} Sr _{0.2} MnO ₃ /SrTiO ₃ /La _{0.8} Sr _{0.2} MnO ₃ junctions with 1.6-nm-thick barriers. <i>Applied Physics Letters</i> , 1999, 74, 290-292.	3.3	113
28	Magnetic Ground-State of Perovskite PbVO ₃ with Large Tetragonal Distortion. <i>Inorganic Chemistry</i> , 2008, 47, 7355-7359.	4.0	110
29	Multiferroic Compounds with Double-Perovskite Structures. <i>Materials</i> , 2011, 4, 153-168.	2.9	109
30	Isotope effect on superconductivity in Rb ₃ C ₆₀ . <i>Nature</i> , 1992, 355, 620-622.	27.8	107
31	Observation of Magnetoelectric Multiferroicity in a Cubic Perovskite System: LaMnO_3 . <i>Physical Review Letters</i> , 2015, 115, 087601.	7.8	105
32	Blue luminescence from electron-doped SrTiO ₃ . <i>Applied Physics Letters</i> , 2006, 88, 191916.	3.3	97
33	Alternative to the topological interpretation of the transverse resistivity anomalies in SrRuO ₃ . <i>Physical Review B</i> , 2018, 98, .	4.7	97
34	Transport and structural study of Tl ₂ Ba ₂ CuO ₆ + δ single crystals prepared by the KCl flux method. <i>Physical Review B</i> , 1992, 46, 11019-11024.	3.2	95
35	Rhombohedral-Tetragonal Phase Boundary with High Curie Temperature in (1-x)BiCoO ₃ -xBiFeO ₃ Solid Solution. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 7579.	1.5	95
36	Rietveld analysis of Tl ₂ Ba ₂ Cu _n O _{4+2n} (n=1, 2 and 3) by powder x-ray diffraction. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 156, 97-102.	1.2	92

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37	High-Field Study of Strong Magnetoelectric Coupling in Single-Domain Crystals of BiFeO ₃ . Journal of the Physical Society of Japan, 2010, 79, 064713.	1.6	92
38	A variable-emittance radiator based on a metal-insulator transition of (La,Sr)MnO ₃ thin films. Applied Physics Letters, 2002, 80, 4864-4866.	3.3	89
39	Crystal structure, magnetic and transport properties, and electronic band structure of A ₂ Mn ₂ O ₇ pyrochlores (A=Y, In, Lu, and Tl). Physical Review B, 1999, 59, 1249-1254.	3.2	88
40	Multiferroic thin film of Bi ₂ NiMnO ₆ with ordered double-perovskite structure. Applied Physics Letters, 2007, 90, 072903.	3.3	85
41	Solvent-Coordinated Tin Halide Complexes as Purified Precursors for Tin-Based Perovskites. ACS Omega, 2017, 2, 7016-7021.	3.5	85
42	A half-metallic A- and B-site-ordered quadruple perovskite oxide CaCu ₃ Fe ₂ Re ₂ O ₁₂ with large magnetization and a high transition temperature. Nature Communications, 2014, 5, 3909.	12.8	83
43	Preferential Deposition of Pt Nanoparticles Inside Single-Walled Carbon Nanohorns. Advanced Materials, 2004, 16, 1420-1423.	21.0	81
44	Reversible changes of epitaxial thin films from perovskite LaNiO ₃ to infinite-layer structure LaNiO ₂ . Applied Physics Letters, 2009, 94, .	3.3	81
45	Disordered Ground State and Magnetic Field-Induced Long-Range Order in an S ₃ Honeycomb Lattice Compound. Physical Review Letters, 2010, 105, 187201.	7.8	81
46	Structural study of Sr ₂ CuO _{3+δ} by neutron powder diffraction. Physica C: Superconductivity and Its Applications, 1994, 228, 73-80.	1.2	78
47	Appearance of a Maximum of T _c and a Large Negative dT _c /dP in the Superconducting Tl-Ba-Ca-Cu-O Compounds under Pressure. Journal of the Physical Society of Japan, 1990, 59, 3839-3842.	1.6	75
