

# Takenori Fujii

## List of Publications by Year in descending order

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2,687  
citations

304743

22  
h-index

182427

51  
g-index

90  
all docs

90  
docs citations

90  
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2762  
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#	ARTICLE	IF	CITATIONS
1	Crossover Behavior of the Anomalous Hall Effect and Anomalous Nernst Effect in Itinerant Ferromagnets. <i>Physical Review Letters</i> , 2007, 99, 086602.	7.8	424
2	Distinct Fermi-Momentum-Dependent Energy Gaps in Deeply Underdoped Bi2212. <i>Science</i> , 2006, 314, 1910-1913.	12.6	337
3	Anisotropic Resistivities of Precisely Oxygen Controlled Single-Crystal Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> : Systematic Study on "Spin Gap" Effect. <i>Physical Review Letters</i> , 1997, 79, 2113-2116.	7.8	333
4	BCS-Like Bogoliubov Quasiparticles in High-T <sub>c</sub> Superconductors Observed by Angle-Resolved Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2003, 90, 217002.	7.8	146
5	Superconductivity in the noncentrosymmetric half-Heusler compound LuPtBi: A candidate for topological superconductivity. <i>Physical Review B</i> , 2013, 87, .	3.2	135
6	Pseudogap in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> Studied by Measuring Anisotropic Susceptibilities and Out-of-Plane Transport. <i>Physical Review Letters</i> , 2000, 84, 5848-5851.	7.8	112
7	Observation of Band Renormalization Effects in Hole-Doped High-T <sub>c</sub> Superconductors. <i>Physical Review Letters</i> , 2003, 91, 157003.	7.8	100
8	Thermal conductivity of the thermoelectric layered cobalt oxides measured by the Harman method. <i>Journal of Applied Physics</i> , 2004, 96, 931-933.	2.5	80
9	Single-crystal growth of Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10+δ</sub> (Bi-2223) by TSFZ method. <i>Journal of Crystal Growth</i> , 2001, 223, 175-180.	1.5	74
10	Oxygen nonstoichiometry and cobalt valence in misfit-layered cobalt oxides. <i>Journal of Solid State Chemistry</i> , 2004, 177, 3149-3155.	2.9	62
11	Low Energy Excitation and Scaling in Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>n-1</sub> Cu <sub>n</sub> O <sub>2n+4</sub> (n=1-3): Angle-Resolved Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2002, 89, 067005.	7.8	57
12	Interlayer tunneling spectroscopy and doping-dependent energy-gap structure of the trilayer superconductor Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10+δ</sub> . <i>Physical Review B</i> , 2003, 68, .	3.2	54
13	Large In-Plane Anisotropy on Resistivity and Thermopower in the Misfit Layered Oxide Bi <sub>2-x</sub> Pb <sub>x</sub> Sr <sub>2</sub> Co <sub>2</sub> O <sub>y</sub> . <i>Japanese Journal of Applied Physics</i> , 2002, 41, L783-L786.	1.5	53
14	Doping dependence of anisotropic resistivities in the trilayered superconductor Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10+δ</sub> . <i>Physical Review B</i> , 2002, 66, .	3.2	49
15	A momentum-dependent perspective on quasiparticle interference in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> . <i>Nature Physics</i> , 2009, 5, 718-721.	16.7	47
16	Experimental Observation of Long-Range Magnetic Order in Icosahedral Quasicrystals. <i>Journal of the American Chemical Society</i> , 2021, 143, 19938-19944.	13.7	46
17	Out-of-plane thermal conductivity of the layered thermoelectric oxide Bi <sub>2-x</sub> Pb <sub>x</sub> Sr <sub>2</sub> Co <sub>2</sub> O <sub>y</sub> . <i>Physical Review B</i> , 2004, 70, .	3.2	40
18	Antiferromagnetic order is possible in ternary quasicrystal approximants. <i>Physical Review B</i> , 2018, 98, .	3.2	38

