

Tetsuo Hanaguri

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity near the saddle point in the two-dimensional Rashba system $\text{Si}(111)\hat{\text{A}}^{\sim}3\hat{\text{A}}^{\sim}(\text{TI,Pb})$. Physical Review B, 2022, 105, .	3.2	1
2	Doublonlike Excitations and Their Phononic Coupling in a Mott Charge-Density-Wave System. Physical Review X, 2021, 11, .	8.9	11
3	Quasiparticle Nodal Plane in the Fulde-Ferrell-Larkin-Ovchinnikov State of FeSe. Physical Review Letters, 2021, 127, 257001.	7.8	11
4	Exotic Superconducting States in FeSe-based Materials. Journal of the Physical Society of Japan, 2020, 89, 102002.	1.6	87
5	Imaging the coupling between itinerant electrons and localised moments in the centrosymmetric skyrmion magnet GdRu_2Si_2 . Nature Communications, 2020, 11, 5925.	12.8	75
6	Motttness versus unit-cell doubling as the driver of the insulating state in 1T-TaS_2 . Nature Communications, 2020, 11, 2477.	12.8	100
7	Scalable Majorana vortex modes in iron-based superconductors. Science Advances, 2020, 6, eaay0443.	10.3	61
8	Microscopic characterization of the superconducting gap function in Sn . Physical Review B, 2020, 101, .	10.2	12
9	Zero-energy vortex bound state in the superconducting topological surface state of $\text{Fe}(\text{Se,Te})$. Nature Materials, 2019, 18, 811-815.	27.5	214
10	Quantum Vortex Core and Missing Pseudogap in the Multiband BCS-BEC Crossover Superconductor FeSe. Physical Review Letters, 2019, 122, 077001.	7.8	56
11	A scanning tunneling microscope for spectroscopic imaging below 90 mK in magnetic fields up to 17.5 T. Review of Scientific Instruments, 2018, 89, 093707.	1.3	37
12	Ultrathin Bismuth Film on High-Temperature Cuprate Superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\hat{\text{I}}}$ as a Candidate of a Topological Superconductor. ACS Nano, 2018, 12, 10977-10983.	14.6	15
13	Two distinct superconducting pairing states divided by the nematic end point in $\text{FeSe}_{1-\hat{\text{x}}}\text{S}_{\hat{\text{x}}}$. Science Advances, 2018, 4, eaar6419.	10.3	74
14	Spin-orbit scattering visualized in quasiparticle interference. Physical Review B, 2017, 95, .	3.2	27
15	Full-gap superconductivity in spin-polarised surface states of topological semimetal $\hat{\text{I}}^2\text{-PdBi}_2$. Nature Communications, 2017, 8, 976.	12.8	42
16	Orbital-dependent quasiparticle scattering interference in Rb . Physical Review B, 2017, 96, .	8.2	8
17	Analyzing Electronic States by Spectroscopic-Imaging STM. Hyomen Kagaku, 2017, 38, 502-507.	0.0	0
18	Observation of Zeeman effect in topological surface state with distinct material dependence. Nature Communications, 2016, 7, 10829.	12.8	26

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37	Quasiparticle interference and superconducting gap in $\text{Ca}_{2-x}\text{NaxCuO}_2\text{Cl}_2$. <i>Nature Physics</i> , 2007, 3, 865-871.	16.7	155
38	Development of high-field STM and its application to the study on magnetically-tuned criticality in $\text{Sr}_3\text{Ru}_2\text{O}_7$. <i>Journal of Physics: Conference Series</i> , 2006, 51, 514-521.	0.4	31
39	Anisotropic s-wave superconductors studied by angle-resolved photoemission spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 277-281.	4.0	12
40	Electronic States of Surfaces of Strongly Correlated Electron Systems. <i>Hyomen Kagaku</i> , 2006, 27, 226-231.	0.0	0
41	Multiple superconducting phases in heavy fermion superconductors. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 1365-1369.	4.0	2
42	New high field state of flux line lattice in CeCoIn_5 . <i>Physica C: Superconductivity and Its Applications</i> , 2005, 426-431, 36-40.	1.2	0
43	Anisotropy of the Superconducting Gap of the Borocarbide Superconductor $\text{YNi}_2\text{B}_2\text{C}$ with Ultrasonic Attenuation. <i>Physical Review Letters</i> , 2004, 92, 147002.	7.8	38