48	Spin dynamics in heavily-doped high-T _c superconductors Tl ₂ Ba ₂ CuO _{6+y} with a single CuO ₂ layer studied by ⁶³ Cu and ²⁰⁵ Tl NMR. Physica C: Superconductivity and Its Applications, 1991, 179, 107-118.	1.2	71
49	Crystal and Magnetic Structure in Co-Substituted BiFeO ₃ . Inorganic Chemistry, 2013, 52, 13269-13277.	4.0	71
50	Intermetallic Charge Transfer in A-Site-Ordered Double Perovskite BiCu ₃ Fe ₄ O ₁₂ . Inorganic Chemistry, 2009, 48, 8489-8492.	4.0	70
51	Superconducting Fluctuations and the Pseudogap in the Slightly Overdoped High-T _c Superconductor TlSr ₂ CaCu ₂ O _{6.8} : High Magnetic Field NMR Studies. Physical Review Letters, 2006, 96, 415402.	7.8	67
52	Magnetoresistance and electronic structure of the half-metallic ferrimagnet Bi ₃ Cu ₃ Mn ₄ O ₁₂ . Physical Review Letters, 2010, 105, 187201.	3.2	67
53	Phys Morphology effects of Co ₃ O ₄ nanocrystals catalyzing CO oxidation in a dry reactant gas stream. Catalysis Science and Technology, 2011, 1, 920.	4.1	65
54	Superconductivity of TlBa _{1-x} La _{1-x} CuO ₅ with 1201 structure. Physica C: Superconductivity and Its Applications, 1989, 158, 143-147.	1.2	62

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55	Development of a Variable Emittance Radiator Based on a Perovskite Manganese Oxide. Journal of Thermophysics and Heat Transfer, 2003, 17, 264-268.	1.6	62
56	Optical and transport properties of transparent conducting La-doped SrSnO ₃ thin films. Journal Physics D: Applied Physics, 2015, 48, 455106.	2.8	62
57	Various Valence States of Square-Coordinated Mn in A-Site-Ordered Perovskites. Journal of the American Chemical Society, 2009, 131, 16244-16247.	13.7	61
58	Chemical and structural study of tetragonal and orthorhombic Tl ₂ Ba ₂ CuO ₆ . Physica C: Superconductivity and Its Applications, 1993, 204, 247-261.	1.2	59
59	Thickness-Dependent Structure-Property Relationships in Strained (110) SrRuO ₃ Thin Films. Advanced Functional Materials, 2013, 23, 1129-1136.	14.9	59
60	Controlled cation stoichiometry in pulsed laser deposition-grown BaTiO ₃ epitaxial thin films with laser fluence. Applied Physics Letters, 2011, 99, 081907.	3.3	57
61	Epitaxial strain effect in tetragonal SrRuO ₃ thin films. Journal of Applied Physics, 2013, 113, .	2.5	57
62	Cation Disorder in the Ferroelectric Oxides ABi ₂ Ta ₂ O ₉ , A=Ca, Sr, Ba. Journal of Solid State Chemistry, 2001, 160, 174-177.	2.9	56
63	Superconductivity in the Sr-Ca-Cu-O system and the phase with infinite-layer structure. Physical Review B, 1995, 51, 11784-11790.	3.2	53
64	Single-crystal epitaxial thin films of SrFeO ₂ with FeO ₂ infinite layers. Applied Physics Letters, 2008, 92, .	3.3	52
65	Energy gap of Tl-Ba-Ca-Cu-O compounds by tunneling. Physica C: Superconductivity and Its Applications, 1989, 158, 83-87.	1.2	51
66	Structural and magnetotransport properties of the colossal magnetoresistance material Tl ₂ Mn ₂ O ₇ s. Physical Review B, 1997, 55, 6399-6404.	3.2	51
67	Metallc versus insulating behavior in the A -site ordered perovskite oxides $A_{1-x}B_x$ A -site ordered perovskite oxides $A_{1-x}B_x$ Physical Review B, 2009, 80, .	3.2	51
