Tadashi Adachi

List of Publications by Year
in descending order

79 papers	1,277 citations	394421 19 h-index	377865 34 g-index
79 all docs	79 docs citations	79 times ranked	1199 citing authors

#	Article	IF	Citations
1	Estimation of the on-site Coulomb potential and covalent state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> by muon spin rotation and density functional theory calculations. Physical Review Research, 2022, 4, .	3.6	3
2	Extended superconducting dome revealed by angle-resolved photoemission spectroscopy of electron-doped cuprates prepared by the protect annealing method. Physical Review Research, 2021, 3, .	3.6	10
3	Fermi Surface Geometry and Inhomogeneous Electronic States in Pr1.3âˆ’xLa0.7CexCuO4 (x = 0.05) with Small Superconducting Volume Fraction. Journal of the Physical Society of Japan, 2021, 90, 054704.	1.6	0
4	Sulfur-induced magnetism in FeSe1âˆ’xSx thin films on LaAlO3 revealed by muon spin rotation/relaxation. Physical Review B, 2021, 103, .	3.2	4
5	Magnetic Impurity Effects on Ferromagnetic Fluctuations in Heavily Overdoped (Bi,Pb)2Sr2Cu1âˆ’yFeyO6+Î´ Cuprates. Journal of the Physical Society of Japan, 2021, 90, 084701.	1.6	2
6	Reduction Annealing Effects on the Crystal Structure of Tâ€²-type La_{1.8}Eu_{0.2}CuO₄₊_{Î±}_{âˆ’}_{Î´} Journal of the Physical Society of Japan, 2021, 90, 105002.	1.6	4
7	Observation of Cu Spin Fluctuations in High-Tc Cuprate Superconductor Nanoparticles Investigated by Muon Spin Relaxation. Nanomaterials, 2021, 11, 3450.	4.1	4
8	Pseudogap Behavior in Tâ€²-Pr1.3âˆ’xLa0.7CexCuO4 Revealed by 63,65Cu NMR. Journal of the Physical Society of Japan, 2020, 89, 073709.	1.6	2
9	Using Uniaxial Stress to Probe the Relationship between Competing Superconducting States in a Cuprate with Spin-stripe Order. Physical Review Letters, 2020, 125, 097005.	7.8	22
10	High-Temperature Charge-Stripe Correlations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>La</mml:mi></mml:mrow><mml:mrow><mml:mn>1.675</mml:mn> Physical Review Letters, 2020, 124, 187002.	7.8	16
11	Hints for the nematic pseudogap in the nearly optimally doped La2âˆ’xSrxCuO4 superconductor. Physical Review Research, 2020, 2, .	3.6	0
12	Muon-spin relaxation study of the spin correlations in the overdoped regime of electron-doped high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi mathvariant="normal">c</mml:mi></mml:msub></mml:math> cuprate superconductors. Physical Review B, 2019, 100, .	3.2	3
13	-wave superconducting gap observed in protect-annealed electron-doped cuprate superconductors <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Pr</mml:mi><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.3</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mi>La</mml:mi>	3.2	13
14	Fabrication of High-Temperature Quasi-Two-Dimensional Superconductors at the Interface of a Ferroelectric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ba</mml:mi></mml:mrow><mml:mrow><mml:mn>0.8</mml:mn> Physical Review Letters, 2019, 122, 237001.	7.8	22
15	Nature of Carrier Doping in Tâ€²-La_{1.8âˆ’}_xEu_{0.2}Sr_xCuO₄ Studied by X-Ray Photoemission and Absorption Spectroscopy. Journal of the Physical Society of Japan, 2019, 88, 115004.	1.6	5
16	Thermal Conductivity and Magnetic Phase Diagram of CuB2O4. Journal of the Physical Society of Japan, 2019, 88, 114708.	1.6	7
17	Pauli-limit upper critical field of high-temperature superconductor La1.84Sr0.16CuO4. Scientific Reports, 2019, 9, 16949.	3.3	6
18	Optical Study of Electron-Doped Cuprate Pr1.3âˆ’xLa0.7CexCuO4+Î´ in Under-Doped Regime: Revisit the Phase Diagram. Journal of the Physical Society of Japan, 2018, 87, 043705.	1.6	8

