

Kohji Kishio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3717047/publications.pdf>

Version: 2024-02-01

224
papers

6,654
citations

57631

44
h-index

76769

74
g-index

228
all docs

228
docs citations

228
times ranked

3239
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Oxygen Nonstoichiometry in a High-Tc Superconductor Ba ₂ YCu ₃ O _{7-δ} . Japanese Journal of Applied Physics, 1987, 26, L1228-L1230.	0.8	402
2	Logarithmic Divergence of both In-Plane and Out-of-Plane Normal-State Resistivities of Superconducting La _{2-x} Sr _x CuO ₄ in the Zero-Temperature Limit. Physical Review Letters, 1995, 75, 4662-4665.	2.9	400
3	Diffusion of oxide ion vacancies in perovskite-type oxides. Journal of Solid State Chemistry, 1988, 73, 179-187.	1.4	367
4	Superconductivity at 17 K in (Fe ₂ P ₂)(Sr ₄ Sc ₂ O ₆): a new superconducting layered pnictide oxide with a thick perovskite oxide layer. Superconductor Science and Technology, 2009, 22, 075008.	1.8	210
5	Effects of B4C doping on critical current properties of MgB ₂ superconductor. Superconductor Science and Technology, 2005, 18, 1323-1328.	1.8	171
6	Compositional dependence of transport anisotropy in large (La, Sr) ₂ CuO ₄ single crystals and second peak in magnetization curves. Physica C: Superconductivity and Its Applications, 1992, 192, 247-252.	0.6	167
7	Limiting factors of normal-state conductivity in superconducting MgB ₂ : an application of mean-field theory for a site percolation problem. Superconductor Science and Technology, 2007, 20, 658-666.	1.8	144
8	Improved critical current properties observed in MgB ₂ bulks synthesized by low-temperature solid-state reaction. Superconductor Science and Technology, 2005, 18, 116-121.	1.8	134
9	Single Crystal Growth of Bi ₂ Sr ₂ Ca ₂ Fe _{1-x} Cu _x Superconductors by the Floating Zone Method. Journal of the Ceramic Society of Japan, 1989, 97, 1009-1014.	1.3	122
10	New High Temperature Superconducting Oxides. (La _{1-x} Sr _x) ₂ CuO _{4-δ} and (La _{1-x} Ca _x) ₂ CuO _{4-δ} . Chemistry Letters, 1987, 16, 429-432.	0.7	108
11	Magnetic Field-Induced Martensitic Transformation and Giant Magnetostriction in Fe-Ni-Co-Ti and Ordered Fe ₃ Pt Shape Memory Alloys. Materials Transactions, JIM, 2000, 41, 882-887.	0.9	106
12	A New Layered Iron Arsenide Superconductor: (Ca,Pr)FeAs ₂ . Journal of the American Chemical Society, 2014, 136, 846-849.	6.6	105
13	Observation of Nuclear Resonance of Cu in Antiferromagnetic La ₂ CuO _{4-δ} and CuO. Journal of the Physical Society of Japan, 1988, 57, 2908-2911.	0.7	104
14	Magnetic field-induced strain in iron-based ferromagnetic shape memory alloys. Journal of Applied Physics, 2003, 93, 8647-8649.	1.1	100
15	Thermoelectric properties of highly grain-aligned and densified Co-based oxide ceramics. Journal of Applied Physics, 2003, 93, 2653-2658.	1.1	89
16	Permanent magnet with MgB ₂ bulk superconductor. Applied Physics Letters, 2014, 105, .	1.5	85
17	Levitation of metallic melt by using the simultaneous imposition of the alternating and the static magnetic fields. Journal of Crystal Growth, 2004, 260, 475-485.	0.7	81
18	High Tc Superconductivity in Screen Printed Yb-Ba-Cu-O Films. Japanese Journal of Applied Physics, 1987, 26, L761-L762.	0.8	80

