Yoshihiko Takano

List of Publications by Year
in descending order

429 papers	12,491 citations	38660 50 h-index	33814 99 g-index
432 all docs	432 docs citations	432 times ranked	5853 citing authors

#	Article	IF	Citations
1	Superconductivity at 27K in tetragonal FeSe under high pressure. Applied Physics Letters, 2008, 93, .	1.5	658
2	Pressure evolution of the low-temperature crystal structure and bonding of the superconductor FeSe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi> Physical Review B, 2009, 80, .	1.1	535
3	Anion height dependence ofT_cfor the Fe-based superconductor. Superconductor Science and Technology, 2010, 23, 054013.	1.8	420
4	Superconductivity in Novel BiS₂-Based Layered Superconductor LaO_{1-x}F_xBiS₂. Journal of the Physical Society of Japan, 2012, 81, 114725.	0.7	397
5	display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>-based layered superconductor Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>O<mml:math	1.1	373
6	Superconducting properties of MgB2 bulk materials prepared by high-pressure sintering. Applied Physics Letters, 2001, 78, 2914-2916.	1.5	335
7	Review of Fe Chalcogenides as the Simplest Fe-Based Superconductor. Journal of the Physical Society of Japan, 2010, 79, 102001.	0.7	328
8	Substitution Effects on FeSe Superconductor. Journal of the Physical Society of Japan, 2009, 78, 074712.	0.7	320
9	Crystal structure of the new FeSe1â^'x superconductor. Chemical Communications, 2008, , 5607.	2.2	289
10	Superconductivity in diamond thin films well above liquid helium temperature. Applied Physics Letters, 2004, 85, 2851-2853.	1.5	277
11	Superconductivity in S-substituted FeTe. Applied Physics Letters, 2009, 94, .	1.5	255
12	New Member of BiS₂-Based Superconductor NdO_{1-x}F_xBiS₂. Journal of the Physical Society of Japan, 2013, 82, 033708.	0.7	244
13	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi /><mml:mrow><mml:mn>0</mml:mn><mml:mo>.</mml:mo><mml:mn>8</mml:mn></mml:mrow></mml:msub></mml:mrow></mml xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi /><mml:mrow><mml:mn>1</mml:mn><mml:mo>.</mml:mo><mml:mn>6</mml:mn></mml:mrow></mml:msub></mml:mrow></mml xmlns:. Physical Review B, 2011, 84, .	1.1	228
14	Anisotropy of superconductivity from MgB2 single crystals. Applied Physics Letters, 2001, 79, 2779-2781.	1.5	207
15	Evidence for a Multiple Superconducting Gap inMgB2from High-Resolution Photoemission Spectroscopy. Physical Review Letters, 2001, 87, 177006.	2.9	203
16	Macroscopic Quantum Tunneling in ad-Wave High-TCBi2Sr2CaCu2O8+Î´Superconductor. Physical Review Letters, 2005, 95, 107005.	2.9	172
17	Precise Pressure Dependence of the Superconducting Transition Temperature of FeSe: Resistivity and ⁷⁷Se-NMR Study. Journal of the Physical Society of Japan, 2009, 78, 063704.	0.7	137
18	Definitive Experimental Evidence for Two-Band Superconductivity inMgB2. Physical Review Letters, 2003, 91, 127001.	2.9	136

