Nobuaki Miyakawa

List of Publications by Year
in descending order

73	1,732	394421 19	276875 41
papers	citations	h-index	g-index

73	73	73	1115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent progress of the single crystal growth of homologous (InGaO₃)_m(ZnO)_n. CrystEngComm, 2022, 24, 4481-4495.	2.6	1
2	Hydrostatic Pressure Effect in Non-Doping LaOBiSSe and Hole-Doping La1â^'xSrxOBiS2. , 2020, , .		0
3	Syntheses and first-principles calculations of the pseudobrookite compound AlTi2O5. Journal of Physics and Chemistry of Solids, 2019, 127, 252-257.	4.0	7
4	Single crystal growth of bulk InGaZnO₄ and analysis of its intrinsic transport properties. CrystEngComm, 2019, 21, 2985-2993.	2.6	11
5	Superconductivity of Electron-Doped NdOBiS₂ by Substitution of Mixed-Valence Ce Ions. Journal of the Physical Society of Japan, 2019, 88, 103703.	1.6	6
6	Phase relations in the pseudo ternary system In2O3-TiO2-BO (B: Zn, Co and Ni) at 1200 Â°C in air. Journal of Solid State Chemistry, 2018, 258, 865-875.	2.9	1
7	Transport properties of transition-metal doped BiS2-based superconductors. AIP Advances, 2018, 8, 101322.	1.3	1
8	Superconductivity induced by hydrostatic pressure effect in LaO0.5F0.5Bi(S0.9Se0.1)2. AIP Advances, 2018, 8, 101325.	1.3	1
9	Different electronic states at crystallographically inequivalent CuO₂planes on four-layered cuprates HgBa₂Ca₃Cu₄O_{10+Î´}. Journal of Physics: Conference Series, 2018, 969, 012031.	0.4	1
10	Coexistence of superconductivity and charge-density wave in the quasi-one-dimensional material HfTe3. Scientific Reports, 2017, 7, 45217.	3.3	43
11	Oxide Ion Conduction of BaCe_{0.80}Zr_{0.10}Y_{0.10}O_{3-Î´} Thin Film with Oxygen Vacancies. Transactions of the Materials Research Society of Japan, 2017, 42, 97-100.	0.2	0
12	Characteristic Features of the Mode Energy Estimated from Tunneling Conductance on TlBa₂Ca₂Cu₃O_{8.5+Î´}. Journal of the Physical Society of Japan, 2016, 85, 024702.	1.6	9
13	Thin film like terahertz bolometric detector on Bi2212 single crystal. Optical and Quantum Electronics, 2016, 48, 1.	3.3	9
14	Doping Dependence on Two Sizes of Superconducting Gaps on Tl1223 by Tunneling Spectroscopy at 4.2K. Physics Procedia, 2015, 65, 45-48.	1.2	2
15	Area dependence and influence of crystal inhomogeneity on superconducting properties of Bi2212 mesa structures. Vacuum, 2015, 120, 89-94.	3.5	19
16	Two Sizes of Superconducting Gaps on an Under-doped Bi2.1Sr1.9Ca2Cu3O10+Î´ with TC â^¼ 101K by Tunneling Spectroscopy. Physics Procedia, 2014, 58, 82-85.	1.2	9
17	Electronic structures of the FeSe superconductor studied by high-energy photoelectron spectroscopy. Journal of Physics: Conference Series, 2012, 391, 012141.	0.4	0
18	Bulk-Sensitive Photoemission Spectroscopy of TlFe2Se2. Journal of Physics: Conference Series, 2012, 391, 012115.	0.4	0