#	ARTICLE	IF	CITATIONS
19	Homologous series of iron pnictide oxide superconductors $(\text{Fe}_2\text{As}_2)[\text{Ca}_{n+1}(\text{Sc},\text{Ti})_n\text{O}_y]$ ($n=3,4,5$) with extremely thick blocking layers. Applied Physics Letters, 2010, 97, .	1.5	78
20	Essential factors for the critical current density in superconducting MgB_2 : connectivity and flux pinning by grain boundaries. Superconductor Science and Technology, 2008, 21, 015008.	1.8	77
21	Electric and Magnetic Properties of La_2CuO_4 . Japanese Journal of Applied Physics, 1987, 26, L445-L446.	0.8	75
22	New iron-based arsenide oxides $(\text{Fe}_2\text{As}_2)(\text{Sr}_4\text{M}_2\text{O}_6)$ ($M = \text{Sc}, \text{Cr}$). Superconductor Science and Technology, 2009, 22, 085001.	1.8	73
23	Synthesis of high J_c MgB_2 bulks with high reproducibility by a modified powder-in-tube method. Superconductor Science and Technology, 2004, 17, 921-925.	1.8	72
24	Effect of Magnetic Field on Solidification in Cu-Pb Monotectic Alloys. ISIJ International, 2003, 43, 942-949.	0.6	71
25	NQR and NMR of ^{139}La in Antiferromagnetic La_2CuO_4 . Journal of the Physical Society of Japan, 1987, 56, 4559-4570.	0.7	70
26	New Candidates for Superconductors; A Series of Layered Oxysulfides $(\text{Cu}_2\text{S}_2)(\text{Sr}_{n+1}\text{M}_n\text{O}_{3n+1})$. Journal of Low Temperature Physics, 1999, 117, 729-733.	0.6	67
27	Growth and optical properties of $\text{Lu}_3(\text{Ga},\text{Al})_5\text{O}_{12}$ single crystals for scintillator application. Journal of Crystal Growth, 2009, 311, 908-911.	0.7	66
28	High critical current properties of MgB_2 bulks prepared by a diffusion method. Applied Physics Letters, 2005, 86, 222502.	1.5	64
29	Thermoelectric Performance of Magnetically c-Axis Aligned Ca-based Cobaltites. Japanese Journal of Applied Physics, 2003, 42, 7018-7022.	0.8	61
30	Enhanced flux pinning properties of $\text{YBa}_2\text{Cu}_3\text{O}_y$ by dilute impurity doping for CuO chain. Applied Physics Letters, 2006, 89, 202514.	1.5	60
31	A new homologous series of iron pnictide oxide superconductors $(\text{Fe}_2\text{As}_2)(\text{Ca}_{n+2}(\text{Al}, \text{Ti})_n\text{O}_y)$ ($n = 2, 3$). Tj ETQq1 1,0,784314,rgBT /O 1.8 59	1.8	59
32	Superconductivity Above 40 K Observed in a New Iron Arsenide Oxide $(\text{Fe}_2\text{As}_2)(\text{Ca}_4(\text{Mg},\text{Ti})_3\text{O}_y)$. Applied Physics Express, 2010, 3, 063103.	1.1	59
33	Superconductivity at 95 K in the New Yb-Ba-Cu Oxide System. Japanese Journal of Applied Physics, 1987, 26, L339-L341.	0.8	56
34	Oxygen Nonstoichiometry in Layered Cobaltite $\text{Ca}_3\text{Co}_4\text{O}_y$. Japanese Journal of Applied Physics, 2003, 42, L194-L197.	0.8	56
35	High T_c Yb-Ba-Cu-O Thin Films Deposited on Sintered YSZ Substrates by Sputtering. Japanese Journal of Applied Physics, 1987, 26, L738-L740.	0.8	55
36	High- T_c Superconductivity and Diamagnetism of Y-Ba-Cu Oxides. Japanese Journal of Applied Physics, 1987, 26, L320-L321.	0.8	50

#	ARTICLE	IF	CITATIONS
37	Rearrangement of Martensite Variants in Iron-Based Ferromagnetic Shape Memory Alloys under Magnetic Field. <i>Materials Transactions</i> , 2004, 45, 188-192.	0.4	50
38	Superconductivity in a new iron pnictide oxide (Fe ₂ As ₂)(Sr ₄ (Mg, Ti) ₂ O ₆). <i>Superconductor Science and Technology</i> , 2010, 23, 045001.	1.8	47
39	New Iron Arsenide Oxides (Fe ₂ As ₂)(Sr ₄ (Sc, Ti) ₃ O ₈), (Fe ₂ As ₂)(Ba ₄ Sc ₃ O _{7.5}), and (Fe ₂ As ₂)(Ba ₃ Sc ₂ O ₅). <i>Applied Physics Express</i> , 2010, 3, 063102.	1.1	46
40	Tri-axial Grain Orientation of Y ₂ Ba ₄ Cu ₇ O _x Achieved by the Magneto-science Method. <i>Applied Physics Express</i> , 0, 1, 111701.	1.1	46
41	High T _c Superconductivity of (La _{1-x} Sr _x) ₂ CuO ₄ -Effect of Substitution of Foreign Ions for Cu and La on Superconductivity. <i>Japanese Journal of Applied Physics</i> , 1987, 26, L337-L338.	0.8	45
42	Proton NMR in Degraded Powder of YBa ₂ Cu ₃ O _{7-δ} . <i>Japanese Journal of Applied Physics</i> , 1988, 27, 1652-1657.	0.8	45
43	Crossover from the first-order vortex phase transition to the peak effect in Bi ₂ Sr ₂ CaCu ₂ O _y having different oxygen contents. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 256, 111-118.	0.6	45
44	Alignment of BiMn Crystal Orientation in Bi-20 at%Mn alloys by Laser Melting under a Magnetic Field. <i>Materials Transactions</i> , 2003, 44, 2550-2554.	0.4	45
45	Strongly connected <i>ex situ</i> MgB ₂ polycrystalline bulks fabricated by solid-state self-sintering. <i>Superconductor Science and Technology</i> , 2012, 25, 115022.	1.8	45
46	High Pressure Study and the Critical Current of High T _c Superconductor (La _{0.9} Sr _{0.1}) ₂ CuO _{4-y} . <i>Japanese Journal of Applied Physics</i> , 1987, 26, L603-L605.	0.8	44
47	¹⁷ O NMR study of Y ₂ O ₃ -doped CeO ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 1984, 45, 1253-1257.	1.9	43
48	Contrasting Pressure Effects in Sr ₂ VFeAsO ₃ and Sr ₂ ScFePO ₃ . <i>Journal of the Physical Society of Japan</i> , 2009, 78, 123707.	0.7	42
49	Title is missing!. <i>Journal of Low Temperature Physics</i> , 2003, 131, 1043-1052.	0.6	41
50	Study on vacancy motion in Y ₂ O ₃ -doped CeO ₂ by ¹⁷ O NMR technique. <i>Journal of Physics and Chemistry of Solids</i> , 1985, 46, 1141-1146.	1.9	40
51	Synthesis and Thermoelectric Properties of Magnetically c-Axis-Oriented [Ca ₂ CoO ₃] _{0.62} CoO ₂ Bulk with Various Oxygen Contents. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L198-L200.	0.8	40
52	High-performance dense MgB ₂ superconducting wire fabricated from mechanically milled powder. <i>Superconductor Science and Technology</i> , 2017, 30, 044006.	1.8	40
53	Superconducting Properties of (La _{1-x} Sr _x) ₂ CuO ₄ . <i>Japanese Journal of Applied Physics</i> , 1987, 26, L443-L444.	0.8	39
54	Synthesis and physical properties of Ca _{1-x} RE _x FeAs ₂ with RE = La, Gd. <i>Applied Physics Express</i> , 2014, 7, 073102.	1.1	39