68	Realization of Large Electric Polarization and Strong Magnetoelectric Coupling in BiMn ₃ Cr ₄ O ₁₂ . Advanced Materials, 2017, 29, 1703435.	21.0	50
69	Reduction and oxidation of SrCoO _{2.5} thin films at low temperatures. Dalton Transactions, 2012, 41, 10507.	3.3	47
70	Polarization Rotation in the Monoclinic Perovskite BiCo _{1-x} Fe _x O ₃ . Angewandte Chemie - International Edition, 2012, 51, 7977-7980.	13.8	47
71	Octahedral Tilt Propagation Controlled by A-Site Cation Size at Perovskite Oxide Heterointerfaces. Crystal Growth and Design, 2014, 14, 2128-2132.	3.0	46
72	One-pot hydrothermal synthesis of uniformly cubic Co ₃ O ₄ nanocrystals. Materials Letters, 2010, 64, 239-242.	2.6	45

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73	Enhanced ferromagnetic moment in Co-doped BiFeO ₃ thin films studied by soft x-ray circular dichroism. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	45
74	Control of Structural Distortions in Transition-Metal Oxide Films through Oxygen Displacement at the Heterointerface. <i>Advanced Functional Materials</i> , 2014, 24, 5177-5184.	14.9	45
75	Field-free superconducting diode effect in noncentrosymmetric superconductor/ferromagnet multilayers. <i>Nature Nanotechnology</i> , 2022, 17, 823-828.	31.5	45
76	Ligand-hole localization in oxides with unusual valence Fe. <i>Scientific Reports</i> , 2012, 2, 449.	3.3	44
77	Intermetallic charge transfer between A-site Cu and B-site Fe in A-site-ordered double perovskites. <i>New Journal of Physics</i> , 2010, 12, 063029.	2.9	43
78	Tuning negative thermal expansion in Bi ¹⁺ _x Ln _x NiO ₃ (Ln = La, Nd, Eu, Dy). <i>Applied Physics Letters</i> , 2013, 103, .	3.3	43
79	Non-superconducting TlBa ₂ YCu ₂ O ₇ with a new crystal structure resembling superconducting YBa ₂ Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1988, 156, 315-318.	1.2	42
80	Orbital Hybridization and Magnetic Coupling of the A-Site Cu Spins in CaCu ₃ B ₄ O ₁₂ (B = Ti, Ge, and Sn) Perovskites. <i>Inorganic Chemistry</i> , 2009, 48, 3499-3501.	4.0	42
81	Site-Selective Doping Effect in AMn ₃ V ₄ O ₁₂ (A = Na ⁺ , Tl ⁺) <small>1.1 0.784314 rgB</small>	13.7	41
82	Crystal and magnetic structures of CaCu ₃ Fe ₄ O ₁₂ and LaCu ₃ Fe ₄ O ₁₂ : distinct charge transitions of unusual high valence Fe. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 504006.	2.8	41
83	Metallic Behavior in A-Site-Ordered Perovskites A _x Cu ₃ V ₄ O ₁₂ with A = Na ⁺ , Ca ²⁺ , and Y ³⁺ . <i>Journal of the Physical Society of Japan</i> , 2008, 77, 064705.	1.6	40
84	Superconductor-to-metal transition caused by oxygen nonstoichiometry in TlSr ₂ CaCu ₂ O ₇ having a Cu-O pyramidal layer. <i>Physical Review B</i> , 1992, 45, 5553-5557.	3.2	39
85	Thermally formed conducting filaments in a single-crystalline NiO thin film. <i>Applied Physics Letters</i> , 2010, 96, 072106.	3.3	39
86	Two-Dimensional Charge Disproportionation of the Unusual High Valence State Fe ⁴⁺ in a Layered Double Perovskite. <i>Journal of the American Chemical Society</i> , 2015, 137, 7468-7473.	13.7	39
