Yoichi Tanabe

List of Publications by Year
in descending order

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70 papers	2,990 citations	331259 21 h-index	161609 54 g-index
71 all docs	71 docs citations	71 times ranked	4410 citing authors

#	Article	IF	Citations
1	Multifunctional Porous Graphene for Highâ€Efficiency Steam Generation by Heat Localization. Advanced Materials, 2015, 27, 4302-4307.	11.1	769
2	Anomalous Criticality in the Electrical Resistivity of La _{2â€“ x} Sr _x CuO ₄. Science, 2009, 323, 603-607.	6.0	334
3	Bicontinuous Nanoporous Nâ€doped Graphene for the Oxygen Reduction Reaction. Advanced Materials, 2014, 26, 4145-4150.	11.1	261
4	Reconstruction of Band Structure Induced by Electronic Nematicity in an FeSe Superconductor. Physical Review Letters, 2014, 113, 237001.	2.9	228
5	Highâ€Quality Threeâ€Dimensional Nanoporous Graphene. Angewandte Chemie - International Edition, 2014, 53, 4822-4826.	7.2	215
6	Both Electron and Hole Dirac Cone States in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ba</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>FeAs</mml:mi><mml:msub><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50.537 Td (stretchy=" Magnetoresistance. Physical Review Letters, 2011, 106, 217004.	2.9	76
7	Electric transport of a single-crystal iron chalcogenide FeSe superconductor: Evidence of symmetry-breakdown nematicity and additional ultrafast Dirac cone-like carriers. Physical Review B, 2014, 90, .	1.1	72
8	Superconducting Volume Fraction in Overdoped Regime of La2-xSrxCuO4: Implication for Phase Separation from Magnetic-Susceptibility Measurement. Journal of the Physical Society of Japan, 2005, 74, 2893-2896.	0.7	61
9	Phase-fluctuating superconductivity in overdoped La2âˆ’xSrxCuO4. Nature Physics, 2011, 7, 455-458.	6.5	58
10	Weak-coupling<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>-wave BCS superconductivity and unpaired electrons in overdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">La</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml:mi></mml:mrow></ mathvariant="normal">Sr</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">	1.1	49
11	Electric Properties of Dirac Fermions Captured into 3D Nanoporous Graphene Networks. Advanced Materials, 2016, 28, 10304-10310.	11.1	47
12	Cu spin dynamics in the overdoped regime ofLa2âˆ’xSrxCu1âˆ’yZnyO4probed by muon spin relaxation. Physical Review B, 2008, 77, .	1.1	44
13	Three-dimensional porous graphene networks expand graphene-based electronic device applications. Physical Chemistry Chemical Physics, 2018, 20, 6024-6033.	1.3	43
14	In-plane topological p-n junction in the three-dimensional topological insulator Bi2âˆ’xSbxTe3âˆ’ySey. Nature Communications, 2016, 7, 13763.	5.8	42
15	Large-Area and Transferred High-Quality Three-Dimensional Topological Insulator Bi_{2â€“x}Sb_xTe_{3â€“y}Se_y Ultrathin Film by Catalyst-Free Physical Vapor Deposition. Nano Letters, 2017, 17, 2354-2360.	4.5	31
16	Low-temperature heat capacity of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Sr</mml:mtext></mml:mrow><mml:mn>8</mml:mn></mml:msub><mml:msub><mml:mi>Sn</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline. Physical Review B, 2010, 82, .	1.1	28
17	<mml:msub><mml:mi>X</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>Ga<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>16</mml:mn></mml:msub></mml:math>Ge<mml:math	1.1	28
18	Coexistence of Dirac-cone states and superconductivity in iron pnictide Ba(Fe1âˆ’xRuxAs)2. Physical Review B, 2011, 84, .	1.1	27