#	ARTICLE	IF	CITATIONS
55	Specific Heat and Superconductivity of $(\text{La}_{0.925}\text{Sr}_{0.075})_2\text{CuO}_4$. Japanese Journal of Applied Physics, 1987, 26, L751-L753.	0.8	38
56	Rearrangement of variants in Ni_2MnGa under magnetic field. Science and Technology of Advanced Materials, 2004, 5, 29-34.	2.8	38
57	Thermodynamic Estimation of Oxidation Ability of Various Gases Used for the Preparation of Superconducting Films at High Vacuum. Japanese Journal of Applied Physics, 1991, 30, 1685-1686.	0.8	37
58	Specific Heat and Superconductivity in $(\text{La}_{1-x}\text{Ca}_x)_2\text{CuO}_4$. Japanese Journal of Applied Physics, 1987, 26, L342-L344.	0.8	36
59	Magnetic studies on the field-driven transition from decoupled to coupled pancake vortex phase in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ with columnar defects. Physical Review B, 1998, 57, 14507-14510.	1.1	36
60	Enhanced critical current properties observed in Na_2CO_3 -doped MgB_2 . Superconductor Science and Technology, 2004, 17, 926-930.	1.8	35
61	Magnetic orientation and magnetic anisotropy in paramagnetic layered oxides containing rare-earth ions. Science and Technology of Advanced Materials, 2009, 10, 014604.	2.8	35
62	Pressure Effect on the Lattice Constant and Compressibility of a Superconductor $(\text{La}_{0.9}\text{Sr}_{0.1})_2\text{CuO}_{4-y}$. Japanese Journal of Applied Physics, 1987, 26, L504-L505.	0.8	33
63	Formation of Crystallographically Aligned BiMn Grains by Semi-solid Processing of Rapidly Solidified Bi-Mn Alloys under a Magnetic Field. Materials Transactions, 2003, 44, 2207-2212.	0.4	33
64	Magnetic Susceptibility of High- T_c Superconducting Oxides $(\text{La}, \text{A})_2\text{CuO}_4$ ($\text{A}=\text{Ba}, \text{Sr}$). Japanese Journal of Applied Physics, 1987, 26, L434-L436.	0.8	32
65	Ba-Y-Cu-O Thin Films Fabricated by Dip Coating Using Concentrated Mixed Alkoxide Solution. Japanese Journal of Applied Physics, 1988, 27, L867-L869.	0.8	32
66	Fabrication of porous aluminum with deep pores by using Al-In monotectic solidification and electrochemical etching. Materials Letters, 2004, 58, 911-915.	1.3	31
67	Rf Power Dependence of AC Josephson Current in Point-Contacts of $\text{BaY}(\text{Tm})\text{CuO}$ Ceramics. Japanese Journal of Applied Physics, 1987, 26, L671-L672.	0.8	30
68	Fabrication of multilayered oxide thermoelectric modules by electrophoretic deposition under high magnetic fields. Applied Physics Letters, 2006, 89, 081912.	1.5	30
69	Enhanced trapped field in MgB_2 bulk magnets by tuning grain boundary pinning through milling. Superconductor Science and Technology, 2015, 28, 055016.	1.8	30
70	Bulk Superconductivity of Y-Ba-Cu-O and Er-Ba-Cu-O. Japanese Journal of Applied Physics, 1987, 26, L601-L602.	0.8	29
71	Electronic State and Glow Discharge Decomposition of Tetramethyldisilane. Japanese Journal of Applied Physics, 1986, 25, 1811-1814.	0.8	27
72	Reactivity of carbides in synthesis of MgB_2 bulks. Physica C: Superconductivity and Its Applications, 2006, 445-448, 801-805.	0.6	26

#	ARTICLE	IF	CITATIONS
73	Thermally induced dimensional crossover in single-crystal $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_x$. <i>Physical Review B</i> , 1995, 52, 3765-3768.	1.1	25
74	High-Tc Superconductivity of La-Ba(Sr)-Cu Oxides. IV -Critical Magnetic Fields. <i>Japanese Journal of Applied Physics</i> , 1987, 26, L196-L197.	0.8	24
75	Co and Mn doping effect in polycrystalline (Ca,La) and $(\text{Ca},\text{Pr})\text{FeAs}_2$ superconductors. <i>Superconductor Science and Technology</i> , 2015, 28, 065001.	1.8	24
76	Giant magnetic field-induced strain due to rearrangement of variants in an ordered Fe_3Pt . <i>Science and Technology of Advanced Materials</i> , 2004, 5, 35-40.	2.8	23
77	Synthesis and Superconducting Properties of Layered Ruthenocuprates. <i>Journal of Low Temperature Physics</i> , 1999, 117, 855-859.	0.6	22
78	Enhancement of Critical Current Density in $\text{ErBa}_2\text{Cu}_3\text{O}_y$ Thin Films by Post-Annealing. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L1223-L1225.	0.8	22
79	Rare-Earth-Dependent Magnetic Anisotropy in $\text{REBa}_2\text{Cu}_3\text{O}_{y+z}$. <i>Applied Physics Express</i> , 0, 1, 031701.	1.1	22
80	Josephson coupling in the vortex-liquid state of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ with columnar defects. <i>Physical Review B</i> , 1999, 59, 8970-8977.	1.1	21
81	Effects of sintering conditions on critical current properties and microstructures of MgB_2 bulks. <i>Physica C: Superconductivity and Its Applications</i> , 2005, 426-431, 1220-1224.	0.6	21
82	Towards the Realization of Higher Connectivity in MgB_2 Conductors: In-situ or Sintered Ex-situ?. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 010105.	0.8	21
83	Effect of Lanthanide Ion Substitutions for Lanthanum Sites on Superconductivity of $(\text{La}_{1-x}\text{Sr}_x)_2\text{CuO}_4$. <i>Japanese Journal of Applied Physics</i> , 1987, 26, L391-L393.	0.8	20
84	Nonlinear Meissner Effect in Double Layered High-Tc Cuprates Investigated by Measurement of the Penetration Depth. <i>Journal of the Physical Society of Japan</i> , 1996, 65, 3638-3645.	0.7	20
85	Flux pinning properties of impurity doped MgB_2 bulks synthesized by diffusion method. <i>Physica C: Superconductivity and Its Applications</i> , 2005, 426-431, 1225-1230.	0.6	20
86	High Tc Superconductivity in Tm-Ba-Cu-O System. <i>Japanese Journal of Applied Physics</i> , 1987, 26, L613-L614.	0.8	18
87	Microstructural connectivity in sintered ex-situ MgB_2 bulk superconductors. <i>Journal of Alloys and Compounds</i> , 2016, 656, 172-180.	2.8	18
88	Enhancement on J_c of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$ by electron irradiation. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 185-189, 2383-2384.	0.6	17
89	Enhanced flux pinning properties of $\text{Bi}(\text{Pb})_{2212}$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 408-410, 40-41.	0.6	17
90	Condensation energy density in Bi-2212 superconductors. <i>Superconductor Science and Technology</i> , 2006, 19, 200-205.	1.8	17

