Louis Taillefer

List of Publications by Year
in descending order

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143 papers	14,033 citations	12330 69 h-index	19749 117 g-index
144 all docs	144 docs citations	144 times ranked	5780 citing authors

#	Article	IF	Citations
1	Seebeck Coefficient in a Cuprate Superconductor: Particle-Hole Asymmetry in the Strange Metal Phase and Fermi Surface Transformation in the Pseudogap Phase. Physical Review X, 2022, 12, .	8.9	11
2	Fermi surface transformation at the pseudogap critical point of a cuprate superconductor. Nature Physics, 2022, 18, 558-564.	16.7	20
3	Thermal Hall conductivity of electron-doped cuprates. Physical Review B, 2022, 105, .	3.2	10
4	Subphases in the superconducting state of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>CeIrIn</mml:mi></mml:mrow><mml:mn>5</mml:mn></mml:msub></mml:math> revealed by low-temperature <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>c</mml:mi></mml:math> -axis heat transport. Physical Review Research, 2022, 4, .	3.6	0
5	Evidence of a Phonon Hall Effect in the Kitaev Spin Liquid Candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mrow><mml:mi>RuCl</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review X, 2022, 12, .	8.9	37
6	Ultrasound evidence for a two-component superconducting order parameter in Sr2RuO4. Nature Physics, 2021, 17, 194-198.	16.7	74
7	Effect of pressure on the pseudogap and charge density wave phases of the cuprate Nd-LSCO probed by thermopower measurements. Physical Review Research, 2021, 3, .	3.6	3
8	Thermopower across the phase diagram of the cuprate La1.6â^'xNd0.4SrxCuO4 : Signatures of the pseudogap and charge density wave phases. Physical Review B, 2021, 103, .	3.2	21
9	Normal state specific heat in the cuprate superconductors <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	3.2	26
10	Linear-in temperature resistivity from an isotropic Planckian scattering rate. Nature, 2021, 595, 667-672.	27.8	55
11	Transport signatures of the pseudogap critical point in the cuprate superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">La</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">CuO</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 104, .	3.2	15
12	Thermal Hall conductivity in the cuprate Mott insulators Nd2CuO4 and Sr2CuO2Cl2. Nature Communications, 2020, 11, 5325.	12.8	42
13	Chiral phonons in the pseudogap phase of cuprates. Nature Physics, 2020, 16, 1108-1111.	16.7	95
14	High density of states in the pseudogap phase of the cuprate superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>HgBa</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> from low-temperature normal-state specific heat. Physical Review B, 2020, 102, .	3.2	5
15	Field-angle dependence of sound velocity in the Weyl semimetal TaAs. Physical Review B, 2020, 102, .	3.2	9
16	The 2021 quantum materials roadmap. JPhys Materials, 2020, 3, 042006.	4.2	111
17	Materials preparation, single-crystal growth, and the phase diagram of the cuprate high-temperature superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">La</mml:mi><mml:mrow><mml:mn>1.6</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">Nd</mml:mi><mml:mrow><mml:mn>0.4</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Cu</mml:mi></mml:msub></mml:mrow></mml:math>. Physical Review Mat...	3.1	12
18	Giant thermal Hall conductivity in the pseudogap phase of cuprate superconductors. Nature, 2019, 571, 376-380.	27.8	105

