

Yoichi Tanabe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8682346/publications.pdf>

Version: 2024-02-01

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	Electronic States and Energy Dissipations of Vortex Core in Pure FeSe Single Crystals Investigated by Microwave Surface Impedance Measurements. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 094704.	0.7	1
2	Dirac Fermion Kinetics in 3D Curved Graphene. <i>Advanced Materials</i> , 2020, 32, e2005838.	11.1	24
3	Understanding the Detection Mechanisms and Ability of Molecular Hydrogen on Three-Dimensional Bicontinuous Nanoporous Reduced Graphene Oxide. <i>Materials</i> , 2020, 13, 2259.	1.3	0
4	Separate tuning of nematicity and spin fluctuations to unravel the origin of superconductivity in FeSe. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	18
5	Hints for the nematic pseudogap in the nearly optimally doped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ superconductor. <i>Physical Review Research</i> , 2020, 2, .	1.3	0
6	Negative and positive magnetoresistance in the itinerant antiferromagnet BaMn_2O_7 . <i>Physical Review Letters</i> , 2019, 123, 087201.	1.3	0
7	Three-dimensional porous graphene networks expand graphene-based electronic device applications. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6024-6033.	1.3	43
8	Large-Area and Transferred High-Quality Three-Dimensional Topological Insulator $\text{Bi}_2\text{SbTe}_3\text{Se}$ Ultrathin Film by Catalyst-Free Physical Vapor Deposition. <i>Nano Letters</i> , 2017, 17, 2354-2360.	4.5	31
9	Single Crystal Structure Study of Type I Clathrate $\text{K}_8\text{Zn}_4\text{Sn}_{42}$ and $\text{K}_8\text{Zn}_4\text{In}_8\text{Sn}_{38}$. <i>Journal of Electronic Materials</i> , 2017, 46, 2765-2769.	1.0	3
10	Thermoelectric properties of 3D topological insulator: Direct observation of topological surface and its gap opened states. <i>Physical Review Materials</i> , 2017, 1, .	0.9	21
11	In-plane topological p-n junction in the three-dimensional topological insulator $\text{Bi}_2\text{SbTe}_3\text{Se}$. <i>Nature Communications</i> , 2016, 7, 13763.	5.8	42
12	Electric Properties of Dirac Fermions Captured into 3D Nanoporous Graphene Networks. <i>Advanced Materials</i> , 2016, 28, 10304-10310.	11.1	47
13	Superconductivity pairing mechanism from cobalt impurity doping in FeSe: Spin or orbital fluctuation. <i>Physical Review B</i> , 2016, 93, .	1.1	0
14	Metal-insulator transition and pseudogap in $\text{Bi}_2\text{SbTe}_3\text{Se}$. <i>Physical Review B</i> , 2016, 94, .	1.1	0
15	Emergence of high-mobility minority holes in the electrical transport of the BaMo_2O_7 . <i>Physical Review B</i> , 2015, 91, .	1.1	2
16	Enhanced superconducting transition temperature in hyper-interlayer-expanded FeSe despite the suppressed electronic nematic order and spin fluctuations. <i>Physical Review B</i> , 2015, 92, .	1.1	18
17	Multifunctional Porous Graphene for High-Efficiency Steam Generation by Heat Localization. <i>Advanced Materials</i> , 2015, 27, 4302-4307.	11.1	769
18	Gap Structure of the Overdoped Iron-Pnictide Superconductor $\text{Ba}(\text{Fe}_{0.942}\text{Ni}_{0.058})_2\text{As}_2$: A Low-Temperature Specific-Heat Study. <i>Advances in Condensed Matter Physics</i> , 2015, 2015, 1-5.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Low-energy $\frac{1}{4}$ SR Study on the Tetradymite Topological Insulator $\text{Bi}_{1.5}\text{Sb}_{0.5}\text{TeSe}_2$. <i>Physics Procedia</i> , 2015, 75, 100-105.	1.2	0
20	Structure and thermoelectric properties of the n-type clathrate $\text{Ba}_8\text{Cu}_5.1\text{Ge}_{40.2}\text{Sn}_{0.7}$. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19100-19106.	5.2	17
21	Mobility spectrum analytical approach for intrinsic band picture of $\text{Ba}(\text{FeAs})_2$. <i>New Journal of Physics</i> , 2014, 16, 093062.	1.2	11
22	Van der Waals epitaxial growth of topological insulator $\text{Bi}_2\text{xSbxTe}_3\text{ySe}_y$ ultrathin nanoplate on electrically insulating fluorophlogopite mica. <i>Applied Physics Letters</i> , 2014, 105, 063104.	1.5	16
23	Systematic Study of the Electronic States in Electron-Doped Polyacenes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4033-4038.	1.0	6
24	Reconstruction of Band Structure Induced by Electronic Nematicity in an FeSe Superconductor. <i>Physical Review Letters</i> , 2014, 113, 237001.	2.9	228
25	High-Quality Three-Dimensional Nanoporous Graphene. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4822-4826.	7.2	215
26	Bicontinuous Nanoporous N-doped Graphene for the Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2014, 26, 4145-4150.	11.1	261
27	Electric transport of a single-crystal iron chalcogenide FeSe superconductor: Evidence of symmetry-breakdown nematicity and additional ultrafast Dirac cone-like carriers. <i>Physical Review B</i> , 2014, 90, .	1.1	72
28	Thermodynamics and existing phase of Ba-phenanthrene. <i>Physical Review B</i> , 2014, 90, .	1.1	12
29	Tuning of the ground state in electron doped anthracene. <i>Dalton Transactions</i> , 2014, 43, 10040.	1.6	13
30	Electron and Hole Injection via Charge Transfer at the Topological Insulator $\text{Bi}_2\text{Sb}_3\text{Te}_5\text{Se}$ Organic-Molecule Interface. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3533-3538. Qq1 1 0.784314 rgBT /Overlock 10 Tf 50 287 Td (xmlns:mmml:="https://www.elsevier.com/locate/0167-9014")	1.5	12
31		1.1	11
32	Development of Spatial Inhomogeneity of Internal Magnetic Field Above T_c in $\text{Bi}_2\text{Sr}_2\text{Ca}_1\text{xYxCu}_2\text{O}_{8+\delta}$ Observed by Longitudinal-Field Muon Spin Relaxation. <i>Journal of the Physical Society of Japan</i> , 2014, 83, 074707.	0.7	5
33	Systematic studies on anharmonicity of rattling phonons in type-I clathrates by low-temperature heat capacity measurements. <i>Physical Review B</i> , 2014, 89, .	1.1	8
34	Low-Temperature Physical and Thermoelectric Properties of $\text{Ba}_8\text{Ni}_5\text{Ge}_{41}$. <i>Journal of Electronic Materials</i> , 2013, 42, 2025-2029.	1.0	1
35	A Field-Directional Specific Heat Study on the Gap Structure of Overdoped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 054714.	0.7	1
36	Rattler Site Selectivity and Covalency Effects in Type-I Clathrates. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 014703.	0.7	6