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19	Synthesis and Magnetic Properties of NiSe, NiTe, CoSe, and CoTe. Japanese Journal of Applied Physics, 2012, 51, 053001.	1.5	18
20	Fabrication of double mesa structures by E-beam lithography from high temperature superconducting Bi<inf>2</inf>Sr<inf>2</inf>CaCu<inf>2</inf>O<inf>8+Î´</inf> (Bi2212) for powerful terahertz emission. , 2011, , .		0
21	Eliashberg Analysis of Tunneling Experiments: Support for the Pairing Glue Hypothesis in Cuprate Superconductors. Physical Review Letters, 2011, 106, 167005.	7.8	30
22	Electron correlation in the FeSe superconductor studied by bulk-sensitive photoemission spectroscopy. Physical Review B, 2010, 82, .	3.2	48
23	Temperature dependence of tunneling conductance on an overdoped Pr0.82LaCe0.18CuO4 with Tcâ¼16K. Physica C: Superconductivity and Its Applications, 2010, 470, S29-S30.	1.2	0
24	Superconductivity on FeSe synthesized by various sintering temperatures. Physica C: Superconductivity and Its Applications, 2010, 470, S518-S520.	1.2	17
25	Probing the Superconducting Gap from Tunneling Conductance on NdFeAsO0.7 with T C=51ÂK. Journal of Superconductivity and Novel Magnetism, 2010, 23, 575-578.	1.8	11
26	Tunneling spectroscopy of an optimally-doped TlBa2CaCu2O6.5+ with Tcâ¼109K. Physica C: Superconductivity and Its Applications, 2010, 470, S178-S180.	1.2	7
27	Structural and physical properties of FeSe crystals fabricated by the chemical vapor transport method. Physica C: Superconductivity and Its Applications, 2010, 470, S313-S314.	1.2	25
28	Tunneling spectroscopy on an electron-doped Pr1-xLaCexCuO4withx= 0.11. Journal of Physics: Conference Series, 2009, 150, 052163.	0.4	2
29	Transport properties of layered ruthenates Sr2Ru1_rZrxO4. Journal of Physics: Conference Series, 2009, 150, 022094.	0.4	0
30	TUNNELING STUDY ON Ba₂Ca₃Cu₄O_{2x8}<font>O< International Journal of Modern Physics B, 2007, 21, 3233-3237.		16
31	Two-Gap Features from Tunneling Studies on Trilayered Cuprates, HgBa2Ca2Cu3O8+Î´ with Tcâ¼132K. AIP Conference Proceedings, 2006, , .	0.4	6
32	Low-temperature growth of polycrystalline SiC by catalytic CVD from monomethylsilane. Microelectronic Engineering, 2006, 83, 41-44.	2.4	16
33	FTIR analysis of a-SiC:H films grown by plasma enhanced CVD. Journal of Crystal Growth, 2005, 275, e1097-e1101.	1.5	94
34	Comparison of Intrinsic Josephson and SIS Tunneling Spectroscopy of<tex>$rm Bi_2rm Sr_2rm CaCu_2rm O_8+delta$</tex>. IEEE Transactions on Applied Superconductivity, 2005, 15, 181-184.	1.7	5
35	TUNNELING SPECTROSCOPY OF TRILAYER HIGH-TC CUPRATE, TlBa2Ca2Cu2O10-Î´. International Journal of Modern Physics B, 2005, 19, 225-229.	2.0	14
36	Probing the phase diagram of Bi/sub 2/Sr/sub 2/CaCu/sub 2/O/sub 8+Î´ with tunneling spectroscopy. IEEE Transactions on Applied Superconductivity, 2003, 13, 893-896.	1.7	5

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37	Tunneling Studies of Multilayered Superconducting Cuprate (Cu,C)Ba2Ca3Cu4O12+Î´. International Journal of Modern Physics B, 2003, 17, 3612-3616.	2.0	15
38	Absence of pseudogap in heavily overdoped Bi 2 Sr 2 CaCu 2 O 8 + Î´ from tunneling spectroscopy of break junctions. Europhysics Letters, 2002, 58, 589-595.	2.0	31
39	Growth kinetics of hydrogenated amorphous silicon carbide films by RF plasma-enhanced CVD using two kinds of source materials. Thin Solid Films, 2002, 409, 74-77.	1.8	11
40	Aspects of the tunneling dip feature in Bi2Sr2CaCu2O8+Î´ and its relation to the resonance spin excitation. Journal of Physics and Chemistry of Solids, 2002, 63, 2247-2251.	4.0	8
41	Growth kinetics in plasma CVD of a-SiC films from monomethylsilane revealed by in situ spectroscopy. Journal of Crystal Growth, 2002, 237-239, 1260-1263.	1.5	15
42	The growth process and optical emission spectroscopy of amorphous silicon carbide films from methyltrichlorosilane by rf plasma enhanced CVD. Surface and Coatings Technology, 2001, 142-144, 360-364.	4.8	8
43	Universal features of tunneling conductance on high-Tc cuprates. Physica C: Superconductivity and Its Applications, 2001, 357-360, 126-129.	1.2	11
44	Implications of tunneling studies on high-Tc cuprates: superconducting gap and pseudogap. Physica C: Superconductivity and Its Applications, 2001, 364-365, 475-479.	1.2	19
45	Correlation of Tunneling Spectra inBi2Sr2CaCu2O8+Î´with the Resonance Spin Excitation. Physical Review Letters, 2001, 87, 067005.	7.8	160
46	In situ measurements and growth kinetics of silicon carbide chemical vapor deposition from methyltrichlorosilane. Journal of Crystal Growth, 2000, 219, 245-252.	1.5	50
47	Superconducting gap and pseudogap from tunneling conductance on Bi2Sr2CaCu2O8+Î´ with various oxygen concentration. Physica C: Superconductivity and Its Applications, 2000, 341-348, 835-838.	1.2	15
48	High energy secondary peak structure in tunneling spectra (hump) as possible magnetic pseudogap. Physica C: Superconductivity and Its Applications, 2000, 341-348, 867-870.	1.2	15
49	Tunneling spectroscopy of heavily underdoped crystals of Bi2Sr2CaCu2O8+Î´. Physica C: Superconductivity and Its Applications, 2000, 341-348, 927-928.	1.2	4
50	Zasadzinski and Miyakawa Reply:. Physical Review Letters, 2000, 84, 5675-5675.	7.8	3
51	Growth Kinetics of Silicon Carbide Chemical Vapor Deposition from Methyltrichlorosilane. Japanese Journal of Applied Physics, 1999, 38, 2089-2091.	1.5	10
52	Predominantly Superconducting Origin of Large Energy Gaps in UnderdopedBi2Sr2CaCu2O8+Î´from Tunneling Spectroscopy. Physical Review Letters, 1999, 83, 1018-1021.	7.8	202
53	TUNNELING SPECTRA AND SUPERCONDUCTING GAP IN Bi2Sr2CaCu2O8+Î´ AND Tl2Ba2CuO6+Î´. International Journal of Modern Physics B, 1999, 13, 3721-3724.	2.0	23
54	Simultaneous quasiparticle and Josephson tunneling in BSCCO-2212 break junctions. IEEE Transactions on Applied Superconductivity, 1999, 9, 2898-2901.	1.7	4