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19	Transport properties of the new Fe-based superconductor KxFe2Se2 (Tc=33â€‚K). Applied Physics Letters, 2011, 98, 042511.	1.5	136
20	Pressure Study of BiS₂-Based Superconductors Bi₄O₄S₃and La(O,F)BiS₂. Journal of the Physical Society of Japan, 2012, 81, 103702.	0.7	134
21	Evolution of superconductivity in LaO _{1â^'x} F _x BiS ₂ prepared by high-pressure technique. Europhysics Letters, 2013, 101, 17004.	0.7	119
22	Intrinsic phase separation in superconducting K0.8Fe1.6Se2(Tc= 31.8 K) single crystals. Superconductor Science and Technology, 2011, 24, 082002.	1.8	118
23	Pressure-Induced Enhancement of Superconductivity and Structural Transition in BiS₂-Layered LaO_{1â^'}_xF_xBiS₂. Journal of the Physical Society of Japan, 2014, 83, 063704.	0.7	111
24	Fabrication of the Iron-Based Superconducting Wire Using Fe(Se,Te). Applied Physics Express, 0, 2, 083004.	1.1	109
25	Structural Phase Transitions and Superconductivity in Fe_{1+Î´}Se_{0.57}Te_{0.43} at Ambient and Elevated Pressures. Journal of the American Chemical Society, 2009, 131, 16944-16952.	6.6	104
26	Structural Analysis and Superconducting Properties of F-Substituted NdOBiS₂ Single Crystals. Journal of the Physical Society of Japan, 2013, 82, 113701.	0.7	94
27	Evidence for Unconventional Superconductivity in Arsenic-Free Iron-Based Superconductor FeSe: A ⁷⁷Se-NMR Study. Journal of the Physical Society of Japan, 2008, 77, 113703.	0.7	85
28	Evidence of local structural inhomogeneity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>FeSe</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:m extended x-ray absorption fine structure. Physical Review B, 2010, 82, .	1.1	85
29	Machine-learning-guided discovery of the gigantic magnetocaloric effect in HoB2 near the hydrogen liquefaction temperature. NPG Asia Materials, 2020, 12, .	3.8	84
30	Growth and superconducting properties of F-substituted ROBiS2 (R=La, Ce, Nd) single crystals. Solid State Communications, 2014, 178, 33-36.	0.9	83
31	Physics and chemistry of layered chalcogenide superconductors. Science and Technology of Advanced Materials, 2012, 13, 054303.	2.8	81
32	Upper Critical Fields of the 11-System Iron-Chalcogenide Superconductor FeSe_{0.25}Te_{0.75}. Journal of the Physical Society of Japan, 2009, 78, 113701.	0.7	80
33	Local density of states and superconducting gap in the iron chalcogenide superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2009, 80, .	1.1	75
34	Superconductivity in polycrystalline diamond thin films. Diamond and Related Materials, 2005, 14, 1936-1938.	1.8	72
35	Crystal structure, lattice vibrations, and superconductivity of LaO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>F<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>BiS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	1.1	68
36	Approach for the fabrication of MgB2 superconducting tape with large in-field transport critical current density. Applied Physics Letters, 2002, 81, 1047-1049.	1.5	67

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37	Phase diagram and oxygen annealing effect of FeTe1â^'Se iron-based superconductor. Solid State Communications, 2012, 152, 1135-1138.	0.9	67
38	Role of the Ce valence in the coexistence of superconductivity and ferromagnetism ofCeO1â^'xFxBiS2revealed by CeL3-edge x-ray absorption spectroscopy. Physical Review B, 2014, 89, .	1.1	67
39	Superconductor-to-insulator transition in boron-doped diamond films grown using chemical vapor deposition. Physical Review B, 2010, 82, .	1.1	66
40	Phase diagram and superconductivity at 58.1 K in Î±-FeAs-free SmFeAsO_{1â^'x}F_x. Superconductor Science and Technology, 2013, 26, 085023.	1.8	66
41	FeTe as a candidate material for new iron-based superconductor. Physica C: Superconductivity and Its Applications, 2009, 469, 1027-1029.	0.6	65
42	d-like symmetry of the order parameter and intrinsic Josephson effects inBi2Sr2CaCu2O8+Î´cross-whisker junctions. Physical Review B, 2002, 65, .	1.1	62
43	In-plane charge fluctuations in bismuth-sulfide superconductors. Physical Review B, 2015, 91, .	1.1	61
44	Coexistence of Bulk Superconductivity and Magnetism in CeO_{1â^'}_xF_xBiS₂. Journal of the Physical Society of Japan, 2015, 84, 024709.	0.7	61
45	Superconducting properties of layered perovskite KCa2Nb3O10 and KLaNb2O7. Solid State Communications, 1997, 103, 215-217.	0.9	59
46	Direct observation of nanoscale interface phase in the superconducting chalcogenide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">K</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>2</m intrinsic phase separation. Physical Review B, 2015, 91, .	1.1	59
47	Evolution of superconductivity by oxygen annealing in FeTe _{0.8} S _{0.2}. Europhysics Letters, 2010, 90, 57002.	0.7	58
48	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi></mml:math>-wave pairing in the optimally doped LaO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>F<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>BiS<mml:math xmlns:mml	1.1	57
49	Low-Energy Electrodynamics of Superconducting Diamond. Physical Review Letters, 2006, 97, 097002.	2.9	55
50	Unconventional Superconductivity in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>BiS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mr -Based Layered Superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>NdO</mml:mi></mml:mrow><mml:mrow><mml:mn>0.71</mml:mn> mathvariant="nor. Physical Review Letters, 2017, 118, 167002.	2.9	55
51	Signature of high Tc above 25â€‰K in high quality superconducting diamond. Applied Physics Letters, 2015, 106, 052601.	1.5	54
52	A study of the electronic structure of FeSe_{1 â^'x}Te_xchalcogenides by Fe and Se K-edge x-ray absorption near edge structure measurements. Journal of Physics Condensed Matter, 2010, 22, 485702.	0.7	52
53	EffectiveEx-situFabrication of F-Doped SmFeAsO Wire for High Transport Critical Current Density. Applied Physics Express, 2011, 4, 063102.	1.1	51
54	Successive Phase Transitions under High Pressure in FeTe_{0.92}. Journal of the Physical Society of Japan, 2009, 78, 083709.	0.7	50