#	ARTICLE	IF	CITATIONS
37	Quantitative relation between structure and thermal conductivity in type-I clathrates Heat capacity studies on rattling vibrations in Ba ϵ TM ϵ Ge type I clathrates. Journal of Physics and Chemistry of Solids, 2012, 73, 1521-1523.	1.1	11
38	Suppression of backward scattering of Dirac fermions in iron pnictides Ba(Fe $1\hat{x}$ Ru x As) 2 . Physical Review B, 2012, 86, .	1.1	11
39	Distinct Fe-induced magnetic states in the underdoped and overdoped regimes of La $2\hat{x}$ Sr x Cu $1\hat{y}$ FeyO 4 revealed by muon spin relaxation. Physical Review B, 2012, 86, .	1.1	9
40	Heat capacity studies on rattling vibrations in Ba ϵ TM ϵ Ge type I clathrates. Journal of Physics and Chemistry of Solids, 2012, 73, 1521-1523.	1.9	8
41	Quantitative relation between structure and thermal conductivity in type-I clathrates Low-temperature physical properties of Ba 8 Ni x Ge $46\hat{x}$ (x \hat{A} = $\hat{A}3, \hat{A}4, \hat{A}6$). Journal of Electronic Materials, 2012, 41, 1177-1180.	1.1	28
42	Low-Temperature Physical Properties of Ba 8 Ni x Ge $46\hat{x}$ (x \hat{A} = $\hat{A}3, \hat{A}4, \hat{A}6$). Journal of Electronic Materials, 2012, 41, 1177-1180.	1.0	10
43	Both Electron and Hole Dirac Cone States in Magnetoresistance. Physical Review Letters, 2011, 106, 217004.	1.0	10
44	Phase-fluctuating superconductivity in overdoped La $2\hat{x}$ Sr x CuO 4 . Nature Physics, 2011, 7, 455-458.	6.5	58
45	Heat Capacity Study on Anharmonicity in Ae 8 Ga 16 Ge 30 (Ae \hat{A} = $\hat{A}Sr$ and Ba). Journal of Electronic Materials, 2011, 40, 879-883.	1.0	11
46	Evidence for line nodes in the energy gap of the overdoped Ba(Fe $1\hat{x}$ Cox) 2 As 2 from low-temperature specific heat measurements. Physical Review B, 2011, 84, .	1.1	18
47	Similarity between Ni and Zn impurity effects on the superconductivity and Cu-spin correlation in Coexistence of Dirac-cone states and superconductivity in iron pnictide Ba(Fe $1\hat{x}$ Ru x As) 2 . Physical Review B, 2011, 84, .	1.1	18
48	Coexistence of Dirac-cone states and superconductivity in iron pnictide Ba(Fe $1\hat{x}$ Ru x As) 2 . Physical Review B, 2011, 84, .	1.1	27
49	Development of Cu-spin correlation in Bi 1.74 Pb 0.38 Sr 1.88 Cu $1\hat{y}$ ZnyO $6+1\hat{z}$ high-temperature superconductors observed by muon spin relaxation. Physical Review B, 2011, 83, .	1.1	7
50	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
51	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
52	Possible bulk inhomogeneity of superconductivity in Y $1-x$ CaxBa 2 Cu 3 O $7-\hat{z}$ (x= 0 $\hat{\epsilon}$ 0.2). Physica C: Superconductivity and Its Applications, 2010, 470, S199-S200.	0.6	0
53	Hole-trapping and Kondo effect in Ni-substituted La $2\hat{x}$ Sr Cu $1\hat{y}$ NiyO 4 with x = 0.08 $\hat{\epsilon}$ 0.30. Physica C: Superconductivity and Its Applications, 2010, 470, S57-S58.	0.6	1
54	Low-temperature heat capacity of Physical Review B, 2010, 82, .	0.8	8