44	Evolution of local electronic states from a metal to a correlated insulator in a NiS_2 solid solution. <i>Physical Review B</i> , 2004, 70, .	3.2	17
45	High-field state of the flux-line lattice in the unconventional superconductor CeCoIn_5 . <i>Physical Review B</i> , 2004, 70, .	3.2	114
46	Imaging Nanoscale Electronic Inhomogeneity in the Lightly Doped Mott Insulator $\text{Ca}_{2-x}\text{NaxCuO}_2\text{Cl}_2$. <i>Physical Review Letters</i> , 2004, 93, 097004.	7.8	74
47	A "checkerboard" electronic crystal state in lightly hole-doped $\text{Ca}_{2-x}\text{NaxCuO}_2\text{Cl}_2$. <i>Nature</i> , 2004, 430, 1001-1005.	27.8	620
48	STM/STS study of metal-to-Mott-insulator transitions. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 408-410, 328-329.	1.2	3
49	Real Space Imaging of the Electronic States in Underdoped $\text{Ca}_{2-x}\text{Na}_x\text{CuO}_2\text{Cl}_2$ Single Crystals. <i>Journal of Low Temperature Physics</i> , 2003, 131, 299-303.	1.4	4
50	Anomaly of quasi-particle density of states in the vortex state of NbSe_2 . <i>Physica B: Condensed Matter</i> , 2003, 329-333, 1355-1356.	2.7	13
51	Electronic state of NbSe_2 investigated by STM/STS. <i>Physica B: Condensed Matter</i> , 2003, 329-333, 1598-1599.	2.7	25
52	STM/STS study on $\text{Ca}_{2-x}\text{NaxCuO}_2\text{Cl}_2$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 283-284.	1.2	7
53	Millimeter wave and microwave electrodynamic spectroscopy of $\text{YBa}_2(\text{Cu}_{1-x}\text{Znx})_3\text{O}_y$ in the Meissner and mixed state. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 417-418.	1.2	2
54	Inhomogeneous electronic structures in heavily Pb-doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$ single crystals probed by low temperature STM/STS. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 273-274.	1.2	4

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55	Specific heat study of magnetic superconductor ErNi ₂ B ₂ C single crystal under magnetic fields. Physica C: Superconductivity and Its Applications, 2003, 388-389, 179-180.	1.2	2
56	Observations of electronic inhomogeneity in heavily Pb-doped Bi ₂ Sr ₂ CaCu ₂ O _y single crystals by scanning tunneling microscopy. Physical Review B, 2003, 67, .	3.2	48
57	An instrument for low- and variable-temperature millimeter-wave surface impedance measurements under magnetic fields. Review of Scientific Instruments, 2003, 74, 4436-4441.	1.3	8
58	Electronic structures of two-phase microstructures $\hat{1}\pm$ and $\hat{1}^2$ in heavily Pb-doped Bi ₂ Sr ₂ CaCu ₂ O _y single crystals investigated by scanning tunneling microscopy/spectroscopy. Applied Physics Letters, 2003, 83, 1178-1180.	3.3	9
59	Angle-Resolved Photoemission Spectroscopy of (Ca,Na) ₂ CuO ₂ Cl ₂ Crystals: Fingerprints of a Magnetic Insulator in a Heavily Underdoped Superconductor. Journal of the Physical Society of Japan, 2003, 72, 1018-1021.	1.6	20
60	Location-sensitive measurement of the local fluctuation of driven vortex density in Bi ₂ Sr ₂ CaCu ₂ O _y . Physical Review B, 2002, 65, .	3.2	25
61	Observation of Structures of Chain Vortices Inside Anisotropic High-T _c Superconductors. Physical Review Letters, 2002, 88, 237001.	7.8	68
62	Effects of superconducting gap anisotropy on the flux flow resistivity in Y(Ni _{1-x} Pt _x) ₂ B ₂ C. Physical Review B, 2002, 66, .	3.2	21
63	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.	1.6	12
64	Growth of Na-Doped Ca ₂ CuO ₂ Cl ₂ Single Crystals under High Pressures of Several GPa. Journal of the American Chemical Society, 2002, 124, 12275-12278.	13.7	58
65	Observation of Vortices and Columnar Defects by Using Lorentz Microscopy. Microscopy and Microanalysis, 2002, 8, 526-527.	0.4	0
66	Observation of Chain Structure of Superconducting Vortices by Lorentz Microscopy. Microscopy and Microanalysis, 2002, 8, 514-515.	0.4	0