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19	Reduction Effects on the Cu-Spin Correlation in the Electron-Doped Tâ€²-Cuprate Pr1.3â^'xLa0.7CexCuO4+Î´ (x = 0.10). , 2018, , .		2
20	Microwave Absorption by Charge Density Waves in La2â€“xSrxCuO4. JETP Letters, 2018, 108, 675-679.	1.4	0
21	Impurity Effects on the Electronic State in the Undoped (Ce-free) Superconductor Tâ€²-La1.8Eu0.2CuO4 Studied by Muon Spin Relaxation. Journal of the Physical Society of Japan, 2018, 87, 094717.	1.6	4
22	Magnetic field effect in stripe-ordered 214(La1.6â^'xNd0.4)SrxCuO4 and La2â^'xBaxCuO4 superconducting cuprates studied by resonant soft x-ray scattering. Physical Review B, 2018, 97, .	3.2	2
23	Development of Ferromagnetic Fluctuations in Heavily Overdoped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mi>Bi</mml:mi><mml:mo>,</mml:mo><mml:mi>Pb</mml:mi><mml:msub><mml:mrow></mml:mrow><mml:m	7.8	28
24	Pressure tuning of structure, superconductivity, and novel magnetic order in the Ce-underdoped electron-doped cuprate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow><mml:mi mathvariant="normal">T</mml:mi></mml:mrow><mml:msup><mml:mrow /><mml:mo>â€²</mml:mo></mml:msup></mml:msup><mml:mtext>â^'</mml:mtext><mml:msub><mml:mi>Pr</mml:mi><mml:mrow><mml:mo> Physical Review B, 2017, 96, .	3.2	6
25	Superconducting Fluctuations Above the Critical Temperature in Bi2Sr2Ca1â^'x Y x Cu2O8+Î´ as Revealed by Microwave Absorption. Applied Magnetic Resonance, 2017, 48, 861-870.	1.2	2
26	Novel Electronic State and Superconductivity in the Electron-Doped High-Tc Tâ€™-Superconductors. Condensed Matter, 2017, 2, 23.	1.8	22
27	Pairing Symmetry Studied from Impurity Effects in the Undoped Superconductor Tâ€²-La1.8Eu0.2CuO4. Journal of the Physical Society of Japan, 2016, 85, 093703.	1.6	7
28	Suppression of the antiferromagnetic pseudogap in the electron-doped high-temperature superconductor by protect annealing. Nature Communications, 2016, 7, 10567.	12.8	73
29	Î¼SR Studies on Magnetism in High-Tc Cuprates. Journal of the Physical Society of Japan, 2016, 85, 091006.	1.6	6
30	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 Physical Review B, 2016, 94, .	3.2	1
31	Strong Electron Correlation behind the Superconductivity in Ce-Free and Ce-Underdoped High-T_c Tâ€²-Cuprates. Journal of the Physical Society of Japan, 2016, 85, 114716.	1.6	30
32	Successive Magnetic Transitions Relating to Itinerant Spins and Localized Cu Spins in La_{2â^'}_xSr_xCu_{1â^'}_yFe_yO<sub> Possible Existence of Stripe Correlations in the Overdoped Regime. Journal of the Physical Society of Japan, 2016, 85, 124705.	1.6	4
33	Existence of Large Antiferromagnetic Spin Fluctuations in Ce-Doped Tâ€²-Cuprate Superconductors. Journal of the Physical Society of Japan, 2016, 85, 024708.	1.6	14
34	Î¼SR Studies on Superconductorsâ€”Magnetism in High-T_c Cupratesâ€”. Radioisotopes, 2016, 65, 325-344.	0.2	0
35	Resolving unoccupied electronic states with laser ARPES in bismuth-based cuprate superconductors. Physical Review B, 2015, 91, .	3.2	9
36	EPR Study of the Local Magnetic Field Distribution over the Bi2Sr2Ca1â^'x Y x Cu2O8+y Crystal Surface above the Superconducting Transition Temperature. Applied Magnetic Resonance, 2015, 46, 897-907.	1.2	3