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19	Magnetic-Field-Induced Enhancement of the Vortex Pinning in the Overdoped Regime of La_{2-<i>x</i>}Sr_{<i>x</i>}CuO₄: Relation to the Microscopic Phase Separation. Journal of the Physical Society of Japan, 2007, 76, 113706.	0.7	26
20	Superconductivity pairing mechanism from cobalt impurity doping in FeSe: Spin (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 717 or orbital (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub fluctuation. Physical Review B, 2016, 93, .	1.1	24
21	Dirac Fermion Kinetics in 3D Curved Graphene. Advanced Materials, 2020, 32, e2005838.	11.1	24
22	Hole trapping by Ni, Kondo effect, and electronic phase diagram in nonsuperconducting Ni-substitutedLa2â^'xSrxCu1â^'yNiyO4. Physical Review B, 2010, 82, .	1.1	21
23	Thermoelectric properties of 3D topological insulator: Direct observation of topological surface and its gap opened states. Physical Review Materials, 2017, 1, .	0.9	21
24	Evidence for line nodes in the energy gap of the overdoped Ba(Fe1â^'xCox)2As2from low-temperature specific heat measurements. Physical Review B, 2011, 84, .	1.1	18
25	Similarity between Ni and Zn impurity effects on the superconductivity and Cu-spin correlation in La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mrow></mml: xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mi>x</mml:mi></mml:mrow	1.1	18
26	Enhanced superconducting transition temperature in hyper-interlayer-expanded FeSe despite the suppressed electronic nematic order and spin fluctuations. Physical Review B, 2015, 92, .	1.1	18
27	Separate tuning of nematicity and spin fluctuations to unravel the origin of superconductivity in FeSe. Npj Quantum Materials, 2020, 5, .	1.8	18
28	Ni-substitution effects on Cu-spin correlation in relating to hole trapping and stripe pinning. Physica B: Condensed Matter, 2009, 404, 717-719.	1.3	17
29	Structure and thermoelectric properties of the n-type clathrate Ba8Cu5.1Ge40.2Sn0.7. Journal of Materials Chemistry A, 2015, 3, 19100-19106.	5.2	17
30	Change of the Ground State upon Hole Doping Unveiled by Ni Impurity in High-Tc Cuprates. Journal of the Physical Society of Japan, 2010, 79, 023706.	0.7	16
31	Van der Waals epitaxial growth of topological insulator Bi2â^'xSbxTe3â^'ySey ultrathin nanoplate on electrically insulating fluorophlogopite mica. Applied Physics Letters, 2014, 105, 063104.	1.5	16
32	Tuning of the ground state in electron doped anthracene. Dalton Transactions, 2014, 43, 10040.	1.6	13
33	Possible phase separation in the overdoped regime of La2â^'xSrxCuO4. Physica C: Superconductivity and Its Applications, 2006, 445-448, 14-16.	0.6	12
34	Thermodynamics and existing phase of Ba-phenanthrene. Physical Review B, 2014, 90, .	1.1	12
35	Electron and Hole Injection via Charge Transfer at the Topological Insulator Bi_{2â€"<i>x</i>}Sb_{<i>x</i>}Te_{3â€"<i>y</i>}Se_{<i>y</i>}â€"Organic Molecule Interface. Journal of Physical Chemistry C, 2014, 118, 3533-3538.	1.5	12
36	Anomalous behavior of the second magnetization peak in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>1.81</mml crystals: Possible influence of two-band. Physical Review B, 2008, 78, .	1.1	11

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37	Heat Capacity Study on Anharmonicity in Ae8Ga16Ge30 (AeÂ=ÂSr and Ba). Journal of Electronic Materials, 2011, 40, 879-883.	1.0	11
38	Curie-like paramagnetism due to incomplete Zhang-Rice singlet formation in La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Sr<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>CuO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:.	1.1	11
39	Suppression of backward scattering of Dirac fermions in iron pnictides Ba(Fe1â^'xRuxAs)2. Physical Review B, 2012, 86, .	1.1	11
40	Mobility spectrum analytical approach for intrinsic band picture of Ba(FeAs)₂. New Journal of Physics, 2014, 16, 093062.	1.2	11
41	Kondo-like mass enhancement of Dirac fermions in Ba(Fe<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 607 Td (xmlns:mml=	1.1	11
42	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn> Low-Temperature Physical Properties of Ba8Ni x Ge46â^'x (xÂ=Â3,Â4,Â6). Journal of Electronic Materials, 2012, 41, 1177-1180.	1.0	10
43	Magnetic-Susceptibility and Specific-Heat Studies on the Inhomogeneity of Superconductivity in the Underdoped La_{2-x}Sr_xCuO₄. Journal of the Physical Society of Japan, 2009, 78, 114707.	0.7	9
44	Distinct Fe-induced magnetic states in the underdoped and overdoped regimes of La2â^'xSrxCu1â^'yFeyO4revealed by muon spin relaxation. Physical Review B, 2012, 86, .	1.1	9
45	Negative and positive magnetoresistance in the itinerant antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaMn</mml:mi><mml:mn>2</mml:mn><mml:m (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 417 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow	1.1	9
46	Î¼SR study of impurity effects on the Cu-spin fluctuations in the overdoped regime of La2â^'xSrxCu1â^'yZnyO4. Physica C: Superconductivity and Its Applications, 2007, 460-462, 874-875.	0.6	8
47	Heat capacity studies on rattling vibrations in Baâ€“TMâ€“Ge type I clathrates. Journal of Physics and Chemistry of Solids, 2012, 73, 1521-1523.	1.9	8
48	Systematic studies on anharmonicity of rattling phonons in type-I clathrates by low-temperature heat capacity measurements. Physical Review B, 2014, 89, .	1.1	8
49	Development of Cu-spin correlation in Bi1.74Pb0.38Sr1.88Cu1â^'yZnyO6+Î´high-temperature superconductors observed by muon spin relaxation. Physical Review B, 2011, 83, .	1.1	7
50	Possible microscopic phase separation in the overdoped regime of La2â^'xSrxCuO4 studied by the magnetic susceptibility and electrical resistivity. Physica C: Superconductivity and Its Applications, 2007, 460-462, 376-377.	0.6	6
51	Rattler Site Selectivity and Covalency Effects in Type-I Clathrates. Journal of the Physical Society of Japan, 2013, 82, 014703.	0.7	6
52	Systematic Study of the Electronic States in Electron-Doped Polyacenes. European Journal of Inorganic Chemistry, 2014, 2014, 4033-4038.	1.0	6
53	Possible phase separation in the underdoped La2â^'xSrxCuO4 studied by the magnetic susceptibility. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1184-1185.	0.6	5
54	Thermal-conductivity study on the electronic state in the overdoped regime of La_{2-x}Sr_xCuO₄: phase separation and anomaly at x â^¼ 0.21. Journal of Physics: Conference Series, 2009, 150, 052115.	0.3	5