67	Lorentz microscopy observation of vortices inside Bi-2212 thin films with columnar defects. Physica C: Superconductivity and Its Applications, 2002, 369, 68-76.	1.2	8
68	Effect of Zn doping on the electronic state of the vortex core in the mixed state of YBa ₂ Cu ₃ O _y . Physica C: Superconductivity and Its Applications, 2002, 378-381, 584-587.	1.2	1
69	Observation of Vortices and Columnar Defects by 1-MV Lorentz Microscopy I. Materials Research Society Symposia Proceedings, 2001, 689, 1.	0.1	0
70	Observation of Vortices and Columnar Defects by 1-MV Lorentz Microscopy II. Materials Research Society Symposia Proceedings, 2001, 689, 1.	0.1	0
71	Dynamics vs electronic states of vortex core of high-T _c superconductors investigated by high-frequency impedance measurement. Physica C: Superconductivity and Its Applications, 2001, 362, 127-133.	1.2	9
72	Estimation of vortex viscosity from the complex surface impedance measurement in the mixed state of YBa ₂ Cu ₃ O _y . Physica C: Superconductivity and Its Applications, 2001, 362, 273-276.	1.2	2

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73	Observation of individual vortices trapped along columnar defects in high-temperature superconductors. <i>Nature</i> , 2001, 412, 620-622.	27.8	117
74	Oscillating Rows of Vortices in Superconductors. <i>Science</i> , 2001, 294, 2136-2138.	12.6	73
75	Microwave and millimeter wave spectroscopy in the slightly hole-doped ladders of Sr ₁₄ Cu ₂₄ O ₄₁ . <i>Europhysics Letters</i> , 2001, 56, 434-440.	2.0	32
76	Electronic state of vortices in YBa ₂ Cu ₃ O _y investigated by complex surface impedance measurements. <i>Physical Review B</i> , 2001, 63, .	3.2	73
77	Study of dynamical phase of Bi ₂ Sr ₂ CaCu ₂ O _y by local noise measurement. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 843-844.	2.7	2
78	STM/STS observations of Co impurities in Bi _{2.1} Sr _{1.8} Ca(Cu _{1-\tilde{x}Cox)2O_{8+y} single crystals. <i>Physica B: Condensed Matter</i>, 2000, 284-288, 1065-1066.}	2.7	6
79	Metal-insulator transition in 1T-TaS ₂ . <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1673-1674.	2.7	4
80	A collective excitation on the slightly hole-doped ladders of Sr ₁₄ Cu ₂₄ O ₄₁ in the microwave and millimeter wave regions. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1936-1937.	2.7	3
81	Dynamics of vortices and quasiparticles in the mixed state of Bi ₂ Sr ₂ CaCu ₂ O _y . <i>Physica C: Superconductivity and Its Applications</i> , 2000, 335, 148-152.	1.2	1
82	High-frequency electromagnetic response in the mixed state of YBa ₂ Cu ₃ O _y . <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1189-1190.	1.2	0
83	Comparative study of thermal conductivity and surface impedance of Bi ₂ Sr ₂ CaCu ₂ O _y in the mixed state. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1871-1872.	1.2	0
84	High Frequency Surface Impedance Measurement in the mixed state of Bi ₂ Sr ₂ CaCu ₂ O _y . , 2000, , 371-373.		0
85	Field Dependence of Penetration Depth in an Electron-Doped Cuprate Superconductor Nd _{2-x} Ce _x CuO ₄ with $x=0.16$. <i>Journal of the Physical Society of Japan</i> , 1999, 68, 594-598.	1.6	8
86	In-plane charge dynamics in La _{1.6} \tilde{x} Nd _{0.4} Sr _x CuO ₄ : Absence of a charge gap in the spin/charge ordered state. <i>Europhysics Letters</i> , 1999, 47, 715-721.	2.0	36
87	Interlayer phase correlation of the vortex system around the coupling transition in Bi ₂ Sr ₂ CaCu ₂ O _y containing columnar defects. <i>Physical Review B</i> , 1999, 59, 11568-11574.	3.2	7
88	Reduction of the Superfluid Density in the Vortex-Liquid Phase of Bi ₂ Sr ₂ CaCu ₂ O _y . <i>Physical Review Letters</i> , 1999, 82, 1273-1276.	7.8	24
89	Superconducting phenomenology of cuprates: effect of pseudo-gap and other anomalies. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 317-318, 345-352.	1.2	0