#	ARTICLE	IF	CITATIONS
91	Towards the Realization of Higher Connectivity in MgB ₂ Conductors: In-situ or Sintered Ex-situ?. Japanese Journal of Applied Physics, 2012, 51, 010105.	0.8	17
92	Effect of Residual Water on Superconductivity in (La _{1-x} Sr _x) ₂ CuO _{4-δ} . Japanese Journal of Applied Physics, 1987, 26, L466-L467.	0.8	16
93	Improved critical current properties of MgB ₂ bulks by controlling microstructures. Journal of Physics: Conference Series, 2006, 43, 119-122.	0.3	16
94	Suppression of defect related host luminescence in LuAG single crystals. Physics Procedia, 2009, 2, 191-205.	1.2	16
95	Self-sintering-assisted high intergranular connectivity in ball-milled MgB ₂ bulks. Superconductor Science and Technology, 2014, 27, 114001.	1.8	16
96	Topotactic synthesis of a new BiS ₂ -based superconductor Bi ₂ (O,F)S ₂ . Applied Physics Express, 2015, 8, 023102.	1.1	16
97	¹⁷ O NMR relaxation study of δ-Bi ₂ O ₃ . Solid State Communications, 1985, 53, 83-85.	0.9	15
98	Phase Transition Study of C70 Crystal at around 340 K by Single-Crystal X-Ray Diffraction. Japanese Journal of Applied Physics, 1994, 33, 6281-6285.	0.8	15
99	Martensitic Transformation in Shape Memory Alloys under Magnetic Field and Hydrostatic Pressure. Materials Transactions, 2002, 43, 887-892.	0.4	15
100	New Series of Nickel-Based Pnictide Oxide Superconductors (Ni ₂ Pn ₂)(Sr ₄ Sc ₂ O ₆) (Pn= P, As). Applied Physics Express, 2009, 2, 063007.	1.1	15
101	Significant enhancement of the intergrain coupling in lightly F-doped SmFeAsO superconductors. Superconductor Science and Technology, 2013, 26, 065006.	1.8	15
102	Resistivity Anomaly Near Room Temperature of Y-Ba-Cu-O and Related Oxides as Created by the Surface Effect of Water. Japanese Journal of Applied Physics, 1987, 26, L1979-L1981.	0.8	14
103	3-Dimensional Grain Orientation of RE-Ba-Cu-O Superconductors Using a Modulated Oval Magnetic Field. IEEE Transactions on Applied Superconductivity, 2009, 19, 2961-2964.	1.1	14
104	The formation of defects and their influence on inter- and intra-granular current in sintered polycrystalline 122 phase Fe-based superconductors. Superconductor Science and Technology, 2019, 32, 084003.	1.8	14
105	Superconductivity Achieved at Over Liquid Nitrogen Temperature by (Mixed Rare Earths)-Ba-Cu Oxides. Japanese Journal of Applied Physics, 1987, 26, L694-L696.	0.8	13
106	Anomalous Temperature Dependence of ¹³⁹ La Nuclear Spin-Lattice Relaxation in La ₂ CuO _{4-δ} and (La _{0.9} Ca _{0.1}) ₂ CuO _{4-δ} . Journal of the Physical Society of Japan, 1988, 57, 1151-1154.	0.7	13
107	Development of Thermoelectric Bi-Based Cobaltites with an Easy Axis of Magnetization Parallel to the C-Axis for Magnetic Alignment. Japanese Journal of Applied Physics, 2005, 44, L1263-L1266.	0.8	13
108	A new iron pnictide oxide (Fe ₂ As ₂)(Ca ₅ (Mg, Tl)ETQqO ₀ 0 rgBT /Overlock 10 Tf 50 67 Td (Ti) <su	1.8	13
	Superconductor Science and Technology, 2011, 24, 085020.		