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37	Superconducting Gap and Symmetry in FeSe_{1â^'}_xTe_x Studied by Specific Heat in Magnetic Fields. Journal of the Physical Society of Japan, 2014, 83, 094721.	1.6	3
38	Thermal Conductivity and Annealing Effects in the Iron-Based Superconductor FeSe0.3Te0.7. Journal of the Physical Society of Japan, 2014, 83, 044704.	1.6	8
39	Ultrafast quenching of electronâ€“boson interaction and superconducting gap in a cuprate superconductor. Nature Communications, 2014, 5, 4959.	12.8	50
40	Possible ferromagnetic phase in non-superconducting heavily overdoped cuprates of Bi-2201. Journal of Physics: Conference Series, 2014, 568, 022003.	0.4	5
41	Electronic Homogeneity in the Overdoped Regime of the Electron-Doped High-TcSuperconductors. Journal of Physics: Conference Series, 2014, 568, 022002.	0.4	1
42	Evolution of the Electronic State through the Reduction Annealing in Electron-Doped Pr1.3-xLa0.7CexCuO4+Î´(x=0.10) Single Crystals: Antiferromagnetism, Kondo Effect, and Superconductivity. Journal of the Physical Society of Japan, 2013, 82, 063713.	1.6	68
43	Resonant inelastic x-ray scattering study of intraband charge excitations in hole-doped high-Tccuprates. Physical Review B, 2013, 87, .	3.2	10
44	Superconducting Symmetry Studied from Impurity Effects in Single-Crystal Fe1-yMySe0.3Te0.7 (M = Co,) Tj ETQq0 0 0 rgBT /Overlock 1	1.6	14
45	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:m 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	3.2	11
46	Specific-Heat Study of Superconducting and Normal States in FeSe_{1-x}Te_x (0.6â‰¤x â‰¤1) Single Crystals: Strong-Coupling Superconductivity, Strong Electron-Correlation, and Inhomogeneity. Journal of the Physical Society of Japan, 2012, 81, 054708.	1.6	39
47	In-plane Cuâ€“O bond distribution and charge inhomogeneity in La2â^'xSrxCuO4 as a function of doping. Journal of Applied Physics, 2012, 111, 112622.	2.5	0
48	EPR search for vortex excitations in Bi2Sr2Ca1 â^' x Y x Cu2O8 + y crystals above the critical temperature. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 136-138.	0.6	0
49	Phase-fluctuating superconductivity in overdoped La2â^'xSrxCuO4. Nature Physics, 2011, 7, 455-458.	16.7	58
50	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:m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:mrow	3.2	18
51	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.	1.6	16
52	Muon spin relaxation study of the Cu spin dynamics in electron-doped high-TcsuperconductorPr0.86LaCe0.14Cu1â^'yZnyO4. Physical Review B, 2010, 82, .	3.2	31
53	Growth, Annealing Effects on Superconducting and Magnetic Properties, and Anisotropy of FeSe_{1-x}Te_x (0.5â‰¤xâ‰¤1) Single Crystals. Journal of the Physical Society of Japan, 2010, 79, 084711.	1.6	104
54	Incommensurate spin correlations induced by magnetic Fe ions substituted into overdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Bi</mml:mtext></mml:mrow><mml:mrow><mml:mn>1.75</mml:m Physical Review B, 2010, 81, .	3.2	15