#	ARTICLE	IF	CITATIONS
55	Hole trapping by Ni, Kondo effect, and electronic phase diagram in nonsuperconducting Ni-substituted $\text{La}_{2-x}\text{Sr}_x\text{Cu}_1-y\text{Ni}_y\text{O}_4$. <i>Physical Review B</i> , 2010, 82, .	1.1	21
56	Ni-substitution effects on Cu-spin correlation in relating to hole trapping and stripe pinning. <i>Physica B: Condensed Matter</i> , 2009, 404, 717-719.	1.3	17
57	Anomalous Criticality in the Electrical Resistivity of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. <i>Science</i> , 2009, 323, 603-607.	6.0	334
58	Possible inhomogeneity of superconductivity in $(\text{Y,Ca})\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ probed by magnetic susceptibility and specific heat. <i>Journal of Physics: Conference Series</i> , 2009, 150, 052032.	0.3	0
59	Thermal-conductivity study on the electronic state in the overdoped regime of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$: phase separation and anomaly at $x \approx 0.21$. <i>Journal of Physics: Conference Series</i> , 2009, 150, 052115.	0.3	5
60	Magnetic-Susceptibility and Specific-Heat Studies on the Inhomogeneity of Superconductivity in the Underdoped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 114707.	0.7	9
61	Inhomogeneous superconducting state in the overdoped regime of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$: Comparison with the superconducting state of NbSe_2 . <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 3217-3220.	1.9	1
62	Cu spin dynamics in the overdoped regime of $\text{La}_{2-x}\text{Sr}_x\text{Cu}_1-y\text{Zn}_y\text{O}_4$ probed by muon spin relaxation. <i>Physical Review B</i> , 2008, 77, .	1.1	44
63	Anomalous behavior of the second magnetization peak in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ crystals: Possible influence of two-band structure. <i>Physical Review B</i> , 2008, 77, 1181.	1.1	1181
64	Weak-coupling wave BCS superconductivity and unpaired electrons in overdoped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. <i>Physical Review B</i> , 2008, 77, 1181.	1.1	49
65	Magnetic-Field-Induced Enhancement of the Vortex Pinning in the Overdoped Regime of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$: Relation to the Microscopic Phase Separation. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 113706.	0.7	26
66	Possible microscopic phase separation in the overdoped regime of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ studied by the magnetic susceptibility and electrical resistivity. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 376-377.	0.6	6
67	^{63}Cu NMR study of impurity effects on the Cu-spin fluctuations in the overdoped regime of $\text{La}_{2-x}\text{Sr}_x\text{Cu}_1-y\text{Zn}_y\text{O}_4$. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 874-875.	0.6	8
68	Possible phase separation in the underdoped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ studied by the magnetic susceptibility. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 1184-1185.	0.6	5
69	Possible phase separation in the overdoped regime of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 445-448, 14-16.	0.6	12
70	Superconducting Volume Fraction in Overdoped Regime of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$: Implication for Phase Separation from Magnetic-Susceptibility Measurement. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 2893-2896.	0.7	61