#	ARTICLE	IF	CITATIONS
109	Microstructures and improved J_c characteristics of Cl-containing YBCO thin films prepared by the fluorine-free MOD method. Superconductor Science and Technology, 2016, 29, 015006.	1.8	13
110	Electron Tunneling Measurements of High-Tc Superconductor Bi-Sr-Ca-Cu-O by STM. Japanese Journal of Applied Physics, 1989, 28, L179-L182.	0.8	12
111	Direct Evidence of the Anisotropic Structure of Vortices Interacting with Columnar Defects in High-Temperature Superconductors through the Analysis of Lorentz Images. Journal of the Physical Society of Japan, 2002, 71, 1840-1843.	0.7	12
112	Influence of Magnetic Field Direction on Rearrangement of Martensite Variants in an Fe-Pd Alloy. Materials Transactions, 2003, 44, 2495-2498.	0.4	12
113	Formation of Crystallographically Aligned Grains during Coarsening in a Magnetic Field. Materials Transactions, 2003, 44, 2555-2562.	0.4	12
114	Dramatic effects of chlorine doping on J_c and microstructure of fluorine-free MOD Y123 thin films. Superconductor Science and Technology, 2014, 27, 095017.	1.8	12
115	Chemical Aspects of High-Temperature Superconducting Oxides. ACS Symposium Series, 1987, , 38-48.	0.5	11
116	Flux pinning properties of undoped and C-doped MgB ₂ bulks with controlled grain sizes. Physica C: Superconductivity and Its Applications, 2007, 460-462, 572-573.	0.6	11
117	Chemical (Sr,Co)-doping effect on critical current density for Dy123 melt-solidified bulks. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 151, 69-73.	1.7	11
118	Tri-axial magnetic anisotropies in RE ₂ Ba ₄ Cu ₇ O _{15-y} superconductors. Journal of Applied Physics, 2014, 115, .	1.1	11
119	The second peak effect observed in Sr-overdoped (La _{1-x} Sr _x) ₂ CuO _{4-y} single crystals with various oxygen deficiencies δ . Physica C: Superconductivity and Its Applications, 1996, 271, 265-271.	0.6	10
120	Dramatically Enhanced Flux Pinning Properties of Cation Composition Controlled Bi(Pb) ₂ 212 Single Crystals. Journal of Physics: Conference Series, 2006, 43, 231-234.	0.3	10
121	Magnetic properties of Bi ₂ 212 single crystals with Bi:Sr:Ca:Cu=2:2:1:2. Physica C: Superconductivity and Its Applications, 2007, 460-462, 772-773.	0.6	10
122	Excitonic luminescence in two-dimensionally confined layered sulfide oxides. Applied Physics Letters, 2012, 101, 191901.	1.5	10
123	Understanding routes for high connectivity in <i>ex situ</i> MgB ₂ by self-sintering. Superconductor Science and Technology, 2014, 27, 044012.	1.8	10
124	Enhancement of intergranular current density of Sm-based oxypnictide superconductors with Sn addition. Superconductor Science and Technology, 2014, 27, 085010.	1.8	10
125	Study of the Upper Critical Field H_{c2} for High-Tc Superconductors in Pulsed High Magnetic Fields. Japanese Journal of Applied Physics, 1987, 26, 1187.	0.8	10
126	High-Resolution Transmission Electron Microscopy of Commensurate Modulation in Bi ₂ Sr ₂ CoO _y . Japanese Journal of Applied Physics, 1989, 28, L1991-L1994.	0.8	9

#	ARTICLE	IF	CITATIONS
127	RF field penetration into a Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystal in the mixed state. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1991-1992.	0.6	9
128	The universal scaling of flux lattice melting line of Bi ₂ 212 under H c. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2055-2056.	0.6	9
129	Suppression of Host Luminescence in the Pr:LuAG Scintillator. IEEE Transactions on Nuclear Science, 2008, 55, 1197-1200.	1.2	9
130	Pressure Dependence of Superconducting Transition Temperature on Perovskite-Type Fe-Based Superconductors and NMR Study of Sr ₂ VFeAsO ₃ . Journal of the Physical Society of Japan, 2011, 80, 014712.	0.7	9
131	Solubility and Diffusion Coefficient of Sulfur in Silver. Bulletin of the Chemical Society of Japan, 1978, 51, 3067-3068.	2.0	8
132	Excellent Critical Current Properties of Dilute Sr-Doped Dy ₁₂₃ Melt-Solidified Bulks at Low Temperatures. IEEE Transactions on Applied Superconductivity, 2009, 19, 3487-3490.	1.1	8
133	Synthesis of Bi ₂₂₂₃ by Low $P_{\{m O\}2}$ Sintering. IEEE Transactions on Applied Superconductivity, 2013, 23, 6400604-6400604.	1.1	8
134	Electromagnetic properties and microstructures of in situ MgB ₂ wires made from three types of boron powders. Superconductor Science and Technology, 2016, 29, 105016.	1.8	8
135	Anomalies in the Pulsed Photoconductivity of Undoped C ₆₀ and Their Relationship to Phase Transitions. Journal of the Physical Society of Japan, 1995, 64, 527-532.	0.7	8
136	Effect of Heat Treatment on the Low-Temperature NQR Spectrum of ¹³⁹ La in Single Crystals and Polycrystals of the Antiferromagnetic La ₂ CuO ₄ . Journal of the Physical Society of Japan, 1988, 57, 1159-1162.	0.7	7
137	High-Resolution Transmission Electron Microscopy of Superconducting and Non-Superconducting Phases in a Bi–Sr–Cu–O System. Materials Transactions, JIM, 1990, 31, 595-601.	0.9	7
138	Is the tetragonal overdoped phase (La, Sr) ₂ CuO ₄ superconductive?. Journal of Superconductivity and Novel Magnetism, 1994, 7, 27-31.	0.5	7
139	Bulk superconductivity observed in (Co,Cu)(Sr,Ba) ₂ (Y,Ca)Cu ₂ O _y . Physica C: Superconductivity and Its Applications, 2005, 426-431, 487-491.	0.6	7
140	Improvement of thermoelectric performance in magnetically c-axis-oriented bismuth-based cobaltites. Scripta Materialia, 2007, 57, 333-336.	2.6	7
141	Synthesis of High Purity Bi(Pb) ₂₂₂₃ Tapes With High $T_{\{m c\}}$ Above 115 K. IEEE Transactions on Applied Superconductivity, 2011, 21, 2812-2815.	1.1	7
142	Effect of Packing Density on Critical Current Density at High Magnetic Fields in Polycrystalline MgB ₂ Superconductors. Japanese Journal of Applied Physics, 2012, 51, 123103.	0.8	7
143	Weak-link behaviour observed in iron-based superconductors with thick perovskite-type blocking layers. Superconductor Science and Technology, 2013, 26, 105020.	1.8	7
144	High Field Measurement of the Critical Field in (La _{1-x} Sr _x) ₂ CuO ₄ up to 40 T. Japanese Journal of Applied Physics, 1987, 26, L413-L414.	0.8	6