90	Title is missing!. <i>Journal of Low Temperature Physics</i> , 1999, 117, 1241-1245.	1.4	16

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91	Effects of First-Order Vortex Phase Transition on the Electronic States of Bi ₂ Sr ₂ CaCu ₂ O _y . Journal of Low Temperature Physics, 1999, 117, 1405-1409.	1.4	2
92	Electronic Structures of Two-Phase Microstructures in Pb-doped Bi ₂ Sr ₂ CaCu ₂ O _y . Journal of Low Temperature Physics, 1999, 117, 341-345.	1.4	11
93	Site Sensitive Measurement of Local Fluctuation of Driven Vortex Density in Bi ₂ Sr ₂ CaCu ₂ O _y . Journal of Low Temperature Physics, 1999, 117, 1329-1333.	1.4	4
94	Ac Charge Dynamics in the Meissner State and the Vortex State of Bi ₂ Sr ₂ CaCu ₂ O _y . , 1999, , 193-198.		1
95	c-axis microwave conductivity of Bi ₂ Sr ₂ CaCu ₂ O _y in the superconducting state. Physical Review B, 1998, 57, 10946-10950.	3.2	25
96	Nonlinear Josephson plasma resonance in Bi ₂ Sr ₂ CaCu ₂ O _y . Physical Review B, 1998, 58, R8929-R8932.	3.2	4
97	Local Density Fluctuations of Moving Vortices in the Solid and Liquid Phases in Bi ₂ Sr ₂ CaCu ₂ O _y . Physical Review Letters, 1998, 80, 4550-4553.	7.8	56
98	Effects of Heavy-Ion Irradiation on the Josephson Plasma Resonance in the Mixed State Of Bi ₂ Sr ₂ CaCu ₂ O _y . , 1998, , 103-106.		0
99	Nature of the vortex liquid in Bi ₂ Sr ₂ CaCu ₂ O _y . Physical Review B, 1997, 55, R8709-R8712.	3.2	24
100	Effects of Columnar Defects on the Josephson Plasma Resonance in Bi ₂ Sr ₂ CaCu ₂ O _y . Physical Review Letters, 1997, 78, 3177-3180.	7.8	40
101	Out-of-plane microwave conductivity of the cuprates in the superconducting state. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1125-1126.	1.2	0
102	Phase correlation investigated by the Josephson plasma resonance in Bi ₂ (Sr,La) ₂ CuO _y . Physica C: Superconductivity and Its Applications, 1997, 293, 143-148.	1.2	4
103	The static and dynamic properties of the vortices in Bi ₂ Sr ₂ CaCu ₂ O _y . Physica C: Superconductivity and Its Applications, 1997, 282-287, 1303-1304.	1.2	0
104	Josephson plasma resonance in the mixed state of Bi ₂ Sr ₂ CaCu ₂ O _y containing columnar defects. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2375-2376.	1.2	0
105	Josephson plasma resonance in the mixed state of heavy-ion irradiated Bi ₂ Sr ₂ CaCu ₂ O _y . Physica C: Superconductivity and Its Applications, 1997, 293, 254-258.	1.2	0
106	Dielectric response of the sliding SDW in (TMTSF) ₂ AsF ₆ . Solid State Communications, 1997, 104, 505-509.	1.9	0
107	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
108	Josephson-plasma resonance of Bi-cuprates. European Physical Journal D, 1996, 46, 1635-1636.	0.4	4

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109	Nonlinear Meissner effect of the cuprate superconductors investigated by London penetration depth measurement. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 263, 438-441.	1.2	2
110	Ultrasonic studies of anisotropic flux pinning in $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ under high magnetic fields. <i>Physica B: Condensed Matter</i> , 1996, 216, 274-276.	2.7	1
111	Crossover from the first-order vortex phase transition to the peak effect in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$ having different oxygen contents. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 256, 111-118.	1.2	45
112	Doping level dependence of magnetization anomalies and heat capacity of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ in the mixed state. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 263, 434-437.	1.2	1
113	Out-of-plane quasiparticle dynamics of the cuprate superconductors below T_c in microwave region. <i>Journal of Low Temperature Physics</i> , 1996, 105, 323-328.	1.4	4