#	Article	IF	Citations
19	Thermodynamic signatures of quantum criticality in cuprate superconductors. Nature, 2019, 567, 218-222.	27.8	120
20	Thermal Conductivity of the Quantum Spin Liquid Candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>EtMe</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:mo>[</mml:mo><mml:msub><mml:mrow><mml:mi>Pd</mml:mi><mml:mo mathvariant="bold" stretchy="false">(</mml:mo><mml:mi>dmit</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mo mathvariant="bold" stretchy="false">) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 687 T	8.9	39
21	The Remarkable Underlying Ground States of Cuprate Superconductors. Annual Review of Condensed Matter Physics, 2019, 10, 409-429.	14.5	196
22	Universal T-linear resistivity and Planckian dissipation in overdoped cuprates. Nature Physics, 2019, 15, 142-147.	16.7	197
23	Pseudogap temperature <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>T</mml:mi><mml:mo>*</mml:mo></mml:msup></mml:math> of cuprate superconductors from the Nernst effect. Physical Review B, 2018, 97, .	3.2	89
24	Wiedemann-Franz Law and Abrupt Change in Conductivity across the Pseudogap Critical Point of a Cuprate Superconductor. Physical Review X, 2018, 8, .	8.9	16
25	Unusual Interplay between Superconductivity and Field-Induced Charge Order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>YBa</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi>Cu</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi>O</mml:mi></mml:mrow><mml:mrow><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review X, 2020, 10, .	12.8	82
26	Sensitivity of <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> to pressure and magnetic field in the cuprate superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mi>y</mml:mi></mml:msub></mml:mrow></mml:math>.	3.2	32
27	Field-dependent heat transport in the Kondo insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SmB</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math> : Phonons scattered by magnetic impurities. Physical Review B, 2018, 97, .	3.2	26
28	Anisotropy of the Seebeck Coefficient in the Cuprate Superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>YBa</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi>Cu</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review X, 2017, 7, .	8.9	18
29	Pseudogap phase of cuprate superconductors confined by Fermi surface topology. Nature Communications, 2017, 8, 2044.	12.8	60
30	Vertical Line Nodes in the Superconducting Gap Structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi>Ru</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review X, 2017, 7, .	8.9	82
31	Fermi-surface transformation across the pseudogap critical point of the cuprate superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>1.6</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review B, 2017, 95, .	3.2	78
32	Thermal Conductivity of the Iron-Based Superconductor FeSe: Nodeless Gap with a Strong Two-Band Character. Physical Review Letters, 2016, 117, 097003.	7.8	47
33	Wiedemann-Franz law in the underdoped cuprate superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mi>y</mml:mi></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	3.2	29
34	Heat transport study of field-tuned quantum criticality inCeIrIn5. Physical Review B, 2016, 93, .	3.2	4
35	Expansion of the tetragonal magnetic phase with pressure in the iron arsenide superconductorBa1âˆ'xKxFe2As2. Physical Review B, 2016, 93, .	3.2	19
36	Quantum Critical Quasiparticle Scattering within the Superconducting State of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CeCoIn</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2016, 117, 016601.	7.8	7

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37	Doping evolution of the superconducting gap structure in the underdoped iron arsenide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mrow><mml:mn>1</mml:mn> mathvariant="normal">K</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn></ by thermal conductiv. Physical Review B, 2016, 93, .	3.2	15
38	Critical Doping for the Onset of Fermi-Surface Reconstruction by Charge-Density-Wave Order in the Cuprate Superconductor<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>2</mml:mn><mm Physical Review X, 2016, 6, .	8.9	28
39	Change of carrier density at the pseudogap critical point of a cuprate superconductor. Nature, 2016, 531, 210-214.	27.8	296
40	Two types of nematicity in the phase diagram of the cuprate superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></ mathvariant="normal">O</mml:mi><mml:mi>y</mml:mi></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	3.2	73
41	Evidence for a small hole pocket in the Fermi surface of underdoped YBa2Cu3Oy. Nature Communications, 2015, 6, 6034.	12.8	60
42	Universal V-shaped temperature-pressure phase diagram in the iron-based superconductors<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>KFe</mml:mtext><mml:mn>2</mml:mn> and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathM. Physical Review B, 2015, 91, .	3.2	39
43	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">Pr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi> mathvariant="normal">Ce</mml:mi></mml:mrow><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">CuO</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:math>: Superconducting fluctuatio. Physical Review B, 2014, 90, .	3.2	40
44	Interplane resistivity of underdoped single crystals (Ba<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 487 Td (xmlns:mml="http://ww	3.2	22
45	Sudden reversal in the pressure dependence of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow>K</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:ma the iron-based superconductor CsFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></	3.2	36
46	Direct measurement of the upper critical field in cuprate superconductors. Nature Communications, 2014, 5, 3280.	12.8	171
47	Wiedemann-Franz law and nonvanishing temperature scale across the field-tuned quantum critical point of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mtext>YbRh</mml:mtext></mml:mrow> xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mtext>Si</mml:mtext></mml:mrow> Physical Review B, 2014, 89, .	3.2	16
48	Hall, Seebeck, and Nernst Coefficients of Underdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>HgBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>CuO</mml:mi><mml:mr Fermi-Surface Reconstruction in an Archetypal Cuprate Superconductor. Physical Review X, 2013, 3, .	8.9	62
49	Superconductivity in the noncentrosymmetric half-Heusler compound LuPtBi: A candidate for topological superconductivity. Physical Review B, 2013, 87, .	3.2	135
50	Sudden reversal in the pressure dependence of Tc in the iron-based superconductor KFe2As2. Nature Physics, 2013, 9, 349-352.	16.7	119
51	Fermi-surface reconstruction in the iron-arsenide superconductor Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>K<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>Fe<mml:math	3.2	54
52	Universal Heat Conduction in the Iron Arsenide Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>KFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>As</mml:mi><mml:m Evidence of a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>-Wave State. Physical Review Letters, 2012, 109, 087001.	7.8	155
53	Decrease of upper critical field with underdoping in cuprate superconductors. Nature Physics, 2012, 8, 751-756.	16.7	77
54	Quantum critical point for stripe order: An organizing principle of cuprate superconductivity. Physica C: Superconductivity and Its Applications, 2012, 481, 161-167.	1.2	24