87	Incipient Orthorhombic-Phase in Ba ₂ YCu ₃ O _{7-x} Crystals. <i>Japanese Journal of Applied Physics</i> , 1988, 27, L594-L597.	1.5	38
88	ESR studies of K-doped C60. <i>Chemical Physics Letters</i> , 1993, 203, 429-432.	2.6	38
89	Crystal structure of (Cu,C)Ba ₂ Ca ₃ Cu ₄ O ₁₁ (T _c =117 K) by neutron-powder-diffraction analysis. <i>Physical Review B</i> , 1994, 50, 16008-16014.	3.2	37
90	Low Temperature Growth of Epitaxial La _{0.8} Sr _{0.2} MnO ₃ Thin Films by an Excimer-Laser-Assisted Coating Pyrolysis Process. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L956-L959.	1.5	37

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91	Effects of electron channeling in HAADF-STEM intensity in La ₂ CuSnO ₆ . Ultramicroscopy, 2009, 109, 361-367.	1.9	37
92	Synthesis, Structure, and Physical Properties of <i>A</i> -site Ordered Perovskites <i>A</i> Cu ₃ Co ₄ O ₁₂ (<i>A</i> = Ca and Y). Chemistry of Materials, 2010, 22, 5328-5332.	6.7	37
93	Overpotential-Induced Introduction of Oxygen Vacancy in La _{0.67} Sr _{0.33} MnO ₃ Surface and Its Impact on Oxygen Reduction Reaction Catalytic Activity in Alkaline Solution. Journal of Physical Chemistry C, 2016, 120, 6006-6010.	3.1	37
94	NMR and NQR studies of superconductivity in heavily doped Tl ₂ Ba ₂ CuO _{6+y} with a single CuO ₂ plane. Physica C: Superconductivity and Its Applications, 1991, 184, 207-219.	1.2	36
95	Pressure-induced oxygen ordering phenomena in high-T superconductors. Physica C: Superconductivity and Its Applications, 1996, 257, 105-116.	1.2	36
96	C ¹³ NMR spectroscopy of carbon nanohorns. Physical Review B, 2006, 73, .	3.2	36
97	Pressure-Induced Transformation of 6H Hexagonal to 3C Perovskite Structure in PbMnO ₃ . Inorganic Chemistry, 2009, 48, 2285-2288.	4.0	36
98	Pressure Effect on Intersite Charge Transfer in A-site-Ordered Double-Perovskite-Structure Oxide. Chemistry of Materials, 2012, 24, 2235-2239.	6.7	36
99	Dopant isotope effect on superconductivity in Rb ₃ C ₆₀ . Physica C: Superconductivity and Its Applications, 1992, 203, 163-166.	1.2	35
100	Unusual Ferromagnetic-to-Antiferromagnetic-to-Ferromagnetic Transitions in Cu ²⁺ (<i>S</i> = 1/2) Cubic Spin Lattice of <i>A</i> -Site Ordered Perovskites. Journal of the Physical Society of Japan, 2008, 77, 113702.	1.6	35
101	A-site magnetism in A-site-ordered perovskite-structure oxides. Physica Status Solidi (B): Basic Research, 2012, 249, 423-434.	1.5	35
102	Intergrowth Structures in Superconductor Tl-Ba-Ca-Cu-O Oxides. Japanese Journal of Applied Physics, 1988, 27, L1054-L1057.	1.5	34
103	⁶³ Cu Knight Shift Study in High-Tc Superconductor Tl ₂ Ba ₂ CuO _{6+y} with a Single CuO ₂ Layer. Journal of the Physical Society of Japan, 1990, 59, 3459-3462.	1.6	34
104	Degradation of ferroelectric SrBi ₂ Ta ₂ O ₉ materials under reducing conditions and their reaction with Pt electrodes. Applied Physics Letters, 1999, 75, 2839-2841.	3.3	34
105	Direct observation of the pressure-induced charge redistribution in BiNiO_3 x-ray absorption spectroscopy. Physical Review B, 2009, 80, .	3.2	34