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55	Transport properties and microstructure of mono- and seven-core wires of FeSe_{1 â^'x}Te_xsuperconductor produced by the Fe-diffusion powder-in-tube method. Superconductor Science and Technology, 2011, 24, 105002.	1.8	50
56	Moisture-induced superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>FeTe</mml:mtext></mml:mrow><mml:mrow><mml:mn>1.1</mml:mn></mml:mrow></mml:msub><mml:mo>+</mml:mo><mml:mi>δ</mml:mi></mml:mrow></mml:math>. Physical Review B, 2010, 81, .	1.1	49
57	Two Series of Novel Rare Earth Complexes with Dicyanamide [Ln(dca)2(phen)2(H2O)3][dca]Â·(phen), (Ln =) Tj ETQq1 1 0.784314 rgBT and Magnetic Properties. Inorganic Chemistry, 2004, 43, 4839-4845.	1.9	48
58	Correlation between crystal structure and superconductivity in LaO0.5F0.5BiS2. Solid State Communications, 2014, 181, 1-4.	0.9	46
59	Superconductivity in Pr2Ba4Cu7O15â^'Î´ with metallic double chains. Physica C: Superconductivity and Its Applications, 2004, 411, 101-106.	0.6	45
60	Flux pinning properties and microstructure of SmBa2Cu3Oy thin films with systematically controlled BaZrO3 nanorods. Journal of Applied Physics, 2010, 108, 093905.	1.1	45
61	â€œCheckerboard Stripeâ€•Electronic State on Cleaved Surface of NdO_{0.7}F_{0.3}BiS₂ Probed by Scanning Tunneling Microscopy. Journal of the Physical Society of Japan, 2014, 83, 113701.	0.7	45
62	Alcoholic beverages induce superconductivity in FeTe1 â^'xSx. Superconductor Science and Technology, 2011, 24, 055008.	1.8	44
63	Superconductivity in CVD diamond films. Journal of Physics Condensed Matter, 2009, 21, 253201.	0.7	43
64	Determination of local atomic displacements in CeO1â^'xFxBiS2system. Journal of Physics Condensed Matter, 2014, 26, 435701.	0.7	42
65	Lattice parameter andTcdependence of sinteredMgB2superconductor on hydrostatic pressure. Physical Review B, 2001, 64, .	1.1	41
66	Observation of a Superconducting Gap in Boron-Doped Diamond by Laser-Excited Photoemission Spectroscopy. Physical Review Letters, 2007, 98, 047003.	2.9	40
67	Phonon softening in superconducting diamond. Physical Review B, 2007, 75, .	1.1	40
68	Fabrication of binary FeSe superconducting wires by diffusion process. Journal of Applied Physics, 2012, 111, .	1.1	40
69	Pseudogap and transport properties inFe3â^'xVxAly(x=0.5â€“1.05;y=0.95,1.05). Physical Review B, 2002, 65, .	1.1	39
70	Synthesis and physical properties of Ca_{1â^'}_x_{RE_x}FeAs₂withRE= Laâ€“Gd. Applied Physics Express, 2014, 7, 073102.	1.1	39
71	Out-of-plane and in-plane anisotropy of upper critical field inMgB2. Physical Review B, 2003, 68, .	1.1	38
72	Transport properties of single- and three-core FeSe wires fabricated by a novel chemical-transformation PIT process. Superconductor Science and Technology, 2011, 24, 125003.	1.8	38