114	Josephson plasma resonance in a single-layered cuprate $\text{Bi}_2(\text{Sr},\text{La})_2\text{CuO}_y$. <i>Physical Review B</i> , 1996, 53, R14749-R14752.	3.2	36
115	Nonlinear Meissner Effect in Double Layered High- T_c Cuprates Investigated by Measurement of the Penetration Depth. <i>Journal of the Physical Society of Japan</i> , 1996, 65, 3638-3645.	1.6	20
116	Magnetic-field dependence of the London penetration depth in type-II superconductor V_3Si . <i>Physica C: Superconductivity and Its Applications</i> , 1995, 246, 223-227.	1.2	7
117	Magnetic Field Dependence of the London Penetration Depth of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$. <i>Physical Review Letters</i> , 1995, 74, 1202-1205.	7.8	62
118	Dynamical coherence volume of spin-density waves of $(\text{TMTSF})_2\text{PF}_6$. <i>Synthetic Metals</i> , 1995, 70, 1291-1292.	3.9	0
119	Surface impedance of single crystals of high T_c cuprates as a function of magnetic field. <i>Synthetic Metals</i> , 1995, 71, 1587-1588.	3.9	0
120	Low-temperature structural phase transition and electronic anomalies in $\text{La}_{1.775}\text{R}_{0.10}\text{Sr}_{0.125}\text{CuO}_4$ ($\text{R}=\text{Nd},\text{Sm},\text{Gd},\text{Tb}$). <i>Physical Review B</i> , 1994, 49, 12392-12395.	3.2	20
121	Surface impedance of single crystals of high- T_c cuprates as a function of magnetic field. , 1994, , .		0
122	Elastic anomalies in a $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ single crystal under high magnetic fields. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 1579-1580.	2.7	8
123	Anisotropy of the flux pinning in $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ observed by ultrasound. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 1837-1838.	2.7	0
124	Magnetic-field dependence of the London penetration depth of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 1809-1810.	1.2	0
125	RF field penetration into a $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystal in the mixed state. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 1991-1992.	1.2	9
126	Elastic properties and anisotropic pinning of the flux-line lattice in single-crystalline $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$. <i>Physical Review B</i> , 1993, 48, 9772-9781.	3.2	25

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127	Ultrasonic Studies in $\text{La}_{2-x}(\text{Ba,Sr})_x\text{CuO}_4$. Springer Proceedings in Physics, 1992, , 217-220.	0.2	0
128	Ultrasonic studies in the $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ single crystal under the magnetic field. Physica C: Superconductivity and Its Applications, 1991, 185-189, 1395-1396.	1.2	9
129	Phase Transition below T_c in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ ($x=0.12$) Observed by ^{138}La -NQR. Journal of the Physical Society of Japan, 1991, 60, 3581-3582.	1.6	12
130	Ultrasonic studies of structural phase transitions and superconductivity in $\text{La}_{2-x}\text{Ba}_x\text{CuO}_4$ and $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. Physica B: Condensed Matter, 1990, 165-166, 1289-1290.	2.7	41
131	Anisotropy of upper critical field in the (110) π and (001) π planes for single-crystal $\text{La}_{1.86}\text{Sr}_{0.14}\text{CuO}_4$. Physica B: Condensed Matter, 1990, 165-166, 1449-1450.	2.7	25
132	A Low-Temperature X-Ray Diffraction Study of Structural Phase Transition in $\text{La}_{1.86}\text{Sr}_{0.14}\text{CuO}_4$. Japanese Journal of Applied Physics, 1990, 29, 2763-2767.	1.5	2
133	Magnetic Field Effect on the Superconducting Transition in $(\text{RE})_x\text{Ba}_{1-x}\text{CuO}_y$. Japanese Journal of Applied Physics, 1987, 26, L2069-L2071.	1.5	6
134	Possibility of negative exchange interaction effect in RE-Ba-Cu oxides. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1987, 148, 446-448.	0.9	0