#	ARTICLE	IF	CITATIONS
145	On the similarity of the spectral weight pattern of $\text{Bi}_2\text{Sr}_2\text{CaCuO}_8+\hat{\Gamma}$ and $\text{La}_{1.48}\text{Nd}_{0.4}\text{Sr}_{0.12}\text{CuO}_4$. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2097-2098.	0.6	6
146	c-Axis-Related Vortex Pinning Center Induced by Dilute Co-doping in Pulsed-Laser-Deposition- $\text{ErBa}_2\text{Cu}_3\text{O}_y$ Films. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L617-L620.	0.8	6
147	On the possibility of MgB_2 -like superconductivity in potassium hexaboride. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S633-S634.	0.6	6
148	Relationship Between Crystal Structures and Physical Properties in Iron Arsenides with Perovskite-type Layers. <i>Physics Procedia</i> , 2012, 36, 722-726.	1.2	6
149	Irreversibility lines of layered Fe-based superconductors with thick blocking layers. <i>Solid State Communications</i> , 2012, 152, 640-643.	0.9	6
150	Luminescence properties of layered chalcogenide oxides $\text{Ba}_3\text{RE}_2\text{Ag}_2\text{Se}_2\text{O}_5$. <i>Optical Materials</i> , 2014, 36, 1978-1981.	1.7	6
151	Microstructural Characteristics of Ball-Milled Self-Sintered <i>Ex Situ</i> MgB_2 Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , 2015, 25, 1-5.	1.1	6
152	Fabrication of Bi_2223 bulks with high critical current properties sintered in Ag tubes. <i>Physica C: Superconductivity and Its Applications</i> , 2017, 534, 9-12.	0.6	6
153	Relationship between Crystallinity and Critical Current Properties of MgB_2 Bulks. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , 2005, 40, 466-472.	0.1	6
154	Improvement of Flux Pinning Properties of RE123 Materials by Chemical Doping. <i>Journal of Physics: Conference Series</i> , 2006, 43, 235-238.	0.3	5
155	Dramatic effects of excess oxygen on physical properties and crystal structure of $\text{La}_{0.95}\text{Sr}_{0.05}\text{MnO}_y$ single crystal. <i>Solid State Communications</i> , 2007, 142, 429-433.	0.9	5
156	Improved Superconducting Properties of YBCO Melt-Solidified Bulks by Addition of BaCuOCl . <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-4.	1.1	5
157	Intrinsic Pinning of the Josephson Vortex in a Two-Dimensional Superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8+\hat{\Gamma}$ Studied via the Conversion of Ultrasonic to Electromagnetic Waves. <i>Journal of the Physical Society of Japan</i> , 1998, 67, 1391-1400.	0.7	4
158	Re-induced Raman active modes in $\text{HgBa}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_{2n+2}+\hat{\Gamma}$ compounds. <i>Physical Review B</i> , 1999, 60, 3244-3251.	1.1	4
159	Grain Size Determinants and Grain-Boundary Pinning in In-situ MgB_2 Bulks. <i>TEION KOGAKU (Journal of)</i> Tj ETQq1 1 0,784314,rgBT /Over	0.1	4
160	Development of c-Axis Oriented MgB_2 Bulks by Magnetic Field Orientation Method. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2010, 74, 428-433.	0.2	4
161	Pressure Effects on Superconducting Properties of the Bi_2 -Based Superconductor $\text{Bi}_2(\text{O,F})\text{S}_2$. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 084703.	0.7	4
162	Development of Polycrystalline Bulk MgB_2 Superconducting Magnet by Hot-pressing. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2016, 80, 457-461.	0.2	4