106	Charge transfer and antiferromagnetic order in the A-site-ordered perovskite LaCu ₃ Fe ₄ O ₁₂ . Journal of Materials Chemistry, 2010, 20, 7282.	6.7	34
107	(Sr _{1-x} Ba _x)FeO ₂ (0.4 ≤ <i>x</i> ≤ 1): A New Oxygen-Deficient Perovskite Structure. Journal of the American Chemical Society, 2012, 134, 11444-11454.	13.7	34
108	Multiferroism at Room Temperature in BiFeO ₃ /BiCrO ₃ (111) Artificial Superlattices. Applied Physics Express, 2008, 1, 101302.	2.4	33

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109	B-Cation Order Control of Magnetism in the 1322 Perovskite $\text{CaCu}_3\text{Fe}_2\text{Nb}_2\text{O}_{12}$. Chemistry of Materials, 2014, 26, 4832-4837.	6.7	33
110	Tuning of ferrimagnetism and perpendicular magnetic anisotropy in NiO epitaxial films by the cation distribution. Physical Review B, 2020, 101, .	3.2	33
111	Pressure-induced structural changes and charge transfer in $\text{Tl}_2\text{Ba}_2\text{Cu}_6\text{O}_z$. Physica C: Superconductivity and Its Applications, 1992, 193, 426-436.	1.2	32
112	Structural Phase Transitions in the Ferroelectric Oxide $\text{SrBi}_2\text{Ta}_2\text{O}_9$. Integrated Ferroelectrics, 2002, 44, 101-112.	0.7	32
113	Antiferromagnetic Interaction between A -Site Mn Spins in A -Site-Ordered Perovskite $\text{YMn}_3\text{Al}_4\text{O}_{12}$. Inorganic Chemistry, 2010, 49, 2492-2495.	4.0	32
114	Strain Effect on Structural Transition in SrRuO_3 Epitaxial Thin Films. Crystal Growth and Design, 2011, 11, 5483-5487.	3.0	32
115	Structural Characterization of Ar+Irradiated SrTiO_3 Showing Room-Temperature Blue Luminescence. Japanese Journal of Applied Physics, 2007, 46, L471-L473.	1.5	31
116	Orientation Change of an Infinite-Layer Structure LaNiO_2 Epitaxial Thin Film by Annealing with CaH_2 . Crystal Growth and Design, 2010, 10, 2044-2046.	3.0	30
117	Spin and orbital magnetic moments in perpendicularly magnetized NiO epitaxial films. Physical Review B, 2019, 100, 080401.	3.2	30
118	Neutron powder diffraction study of the crystal and magnetic structures of BiNiO_3 at low temperature. Journal of Solid State Chemistry, 2008, 181, 611-615.	2.9	29
119	High-pressure synthesis of BaVO_3 : A new cubic perovskite. Journal of Physics and Chemistry of Solids, 2014, 75, 710-712.	4.0	29
120	Resistive switching properties of epitaxial BaTiO_3 thin films tuned by after-growth oxygen cooling pressure. Physical Chemistry Chemical Physics, 2016, 18, 197-204.	2.8	29
121	Charge Disproportionation and Charge Transfer in A -Site Ordered Perovskites Containing Iron. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1882-1889.	1.2	28
122	Topotactic Changes in Thin Films of Brownmillerite $\text{SrFeO}_{2.5}$ Grown on SrTiO_3 Substrates to Infinite-Layer Structure SrFeO_2 . Crystal Growth and Design, 2010, 10, 4713-4715.	3.0	28
123	Crystal structures and ionic conductivity in Li_2OHX (X = Cl, Br) antiperovskites. Journal of Solid State Chemistry, 2020, 286, 121263.	2.9	28
124	Crystal Structures and Electric Properties of $(1-x)\text{BiFeO}_3$ - $x\text{BiCoO}_3$ Thin Films Prepared by Chemical Solution Deposition. Japanese Journal of Applied Physics, 2010, 49, 051501.	1.5	26