#	ARTICLE	IF	CITATIONS
19	Composition-driven spin glass to ferromagnetic transition in the quasicrystal approximant Au-Al-Gd. <i>Physical Review B</i> , 2016, 93, .	3.2	34
20	Gap inhomogeneity, phase separation and a pseudogap in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ . <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 207-208.	1.2	32
21	Comparative study of transport properties of $\text{Bi}_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10+\delta}$ and $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 357-360, 173-176.	1.2	27
22	Systematics of electronic structure and interactions in $\text{Bi}_2\text{Sr}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_{2n+4}$ ( $n=1\sim 3$ ) by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2003, 67, .	3.2	27
23	Static Magnetic Order in Metallic $\text{K}_0.49\text{CoO}_2$ . <i>Physical Review Letters</i> , 2006, 96, 037206.	7.8	22
24	Antiferromagnetic order survives in the higher-order quasicrystal approximant. <i>Physical Review B</i> , 2019, 100, .	3.2	22
25	Specific heat, thermal conductivity, and magnetic susceptibility of cyanate ester resins – An alternative to commonly used epoxy resins. <i>Cryogenics</i> , 2018, 95, 76-81.	1.7	21
26	Synthesis and Magnetic Properties of NiSe, NiTe, CoSe, and CoTe. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 053001.	1.5	18
27	Investigation of charge interaction between fullerene derivatives and single-walled carbon nanotubes. <i>Informa Mater</i> , 2019, 1, 559-570.	17.3	17
28	Study of pseudogap phenomena by STM and other probes. <i>Journal of Physics and Chemistry of Solids</i> , 2001, 62, 65-68.	4.0	16
29	Spin fluctuations in the antiferromagnetic metal $\text{Nb}$ . <i>Physical Review B</i> , 2009, 80, .	3.2	15
30	Angle-resolved photoemission study of the doping evolution of a three-dimensional Fermi surface in $\text{NaCoO}_2$ . <i>New Journal of Physics</i> , 2011, 13, 043021.	2.9	15
31	Low temperature transport properties of pyrolytic graphite sheet. <i>Cryogenics</i> , 2017, 86, 118-122.	1.7	15
32	Electronic structure of single-crystalline thermoelectric $\text{Bi}_2\text{xPbxSr}_2\text{Co}_2\text{O}_y$ ( $x=0,0.6$ ) from photoemission and x-ray absorption. <i>Physical Review B</i> , 2006, 74, .	3.2	12
33	Out-of-plane thermopower of strongly correlated layered systems: An application to $\text{Bi}_2\text{O}_2$ . <i>Physical Review B</i> , 2009, 79, .	3.2	12
34	Control of thermoelectric properties of ZnO using electric double-layer transistor structure. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 111101.	1.5	12
35	In-plane anisotropy on the transport properties in the modulated $\text{Bi}_2\text{O}_2$ -based conductors $\text{Bi}_{2-2x}\text{Sr}_x\text{Co}_2\text{O}_{10}$ . <i>Physica C: Superconductivity and Its Applications</i> , 2002, 378-381, 182-186.	1.2	11
36	Single crystal growth of bulk $\text{InGaZnO}_4$ and analysis of its intrinsic transport properties. <i>CrystEngComm</i> , 2019, 21, 2985-2993.	2.6	11

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37	Block-Layer Concept for the Layered Cobalt Oxide: A Design for Thermoelectric Oxides. <i>Fundamental Materials Research</i> , 2003, , 71-87.	0.1	11
38	Unscaling Superconducting Parameters with Tc for Bi-2212 and Bi-2223: A Magnetotransport Study in the Superconductive Fluctuation Regime. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 024706.	1.6	10
39	Fermi Surface and Band Dispersions of MxCoO2 (M: Na, K, and Rb) Studied by Angle-Resolved Photoemission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 054704.	1.6	9
40	Structural Study of Inhomogeneous Charge Distribution of Inequivalent CuO2 Planes in Bi2.1Sr1.9Ca2Cu3O10+ $\delta$ Single Crystals. <i>Journal of the Physical Society of Japan</i> , 2003, 72, 2924-2929.	1.6	8
41	Evolution of electronic structure from insulator to superconductor in Bi2Sr2 $\hat{x}$ Lax(Ca,Y)Cu2O8+ $\hat{\delta}$ . <i>Physical Review B</i> , 2010, 81, .	3.2	8
42	Thermal Property Measurements of Critical Materials for SPICA Payload Module. <i>Physics Procedia</i> , 2015, 67, 270-275.	1.2	8
43	Evidence for transition of Fermi-surface topology in highly doped $\text{Na}_{x-3.2}\text{Bi}_{7-m}\text{Sr}_{m-7}\text{Cu}_2\text{O}_{8+\delta}$ . <i>Physical Review B</i> , 2010, 81, .	3.2	7
44	Anomalous Hall effect and Nernst effect in itinerant ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 2000-2002.	2.3	6
45	Control of carrier concentration in Bi-2212. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S170-S172.	1.2	6
46	Effect of stripe order strength for the Nernst effect in La2-xSrxCuO4 single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S21-S22.	1.2	6
47	Comparative $\hat{1}/4$ SR investigation of static magnetic order and anisotropy of the pure and Pb-doped Bi2Sr2Co2Oy layered cobalt dioxides. <i>Physical Review B</i> , 2008, 78, .	3.2	5
48	In-plane thermoelectric properties of heavily underdoped high-temperature superconductor Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\hat{\delta}$ . <i>Superconductor Science and Technology</i> , 2010, 23, 065018.	3.5	5
49	Room-temperature proton transport and its effect on thermopower in a solid ionic semiconductor, TTFCOONH4. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5089.	10.3	5
50	Single-crystal Growth of Underdoped Bi-2223. <i>Physics Procedia</i> , 2015, 65, 53-56.	1.2	5
51	Simultaneous control of thermoelectric properties in p- and n-type materials by electric double-layer gating: New design for thermoelectric device. <i>Applied Physics Express</i> , 2015, 8, 051101.	2.4	5
52	Novel approaches to crystallize materials with narrow liquidus lines: application to spin ladder compound La4+4nCu8+2nO14+8n (n=2,3) and high-Tc cuprate Bi-2223. <i>Journal of Crystal Growth</i> , 2001, 229, 316-320.	1.5	4
53	Transport properties of Bi2Sr2 $\hat{x}$ LaxCaCu2O8+ $\hat{\delta}$ single crystals grown by a floating-zone method. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 392-396, 238-242.	1.2	4
54	Electronic and magnetic properties of novel layered cobalt dioxides A x CoO2 with A=Li, Na, and K. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 883-893.	2.2	4