#	ARTICLE	IF	CITATIONS
163	Microstructure and critical parameter of oxide superconducting ceramics.. Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1988, 35, 841-846.	0.1	3
164	Processing and properties of highly dense oxide superconducting ceramics prepared by coprecipitation method.. Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1988, 35, 333-338.	0.1	3
165	Infrared furnace with a superconducting magnet for floating zone growth of oxide single crystals. Review of Scientific Instruments, 2005, 76, 035104.	0.6	3
166	Enhanced flux pinning properties of RE123 crystals by dilute impurity doping for Cuâ€“O chain. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1345-1346.	0.6	3
167	Effects of phosphorous doping on the superconducting properties of SmFeAs(O,F). Physica C: Superconductivity and Its Applications, 2014, 504, 19-23.	0.6	3
168	Effects of densification of precursor pellets on microstructures and critical current properties of YBCO melt-textured bulks. Physica C: Superconductivity and Its Applications, 2016, 531, 79-84.	0.6	3
169	Synthesis, structure, and luminescence properties of layered oxychloride Ba ₃ Y ₂ O ₅ Cl ₂ . Journal of Materials Chemistry C, 2020, 8, 17162-17168.	2.7	3
170	Synthesis, Electronic Structure, and Physical Properties of Layered Oxypnictides Sr ₂ ScCrAsO ₃ and Ba ₃ Sc ₂ Cr ₂ As ₂ O ₅ . Inorganic Chemistry, 2021, 60, 1930-1936.	1.9	3
171	Temperature Dependence of Jc for RE123 Superconductors. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq1 1,0,784314 rgBT /C 0.1	0.1	3
172	Nuclear magnetic relaxation of 63Cu in high Tc related antiferromagnetic Cu oxides. Physica C: Superconductivity and Its Applications, 1991, 185-189, 1185-1186.	0.6	2
173	Synthesis of YSr ₂ Cu ₃ O _y under ambient pressure. Physica C: Superconductivity and Its Applications, 1997, 282-287, 515-516.	0.6	2
174	The second peak effect observed in (La _{1-x} Sr _x) ₂ CuO ₄ single crystals. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2239-2240.	0.6	2
175	Generic guiding principle of HTSC material design for high-field application. Physica B: Condensed Matter, 2000, 280, 249-250.	1.3	2
176	Local Magnetic Properties of Underdoped La _{2-x} Sr _x CuO ₄ Single Crystal Probed by Scanning Superconducting Quantum Interference Device Microscopy. Japanese Journal of Applied Physics, 2001, 40, L1359-L1361.	0.8	2
177	Magnetization Process Associated with Rearrangement of Martensite Variants in Iron-Based Ferromagnetic Shape Memory Alloys. Materials Research Society Symposia Proceedings, 2003, 785, 1231.	0.1	2
178	Shape Anisotropy Evolution of Co Grains in Cu-30at%Co Alloy by Annealing under Magnetic Field. ISIJ International, 2003, 43, 869-876.	0.6	2
179	Oxygen Nonstoichiometry of Various Functional Layered Oxides. Materials Research Society Symposia Proceedings, 2004, 848, 65.	0.1	2
180	Temperature Dependence of Rearrangement of Martensite Variants in a Ferromagnetic Shape Memory Alloy Ni ₂ MnGa. Materials Science Forum, 2005, 475-479, 2021-2024.	0.3	2

#	ARTICLE	IF	CITATIONS
181	Magnetic tri-axial grain alignment in misfit-layered bismuth-based cobaltites. Journal of Applied Physics, 2012, 112, 043913.	1.1	2
182	Influences of Microstructure on Critical Current Properties in MgB ₂ Superconducting Bulk Fabricated using a Premix-P ICT Method. TEION KOGAKU (Journal of Cryogenics and Superconductivity) Tj ETQq0 0 0. ngBT /Overlock 10 T		
183	Enhancement of Critical Current Density on Bi ₂ Sr ₂ CaCu ₂ O _y by 120 MeV O ⁷⁺ Ion Irradiation. , 1994, , 555-558.		2
184	Processing Effects on Microstructure, Flux Pinning and Critical Current Density of Cuprate Superconductors. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 184, 369-376.	0.3	1
185	Kinetics of Magnetic Relaxation and Determination of Activation Energy in High- T_c Superconductors. Japanese Journal of Applied Physics, 1994, 33, L843-L845.	0.8	1
186	Phase transition in the mixed state of Bi ₂ Sr ₂ CaCu ₂ O _y observed by local and macroscopic magnetometry. European Physical Journal D, 1996, 46, 1559-1560.	0.4	1
187	Doping level dependence of magnetization anomalies and heat capacity of Bi ₂ Sr ₂ CaCu ₂ O ₈ + $\hat{\Gamma}$ in the mixed state. Physica C: Superconductivity and Its Applications, 1996, 263, 434-437.	0.6	1
188	Nernst effect in the mixed state of YBa ₂ Cu ₃ O _{7$\hat{\Gamma}$} and Bi ₂ .1Sr _{1.8} Ca ₁ Cu ₂ O ₈ + $\hat{\Gamma}$. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2009-2010.	0.6	1
189	Influence of Grain Boundary on Magnetoresistance in Hole Doped Manganites La _{0.7} Ca _{0.3} MnO ₃ , La _{0.7} Sr _{0.3} MnO ₃ and (La _{0.75} Y _{0.25}) _{0.7} Sr _{0.3} MnO ₃ . Materials Transactions, 2003, 44, 2588-2593.	0.4	1
190	Observation of Compositional Fluctuation by Scanning Superconducting Quantum Interference Device (SQUID) Microscope in Superconducting La _{1.8} Sr _{0.2} CuO ₄ . Japanese Journal of Applied Physics, 2004, 43, L1327-L1329.	0.8	1
191	Oxygen-Annealing Effects on Superconducting Properties of ErBa ₂ Cu ₃ O _y Thin Films Fabricated by Pulsed Laser Deposition Method. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2004, 68, 748-755.	0.2	1
192	Fabrication of Grain-Aligned Bulks and Thick Films of Misfit Layered Cobalt Oxides by a Magneto-Scientific Process. Materials Research Society Symposia Proceedings, 2005, 886, 1.	0.1	1
193	Synthesis of Hg(Re) ₁₂₂₃ Tapes by PIT Method Using NiO/Ni Sheath. Journal of Physics: Conference Series, 2006, 43, 162-165.	0.3	1
194	Interpretation of X-Ray Line Profile of Polycrystalline MgB_2 . IEEE Transactions on Applied Superconductivity, 2009, 19, 2690-2693.	1.1	1
195	Crystal structure and physical properties of new boride Ca _{1+μ} Co ₄ B ₄ . Journal of Physics: Conference Series, 2009, 176, 012016.	0.3	1
196	New Layered Nickel Arsenides (Ni ₂ As ₂)(Ba ₃ Sc ₂ O ₅), (Ni ₂ As ₂)(Ba ₄ Sc ₂ O ₆) and (Ni ₂ As ₂)(Ba ₄ Sc ₃ O ₈). Physics Procedia, 2012, 36, 727-730.	1.2	1
197	Potential for improvement of pinning properties for REBCO melt-textured bulks by high energy electron irradiation. Physica C: Superconductivity and Its Applications, 2017, 537, 5-9.	0.6	1
198	Enhancement of Critical Current Density on Bi ₂ Sr ₂ CaCu ₂ O _y by Neutron Irradiation. , 1993, , 435-438.		1