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55	Modeling of tunneling spectroscopy in high-Tcsuperconductors incorporating band structure, gap symmetry, group velocity, and tunneling directionality. Physical Review B, 1998, 58, 514-521.	3.2	32
56	Strong Dependence of the Superconducting Gap on Oxygen Doping from Tunneling Measurements onBi2Sr2CaCu2O8â˜Î´. Physical Review Letters, 1998, 80, 157-160.	7.8	289
57	Unusual Strong-Coupling Effects in the Tunneling Spectroscopy of Optimally Doped and OverdopedBi2Sr2CaCu2O8+Î´. Physical Review Letters, 1998, 80, 153-156.	7.8	187
58	Temperature dependence of the spectral function of the electron-phonon interaction for Bi2Sr2CaCu2O8. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1517-1518.	1.2	1
59	Electron-phonon spectral function Î±2F(Ï‰) determined by quasiparticle tunneling spectroscopy for Bi2Sr2CaCu2O8/Au junctions. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1519-1520.	1.2	4
60	Thin film growth of silicon cardide from methyl-trichloro-silane by RF plasma-enhanced CVD. Journal of Crystal Growth, 1997, 174, 658-661.	1.5	12
61	Phonon contribution to superconductivity of Bi2Sr2CaCu2O8. Physica B: Condensed Matter, 1996, 219-220, 192-194.	2.7	5
62	Reproducibility of Phonon Structures in the Tunneling Conductance of Bi2Sr2CaCu2O8. Journal of the Physical Society of Japan, 1995, 64, 3376-3383.	1.6	7
63	Analysis of Phonon Structures in the Tunneling Conductance of Bi-Cuprates. Journal of the Physical Society of Japan, 1993, 62, 2445-2455.	1.6	31
64	Anharmonic Phonon Structure in the Tunneling Conductance of Bi-Cuprates. Japanese Journal of Applied Physics, 1993, 32, L825-L827.	1.5	2
65	Zero-Bias Resistance Peak in Oxide-Semiconductor Junctions. Japanese Journal of Applied Physics, 1992, 31, L1322-L1324.	1.5	6
66	Phonon mechanism of high Tc superconductivity based on the tunneling study of Bi-based cuprates. Physica C: Superconductivity and Its Applications, 1991, 185-189, 1903-1904.	1.2	6
67	Tunneling conductance of a Bi2?xPbxSr2Ca2Cu3O10?y-SnO2 junction. European Physical Journal B, 1991, 85, 7-14.	1.5	14
68	Tunneling conductance of a Bi2Sr2CaCu2O8-SnO2 junction along the c-axis. Applied Physics A: Materials Science and Processing, 1991, 52, 1-6.	2.3	3
69	Tunneling Conductance of a Bi2Sr2CaCu2O8-GaAs Junction: Temperature Dependence of the Gap. Journal of the Physical Society of Japan, 1990, 59, 2473-2482.	1.6	26
70	Multiphonon Exchange and the High-TcSuperconductivity of the Multilayer Oxide-Superconductor. Journal of the Physical Society of Japan, 1989, 58, 387-389.	1.6	25
71	Fine Structure in the Tunneling Conductance of a Bi2Sr2CaCu2O8-GaAs Junction. Journal of the Physical Society of Japan, 1989, 58, 383-386.	1.6	31
72	Tunneling Conductance of a Bi2Sr2CaCu2O8-GaAs Junction along the c-Axis. Journal of the Physical Society of Japan, 1989, 58, 1141-1144.	1.6	15

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73	Synthesis and Electronic Properties of TlFe₂Se_{2-Î´}. Solid State Phenomena, 0, 170, 47-50.	0.3	1