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55	Experimental Presentation of Microwave Absorption due to Shaking of JV by AC Magnetic Field in Bi2212 and Bi2223. Journal of Superconductivity and Novel Magnetism, 2009, 22, 387-399.	1.8	4
56	Optical designing of LiteBIRD. , 2016, , .		4
57	Magnetic Susceptibility of Ca <sub>1-x</sub> NaxPd3O <sub>4</sub> . Journal of the Physical Society of Japan, 2001, 70, 1772-1776.	1.6	3
58	The effects of the misfit structure on thermoelectric properties of Bi <sub>2-x</sub> Pb <sub>x</sub> /Sr <sub>2</sub> /Co <sub>2</sub> O <sub>y</sub> single crystals. , 0, , .		3
59	Field cooling memory effect in Bi2212 and Bi2223 single crystals. Superconductor Science and Technology, 2010, 23, 075001.	3.5	3
60	Demonstration of a thermoelectric device using electric double-layer gating: Simultaneous control of the thermoelectric properties of p-type and n-type carbon nanotubes. Journal of Applied Physics, 2021, 129, .	2.5	3
61	Revised phase diagram of the high- $T_c$ cuprate superconductor Pb-doped Bi <sub>2-x</sub> Pb <sub>x</sub> /Sr <sub>2</sub> /Co <sub>2</sub> O <sub>y</sub> single crystals. Journal of Applied Physics, 2021, 129, .	3.2	3
62	Thermopower anisotropy of lightly-doped and optimally-doped Bi <sub>2</sub> Sr <sub>2-<math>\tilde{x}</math></sub> LaxCaCu <sub>2</sub> O <sub>8+<math>\tilde{\delta}</math></sub> single crystals. Physica C: Superconductivity and Its Applications, 2004, 408-410, 674-676.	1.2	2
63	Reconstruction of the Fermi surface and the anisotropic excitation gap of Na <sub>0.5</sub> Bi <sub>2-x</sub> Pb <sub>x</sub> /Sr <sub>2</sub> /Co <sub>2</sub> O <sub>y</sub> single crystals. Physical Review B, 2009, 80, .	3.2	2
64	Cu 2p-1s x-ray emission spectroscopy of mineral tetrahedrite Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> . Radiation Physics and Chemistry, 2020, 175, 108148.	2.8	2
65	Anisotropic transport properties of impurity (Co) doped and oxygen controlled single-crystal Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+<math>\tilde{\delta}</math></sub> : Evidence of temperature-dependent interlayer coupling and a pseudogap. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1169-1170.	1.2	1
66	Anisotropy in the superconducting state and c-axis resistivity of precisely oxygen controlled Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+<math>\tilde{\delta}</math></sub> single crystals. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1873-1874.	1.2	1
67	Magneto-thermoelectric effects of the layered cobalt oxides. , 0, , .		1
68	Low Energy Excitation in Bi <sub>2</sub> Sr <sub>2</sub> Can-1CunO <sub>2n+4</sub> (n = 1-3) Studied by High-Resolution Arpes. International Journal of Modern Physics B, 2003, 17, 3554-3558.	2.0	1
69	Spectral evidence for Bogoliubov quasiparticle in triple-layered high-T <sub>c</sub> superconductor Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10</sub> . Physica C: Superconductivity and Its Applications, 2004, 408-410, 814-815.	1.2	1
70	Magnetic interaction in hole-doped high-T <sub>c</sub> superconductors observed by angle-resolved photoemission spectroscopy. Physica C: Superconductivity and Its Applications, 2004, 412-414, 51-58.	1.2	1
71	Anomalous Hall effect and Nernst effect in itinerant ferromagnets. Journal of Magnetism and Magnetic Materials, 2007, 310, 1053-1055.	2.3	1
72	Electronic structure of MxCoO <sub>2</sub> (M: Na, K, and Rb) studied by high-resolution angle-resolved photoemission spectroscopy. Physica C: Superconductivity and Its Applications, 2007, 463-465, 149-151.	1.2	1