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55	Independent Control of Low-Energy Resonant States and Polaron States by the Zn-Doping and the Structural Transition inÂLa2â^'x Sr x CuO4 and La2â^'x Ba x CuO4 (x=0.11). Journal of Superconductivity and Novel Magnetism, 2009, 22, 313-317.	1.8	0
56	Energy gaps in the failed high-Tc superconductor La1.875Ba0.125CuO4. Nature Physics, 2009, 5, 119-123.	16.7	94
57	Cu spin dynamics in the overdoped regime ofLa2â^'xSrxCu1â^'yZnyO4probed by muon spin relaxation. Physical Review B, 2008, 77, .	3.2	44
58	Magnetic-Field-Induced Enhancement of the Vortex Pinning in the Overdoped Regime of La_{2-x}Sr_xCuO₄: Relation to the Microscopic Phase Separation. Journal of the Physical Society of Japan, 2007, 76, 113706.	1.6	26
59	Buckling of the CuO2 Plane in Single Crystals of La-Based High-TC Cuprates Observed by NMR. AIP Conference Proceedings, 2006, , .	0.4	0
60	Crystal Growth of Superconducting La2126 without HIP Treatment. AIP Conference Proceedings, 2006, , .	0.4	0
61	Evidence for Ballistic Thermal Conduction in the One-Dimensional Spin System Sr2CuO3. AIP Conference Proceedings, 2006, , .	0.4	8
62	In-Plane Electrical Resistivity under Strong Magnetic Fields up to 27 T in La2â^'xBaxCuO4 and La2â^'xSrxCuO4 around x = 1/8. AIP Conference Proceedings, 2006, , .	0.4	1
63	Magnetic-field effects on the charge-spin stripe order in La-214 high-Tc cuprates. Journal of Physics: Conference Series, 2006, 51, 259-262.	0.4	4
64	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.	1.6	61
65	FIELD-INDUCED AND IMPURITY-INDUCED MAGNETIC ORDER IN La2-xSrxCuO4 STUDIED BY THE THERMAL CONDUCTIVITY AND Î¼SR. International Journal of Modern Physics B, 2005, 19, 181-184.	2.0	0
66	Field-induced magnetic order inLa2â^'xSrxCuO4(x=0.10,0.115,0.13)studied by in-plane thermal conductivity measurements. Physical Review B, 2004, 70, .	3.2	16
67	Title is missing!. Journal of Low Temperature Physics, 2003, 131, 293-297.	1.4	2
68	1/8 Anomaly in the Excess-Oxygen-Doped La2â^'x A x CuO4+Î´ (A = Nd, Bi, Pr). Journal of Low Temperature Physics, 2003, 131, 837-841.	1.4	2
69	Title is missing!. Journal of Low Temperature Physics, 2003, 131, 843-847.	1.4	8
70	Î¼SR Study on Slowing-Down Behavior of the Cu-Spin Fluctuations at High Temperatures in La2â^'x Sr x CuO4. Journal of Low Temperature Physics, 2003, 131, 331-335.	1.4	4
71	Crystal growth, transport properties, and crystal structure of the single-crystal La2-xBaxCuO4 (x=0.11). Physical Review B, 2001, 64, .	3.2	58
72	Impurity effects on the stripes in the La-214, Bi-2212 and Y-123 phases. AIP Conference Proceedings, 2001, , .	0.4	0

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73	Spin Gap and Hole Pairing in the Spin-Ladder Cuprate Sr14-xAxCu24O41(A=Ca and La) Studied by the Thermal Conductivity. Journal of the Physical Society of Japan, 2001, 70, 437-444.	1.6	70
74	POSSIBLE CHARGE AND/OR SPIN ORDERING IN THE Bi-2212, Y-123 AND La-214 PHASES. International Journal of Modern Physics B, 2000, 14, 3520-3529.	2.0	6
75	1/8 PROBLEMS IN THE La-, Bi- AND Y-BASED CUPRATES AND NEW ANOMALIES IN THE OVERDOPED REGION OF THE La-BASED CUPRATE. International Journal of Modern Physics B, 1999, 13, 3546-3551.	2.0	2
76	Title is missing!. Journal of Low Temperature Physics, 1999, 117, 1157-1161.	1.4	10
77	Title is missing!. Journal of Low Temperature Physics, 1999, 117, 1151-1155.	1.4	27
78	Title is missing!. Journal of Low Temperature Physics, 1999, 117, 1689-1693.	1.4	35
79	Metal-insulator transition and spin gap in the spin-ladder cuprate Sr14â^'x A x Cu24O41 (A=Ca, Ba, Y, La). European Physical Journal D, 1996, 46, 2701-2702.	0.4	4