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73	Superconducting Fullerene Nanowhiskers. Molecules, 2012, 17, 4851-4859.	1.7	38
74	Superconductivity in oxygen-annealed FeTe1â”xSx single crystal. Journal of Applied Physics, 2011, 109, 013914.	1.1	37
75	Microscopic evidence for evolution of superconductivity by effective carrier doping in boron-doped diamond:B11â”NMRstudy. Physical Review B, 2007, 75, .	1.1	36
76	Electronic Structure of Superconducting FeSe Studied by High-Resolution Photoemission Spectroscopy. Journal of the Physical Society of Japan, 2009, 78, 034708.	0.7	36
77	Confined synthesis of CdSe quantum dots in the pores of metalâ€“organic frameworks. Journal of Materials Chemistry C, 2014, 2, 7173-7175.	2.7	36
78	Electrodeposition as a new route to synthesize superconducting FeSe. Solid State Communications, 2013, 154, 40-42.	0.9	35
79	Spectromicroscopy of electronic phase separation in KxFe2â”ySe2 superconductor. Scientific Reports, 2014, 4, 5592.	1.6	35
80	Site selectivity on chalcogen atoms in superconducting La(O,F)BiSSe. Applied Physics Letters, 2015, 106, .	1.5	35
81	Flux-pinning properties of single crystalline and dense polycrystallineMgB2. Physical Review B, 2003, 68, .	1.1	34
82	Proximity to Fermi-surface topological change in superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>La</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>0.54</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:mrow><mml:mn>0.46</mml:mn></mml:mrow></mml:msub><mml:mi>Bi</mml:mi><mml:msu mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2014, 90, .	1.1	34
83	Note: Novel diamond anvil cell for electrical measurements using boron-doped metallic diamond electrodes. Review of Scientific Instruments, 2016, 87, 076103.	0.6	34
84	Angle-resolved magnetotransport studies in anisotropicMgB2single crystals. Physical Review B, 2002, 65, .	1.1	33
85	Low-Energy Charge-Density Excitations inMgB2: Striking Interplay between Single-Particle and Collective Behavior for Large Momenta. Physical Review Letters, 2006, 97, 176402.	2.9	33
86	Possible Superconducting Symmetry and Magnetic Correlations in K0.8Fe2Se2: A77Se-NMR Study. Journal of the Physical Society of Japan, 2011, 80, 043708.	0.7	33
87	First single crystal growth and structural analysis of superconducting layered bismuth oxyselenide; La(O,F)BiSe2. Journal of Solid State Chemistry, 2014, 219, 168-172.	1.4	33
88	Superconducting properties of the 18 K phase in yttrium sesquicarbide system. Applied Physics Letters, 2004, 84, 2859-2861.	1.5	32
89	A novel bi-layered samarium complex with an unprecedented coordination mode of orotic acid [Sm2(HL)2(ox)(H2O)2]nÂ·2.5nH2O (H3L=orotic acid, ox2â”=oxalate2â”): Synthesis, crystal structure and physical properties. Inorganic Chemistry Communication, 2006, 9, 347-350.	1.8	32
90	MÃ¶ssbauer studies on FeSe and FeTe. Physica C: Superconductivity and Its Applications, 2010, 470, S338-S339.	0.6	32

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91	Enhancement of <i>T</i>_c by Uniaxial Lattice Contraction in BiS₂-Based Superconductor PrO_{0.5}F_{0.5}BiS₂. Journal of the Physical Society of Japan, 2014, 83, 065002.	0.7	32
92	Structure, Superconductivity, and Magnetism of Ce(O,F)BiS2 Single Crystals. Crystal Growth and Design, 2015, 15, 39-44.	1.4	32
93	Extended Structures and Magnetic Properties of Lanthanide-Copper Complexes with Picolinic Acids as Bridging Ligands. European Journal of Inorganic Chemistry, 2005, 2005, 1947-1954.	1.0	30
94	Fiske steps studied by flux-flow resistance oscillation in a narrow stack ofBi2Sr2CaCu2O8+Î´junctions. Physical Review B, 2005, 72, .	1.1	30
95	One-step synthesis of K x Fe 2â^'y Se 2 single crystal for high critical current density. Europhysics Letters, 2012, 98, 27002.	0.7	30
96	Low-Temperature Transport Properties of Holes Introduced by Ionic Liquid Gating in Hydrogen-Terminated Diamond Surfaces. Journal of the Physical Society of Japan, 2013, 82, 074718.	0.7	30
97	Evidence for non-metallic behaviour in tetragonal FeS (mackinawite). Materials Chemistry and Physics, 2014, 147, 50-56.	2.0	29
98	Quantum oscillations of the two-dimensional hole gas at atomically flat diamond surfaces. Physical Review B, 2014, 89, .	1.1	28
99	GMR in Heusler Type Alloys Fe2+xV1-xAl. Journal of the Physical Society of Japan, 2000, 69, 1004-1007.	0.7	27
100	Resistivity reduction of boron-doped multiwalled carbon nanotubes synthesized from a methanol solution containing boric acid. Applied Physics Letters, 2008, 92, 202116.	1.5	27
101	Preparation and superconductivity of potassium-doped fullerene nanowhiskers. Materials Research Bulletin, 2013, 48, 343-345.	2.7	27
102	Coexistence of ferromagnetism and superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CeO</mml:mi><mml:mrow><mml:mn>0.3</ mathvariant="normal">F</mml:mi><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi>BiS</mml: Physical Review B, 2014, 90, .	1.1	27
103	Soft X-ray Photoemission Study of New BiS₂-Layered Superconductor LaO_{1â^'}<i>_x</i>F<i>_x</i>BiS₂. Journal of the Physical Society of Japan, 2014, 83, 033703.	0.7	27
104	Transport Properties of Iron-Based $hbox{FeTe}_{0.5}hbox{Se}_{0.5}$ Superconducting Wire. IEEE Transactions on Applied Superconductivity, 2011, 21, 2858-2861.	1.1	26
105	Coexistence of different electronic phases in the K<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.8</mml:mn></mml:mrow></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.6</mml:mn></mml:mrow></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	26
106	Superconducting Anisotropies of F-Substituted LaOBiSe₂ Single Crystals. Journal of the Physical Society of Japan, 2014, 83, 114709.	0.7	26
107	Temperature-Dependent Localized Excitations of Doped Carriers in Superconducting Diamond. Physical Review Letters, 2008, 100, 166402.	2.9	25
108	The effect of exceptionally high fluorine doping on the anisotropy of single crystalline SmFeAsO1â^'xFx. Applied Physics Letters, 2014, 105, 102602.	1.5	25