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55	Muon Knight shift study of pseudogap state in underdoped (Bi,Pb)2201. Physica C: Superconductivity and Its Applications, 2010, 470, S55-S56.	0.6	5
56	Development of Spatial Inhomogeneity of Internal Magnetic Field Above Tc in Bi2Sr2Ca1â˜'xYxCu2O8+Î´ Observed by Longitudinal-Field Muon Spin Relaxation. Journal of the Physical Society of Japan, 2014, 83, 074707.	0.7	5
57	Single Crystal Structure Study of Type I Clathrate $$hbox {K}_{8}hbox {Zn}_4hbox {Sn}_{42}$$ K 8 Zn 4 Sn 42 and $$hbox {K}_8hbox {In}_8hbox {Sn}_{38}$$ K 8 In 8 Sn 38. Journal of Electronic Materials, 2017, 46, 2765-2769.	1.0	3
58	Emergence of high-mobility minority holes in the electrical transport of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ba</mml:mi><mml:mo>(</mml:mo><mml:msub><mml:mi) Tj ETQq0 0 pnictides. Physical Review B, 2015, 91, .	1.1	2
59	Inhomogeneous superconducting state in the overdoped regime of La2â˜'Sr CuO4: Comparison with the superconducting state of NbSe2. Journal of Physics and Chemistry of Solids, 2008, 69, 3217-3220.	1.9	1
60	Hole-trapping and Kondo effect in Ni-substituted La2â˜'Sr Cu1â˜'NiyO4 with x = 0.08â€"0.30. Physica C: Superconductivity and Its Applications, 2010, 470, S57-S58.	0.6	1
61	Low-Temperature Physical and Thermoelectric Properties of Ba8Ni5Ge41. Journal of Electronic Materials, 2013, 42, 2025-2029.	1.0	1
62	A Field-Directional Specific Heat Study on the Gap Structure of Overdoped Ba(Fe_{1-x}Co_x)₂As₂. Journal of the Physical Society of Japan, 2013, 82, 054714.	0.7	1
63	Metal-insulator transition and pseudogap in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>Bi</mml:mtext><mml:mrow><mml:mi> Physical Review B, 2016, 94, .	1.1	1
64	Electronic States and Energy Dissipations of Vortex Core in Pure FeSe Single Crystals Investigated by Microwave Surface Impedance Measurements. Journal of the Physical Society of Japan, 2021, 90, 094704.	0.7	1
65	Possible inhomogeneity of superconductivity in (Y,Ca)Ba2Cu3O7-Î´probed by magnetic susceptibility and specific heat. Journal of Physics: Conference Series, 2009, 150, 052032.	0.3	0
66	Possible bulk inhomogeneity of superconductivity in Y1-xCaxBa2Cu3O7-Î´ (x= 0â€"0.2). Physica C: Superconductivity and Its Applications, 2010, 470, S199-S200.	0.6	0
67	Gap Structure of the Overdoped Iron-Pnictide Superconductor Ba(Fe0.942Ni0.058)2As2: A Low-Temperature Specific-Heat Study. Advances in Condensed Matter Physics, 2015, 2015, 1-5.	0.4	0
68	Low-energy Î¼SR Study on the Tetradymite Topological Insulator Bi1.5Sb0.5TeSe2. Physics Procedia, 2015, 75, 100-105.	1.2	0
69	Understanding the Detection Mechanisms and Ability of Molecular Hydrogen on Three-Dimensional Bicontinuous Nanoporous Reduced Graphene Oxide. Materials, 2020, 13, 2259.	1.3	0
70	Hints for the nematic pseudogap in the nearly optimally doped La2â˜'xSrxCuO4 superconductor. Physical Review Research, 2020, 2, .	1.3	0