125	Perpendicular magnetic tunnel junctions based on half-metallic NiCo_2O_4 . Applied Physics Letters, 2020, 117, .	3.3	26
126	Hydrothermal Synthesis of a New Double Perovskite-Type Bismuthate, $(\text{Ba}_{0.75}\text{K}_{0.14}\text{H}_{0.11})\text{BiO}_3 \cdot n\text{H}_2\text{O}$. Japanese Journal of Applied Physics, 2009, 48, 010216.	1.5	25

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127	Frustration relieved ferrimagnetism in novel A- and B-site-ordered quadruple perovskite. Dalton Transactions, 2013, 42, 10116.	3.3	25
128	Structure-property relations in AgBi compounds: potential Pb-free absorbers in solar cells. Journal of Materials Chemistry A, 2019, 7, 5583-5588.	10.3	25
129	Crystal Structure Variations due to Multiplicity in CuO ₂ -Ca-CuO ₂ Slabs in Superconductive Tl-Ba-Ca-Cu-O Oxides. Japanese Journal of Applied Physics, 1988, 27, L837-L840.	1.5	24
130	Enhanced Piezoelectric Constant of (1-x)BiFeO ₃ -xBiCoO ₃ Thin Films Grown on LaAlO ₃ Substrate. Japanese Journal of Applied Physics, 2011, 50, 031505.	1.5	24
131	Defect-Induced Anomalous Transverse Resistivity in an Itinerant Ferromagnetic Oxide. Physica Status Solidi (B): Basic Research, 2018, 255, 1800175.	1.5	24
132	Sequential Phase Transitions in Sm Substituted BiFeO ₃ . Japanese Journal of Applied Physics, 2011, 50, 09NE08.	1.5	23
133	Strong Dependence of Oxygen Octahedral Distortions in SrRuO ₃ Films on Types of Substrate-Induced Epitaxial Strain. Crystal Growth and Design, 2014, 14, 6478-6485.	3.0	23
134	Normal-state magnetic susceptibility in TlSr ₂ (Lu ^{1-x} Cax)Cu ₂ O _y from the underdoped to the overdoped regime. Physical Review B, 1994, 50, 1244-1252.	3.2	22
135	Transient behavior in Pt/Nb-doped SrTiO ₃ Schottky junctions. Applied Physics Letters, 2013, 103, .	3.3	22
136	Integrated sensing array of the perovskite-type LnFeO ₃ (Ln = La, Pr, Nd, Sm) to discriminate detection of volatile sulfur compounds. Journal of Hazardous Materials, 2021, 413, 125380.	12.4	22
137	Influence of oxygen vacancies on magnetic properties of perpendicularly magnetized NiCo ₂ O ₄ epitaxial thin films. Journal of Applied Physics, 2020, 127, .	2.5	21
138	Colossal Barocaloric Effect by Large Latent Heat Produced by First-Order Intersite Charge Transfer Transition. Advanced Functional Materials, 2021, 31, 2009476.	14.9	21
139	Preparation of Monodisperse and Spherical Rutile VO ₂ Fine Particles. Chemistry of Materials, 2009, 21, 198-200.	6.7	20
140	Gas phase contributions to topochemical hydride reduction reactions. Journal of Solid State Chemistry, 2013, 207, 190-193.	2.9	20
141	Strain-induced significant increase in metal-insulator transition temperature in oxygen-deficient Fe oxide epitaxial thin films. Scientific Reports, 2015, 5, 7894.	3.3	20
142	Controllable Magnetic Proximity Effect and Charge Transfer in 2D Semiconductor and Double-Layered Perovskite Manganese Oxide van der Waals Heterostructure. Advanced Materials, 2020, 32, e2003501.	21.0	20
143	Strong Coupling between A_{1g} and B_{1g} Modes in A_{1g} -Site-Ordered Perovskite $A_{1-x}B_xO_3$. Physical Review Letters, 2019, 123, 087201.	3.2	19
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