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73	Universal character of CoO <sub>2</sub> plane studied by high-resolution angle-resolved photoemission. Physica B: Condensed Matter, 2008, 403, 1086-1088.	2.7	1
74	High-T <sub>c</sub> superconductor near the S <sub>d</sub> transition. Physica C: Superconductivity and Its Applications, 2009, 469, 1016-1019.	1.2	1
75	Static magnetic order and anisotropy of the layered cobalt dioxides and. Physica B: Condensed Matter, 2009, 404, 773-776.	2.7	1
76	STM/STS study of electronic states in highly underdoped Bi2212. Physica C: Superconductivity and Its Applications, 2010, 470, S173-S175.	1.2	1
77	Measurement of the thermopower anisotropy in iron arsenide. Physica C: Superconductivity and Its Applications, 2016, 530, 31-34.	1.2	1
78	4He permeation and H <sub>2</sub> O uptake of cyanate ester resins as an alternative to commonly used epoxy resins at low temperature. Journal of Physics: Conference Series, 2018, 969, 012080.	0.4	1
79	Trade-off studies on LiteBIRD reflectors. , 2017, , .		1
80	Polarization-Dependent Soft X-ray Absorption Spectroscopy Study of Layered Thermoelectric Cobalt Oxide: Bi <sub>2-x</sub> Pb <sub>x</sub> Sr <sub>2</sub> Co <sub>2</sub> O <sub>8+??</sub> . Journal of the Korean Physical Society, 2008, 53, 1010-1013.	0.7	1
81	Pseudogap in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+1</sub> studied by measuring anisotropic susceptibilities and out-of-plane transport. Physica C: Superconductivity and Its Applications, 2000, 341-348, 931-932.	1.2	0
82	Superconducting gap and pseudogap in Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10+1</sub> by short-pulse interlayer tunneling spectroscopy. Physica C: Superconductivity and Its Applications, 2003, 388-389, 285-286.	1.2	0
83	Direct evidence for superconducting quasiparticle in triple-layered high-T <sub>c</sub> superconductor. Physica C: Superconductivity and Its Applications, 2003, 388-389, 305-306.	1.2	0
84	Fermi surface, superconducting gap, and many-body effects in Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>n+1</sub> Cu <sub>n</sub> O <sub>2n+4</sub> (n=1-3). Physica C: Superconductivity and Its Applications, 2004, 408-410, 812-813.	1.2	0
85	Many-body interactions in Bi-based high-T <sub>c</sub> cuprates studied by angle-resolved photoemission spectroscopy. Journal of Physics and Chemistry of Solids, 2006, 67, 628-631.	4.0	0
86	Interaction of AC magnetic field with Josephson vortices in high anisotropy superconductors Bi2212 and Bi2223. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1238-1240.	1.2	0
87	Soft X-ray Absorption and Photoemission Spectroscopy Study of Cobalt-Based Thermoelectric Oxides: Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> , Ca <sub>3</sub> Co <sub>2</sub> O <sub>6</sub> , and Bi <sub>2</sub> Sr <sub>2</sub> Co <sub>2</sub> O <sub>y</sub> . Journal of Electronic Materials, 2009, 38, 1127-1131.	2.2	0
88	Three-dimensional electronic structure in highly doped Na CoO <sub>2</sub> studied by angle-resolved photoemission spectroscopy. Journal of Physics and Chemistry of Solids, 2011, 72, 552-555.	4.0	0
89	Pressure Dependence of Nernst Effect for La <sub>2-x</sub> Nd <sub>y</sub> Sr <sub>x</sub> CuO <sub>4</sub> . Journal of Physics: Conference Series, 2012, 400, 022021.	0.4	0
90	Thermal Property Measurements of Al-Alloy for Space Cryogenic Missions. IOP Conference Series: Materials Science and Engineering, 2022, 1241, 012013.	0.6	0