#	ARTICLE	IF	CITATIONS
199	Carbon Substitution Effects on Critical Current Properties of Superconductor MgB ₂ . TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2006, 41, 489-496.	0.1	1
200	Effect of Packing Density on Critical Current Density at High Magnetic Fields in Polycrystalline MgB ₂ Superconductors. Japanese Journal of Applied Physics, 2012, 51, 123103.	0.8	1
201	Neutron Irradiation Effect on the Secondary Peak Observed in the Magnetization Curves of La ₂₁₄ Single Crystals. , 1996, , 567-570.		1
202	Chemical compositions and superconductivity of Bi-Sr-Cu-O system.. Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1990, 37, 64-68.	0.1	0
203	Ba-Free Mercury-Based Superconductors (Hg, M)Sr ₂ Ca _{n-1} Cu _n O _y (M=Re, Cr, Mo; n=2,3) Synthesized Under High-Pressure.. Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1995, 42, 798-803.	0.1	0
204	Local magnetic properties of high-T _c superconductors probed by scanning SQUID microscopy. Physica C: Superconductivity and Its Applications, 2003, 388-389, 267-268.	0.6	0
205	Rearrangement of martensite variants under magnetic field applied along [001], [011] and [111] directions in Fe-31.2mol%Pd. International Journal of Applied Electromagnetics and Mechanics, 2005, 21, 163-169.	0.3	0
206	Correlation between Vortex Distribution and Electronic Inhomogeneity in Bi ₂ Sr ₂ CaCu ₂ O ₈ + \hat{I} as Probed by STM/STS. AIP Conference Proceedings, 2006, , .	0.3	0
207	Strong Relationship between Irreversibility Field and Crystallinity Discovered in Undoped and Carbon Substituted MgB ₂ Bulks. Journal of Physics: Conference Series, 2006, 43, 111-114.	0.3	0
208	Dramatic Change in Magnetization Behaviors of La _{1.4} Sr _{1.6} Mn ₂ O ₇ + \hat{I} by Control of Excess Oxygen. Japanese Journal of Applied Physics, 2006, 45, L204-L206.	0.8	0
209	Direct Observation of Interlayer Josephson Vortices in Heavily Pb-Doped Bi ₂ Sr ₂ CaCu ₂ O _y by Scanning Superconducting Quantum Interference Device Microscopy. Japanese Journal of Applied Physics, 2006, 45, L490-L492.	0.8	0
210	Physical Properties of Oxygen Composition Controlled La _{1-x} Sr _x MnO _y Single Crystals. Materials Research Society Symposia Proceedings, 2006, 988, 1.	0.1	0
211	Thermoelectric Properties and Magnetic Anisotropies of Magnetically Grain-Oriented Sr- or Bi-doped Ca ₃ Co ₄ O ₉ Thick Films. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	0
212	Improvement of Thermoelectric Properties of p- and n-types Oxide Thick Films Fabricated by Electrophoretic Deposition. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	0
213	Direct observation of vortex lattice in Bi ₂ Sr ₂ CaCu ₂ O ₈ + \hat{I} by low temperature STM/STS. Physica C: Superconductivity and Its Applications, 2007, 460-462, 734-735.	0.6	0
214	Fabrication of Multi-Layered Thermoelectric Thick Films and their Thermoelectric Performance. Key Engineering Materials, 2009, 412, 291-296.	0.4	0
215	Elucidation of Crystal-Chemical Determination Factor of Magnetic Anisotropy in HTSC. IEEE Transactions on Applied Superconductivity, 2009, 19, 2965-2969.	1.1	0
216	Structural investigation of new series of nickel-based pnictide oxide superconductors (Ni ₂ Pn ₂)(Sr ₄ M ₂ O ₆) (Pn= P, As; M= Sc, V). Journal of Physics: Conference Series, 2010, 234, 012025.	0.3	0

#	ARTICLE	IF	CITATIONS
217	Electric property of the iron pnictide oxide superconductor (Fe ₂ As ₂)(Ca ₆ (Al, Ti) ₄ O _y) under hydrostatic pressure. Journal of Physics: Conference Series, 2012, 391, 012126.	0.3	0
218	Critical Current Properties of c -Axis Oriented Hg(Re)1223 Bulks. IEEE Transactions on Applied Superconductivity, 2013, 23, 6800404-6800404.	1.1	0
219	Bulk MgB ₂ Permanent Magnets. Asian Journal of Social Science Studies, 2016, , 537-548.	0.0	0
220	Magnetization Behavior of BSCCO with Various Configuration of Columnar Defects. , 2000, , 311-313.		0
221	The Effects of Ag-addition on In-situ Processed MgB ₂ Tapes. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq1 1.0, 784314 rgBT /Cve	0.1	0
222	Magnetic Torque in La _{2-x} Sr _x CuO ₄ Single Crystals with Various Carrier Doping States. , 1995, , 539-542.		0
223	Influence of Columnar Defects on the Reversible Magnetization of Bi ₂ 212. , 1998, , 95-98.		0
224	Vortex-Lattice Phase Transition in (La _{1-x} Sr _x) ₂ CuO ₄ Single Crystals: Universal Scaling of the Phase Transition Lines in HTSC. , 1998, , 449-452.		0