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109	High-Tc Phase of PrO0.5F0.5BiS2 single crystal induced by uniaxial pressure. Applied Physics Letters, 2014, 105, 052601.	1.5	25
110	Two pressure-induced superconducting transitions in SnBi₂Se₄ explored by data-driven materials search: new approach to developing novel functional materials including thermoelectric and superconducting materials. Applied Physics Express, 2018, 11, 093101.	1.1	24
111	Pressure-induced superconductivity in tin sulfide. Physical Review B, 2019, 99, .	1.1	24
112	A cross-whiskers junction as a novel fabrication process for intrinsic Josephson junctions. Superconductor Science and Technology, 2001, 14, 765-769.	1.8	23
113	Superconducting properties of single-crystal whiskers of (Y0.86Ca0.14)Ba2Cu3Ox grown from precursors containing calcium and tellurium. Applied Physics Letters, 2003, 82, 1899-1901.	1.5	23
114	Electrochemical Synthesis of Iron-Based Superconductor FeSe Films. Journal of the Physical Society of Japan, 2012, 81, 043702.	0.7	23
115	Effect of high-pressure annealing on the normal-state transport of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">LaO</mml:mi></mml:mrow><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">F</mml:mi></mml:mrow><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">BiS</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 89, .	1.1	23
116	Growth and Structure of Ce(O,F)SbS₂ Single Crystals. Crystal Growth and Design, 2016, 16, 3037-3042.	1.4	23
117	Superconductivity and its enhancement under high pressure in â€œF-freeâ€•single crystals of CeOBiS2. Journal of Alloys and Compounds, 2017, 722, 467-473.	2.8	23
118	Data-driven exploration of new pressure-induced superconductivity in PbBi₂Te₄. Science and Technology of Advanced Materials, 2018, 19, 909-916.	2.8	23
119	Diamond anvil cells using boron-doped diamond electrodes covered with undoped diamond insulating layer. Applied Physics Express, 2018, 11, 053101.	1.1	23
120	Holes in the Valence Band of Superconducting Boron-Doped Diamond Film Studied by Soft X-ray Absorption and Emission Spectroscopy. Journal of the Physical Society of Japan, 2008, 77, 054711.	0.7	22
121	Weak Superconducting Fluctuations and Small Anisotropy of the Upper Critical Fields in an Fe_{1.05}Te_{0.85}Se_{0.15} Single Crystal. Journal of the Physical Society of Japan, 2010, 79, 074706.	0.7	22
122	Substitution effects of Ag into FeSe0.5Te0.5 superconductor. Physica C: Superconductivity and Its Applications, 2013, 484, 66-68.	0.6	22
123	C-axis electrical resistivity of PrO_{1â^'}_aF_aBiS₂single crystals. Japanese Journal of Applied Physics, 2015, 54, 083101.	0.8	22
124	Large local disorder in superconducting K0.8Fe1.6Se2studied by extended x-ray absorption fine structure. Journal of Physics Condensed Matter, 2012, 24, 115701.	0.7	21
125	Clarification as to why alcoholic beverages have the ability to induce superconductivity in Fe_{1+d}Te_{1â^'x}S_x. Superconductor Science and Technology, 2012, 25, 084025.	1.8	21
126	Core-level electronic structure evolution of heavily boron-doped superconducting diamond studied with hard x-ray photoemission spectroscopy. Physical Review B, 2007, 75, .	1.1	20

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