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55	underdoped YBa<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Cu<mml:math	3.2	46
56	From d-wave to s-wave pairing in the iron-pnictide superconductor (Ba,K)Fe₂As₂. Superconductor Science and Technology, 2012, 25, 084013.	3.5	50
57	Fermi-surface reconstruction by stripe order in cuprate superconductors. Nature Communications, 2011, 2, 432.	12.8	149
58	The metallic transport of (TMTSF)₂X organic conductors close to the superconducting phase. Journal of Physics Condensed Matter, 2011, 23, 345702.	1.8	12
59	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">YBa</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">Cu</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>from	3.2	189
60	Isotropic three-dimensional gap in the iron arsenide superconductor LiFeAs from directional heat transport measurements. Physical Review B, 2011, 84, .	3.2	35
61	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:mrow></mml:msub></mml:mrow></mml:math>Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	3.2	30
62	Linear-T scattering and pairing from antiferromagnetic fluctuations in the (TMTSF)2X organic superconductors. European Physical Journal B, 2010, 78, 23-36.	1.5	19
63	Zooming on the quantum critical point in Nd-LSCO. Physica C: Superconductivity and Its Applications, 2010, 470, S12-S13.	1.2	11
64	Broken rotational symmetry in the pseudogap phase of a high-Tc superconductor. Nature, 2010, 463, 519-522.	27.8	487
65	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Cu</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>6.67</mml:mn></mml:msub></mml:math>: A Study of Fermi	7.8	118
66	Doping Dependence of Heat Transport in the Iron-Arsenide Superconductor<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:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â’	7.8	137
	Physical Review Letters, 2010, 104, 067002.		
67	Universal heat conduction and nodal gap structure of the heavy-fermion superconductorCeIrIn5. Physical Review B, 2010, 82, .	3.2	11
68	Nodes in the gap structure of the iron arsenide superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Ba</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo> Physical Review B, 2010, 82, .	3.2	143
69	Scattering and Pairing in Cuprate Superconductors. Annual Review of Condensed Matter Physics, 2010, 1, 51-70.	14.5	277
70	Reply to â€œComment on â€˜Low-temperature phonon thermal conductivity of single-crystallineNd2CuO4: Effects of sample size and surface roughnessâ€™â€•â€. Physical Review B, 2009, 79, .	3.2	1
71	Quasiparticle heat transport in single-crystalline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ba</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2009, 80, .	3.2	104
72	Multiple Quantum Oscillations in the de Haasâ€“van Alphen Spectra of the Underdoped High-Temperature Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Cu</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>6.5</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2009, 103, 157003.	7.8	84

#	Article	IF	Citations
73	Heat transport as a probe of superconducting gap structure. New Journal of Physics, 2009, 11, 055065.	2.9	79
74	Fermi surface reconstruction in high-T_csuperconductors. Journal of Physics Condensed Matter, 2009, 21, 164212.	1.8	78
75	Enhancement of the Nernst effect by stripe order in a high-Tc superconductor. Nature, 2009, 458, 743-745.	27.8	123
76	Linear temperature dependence of resistivity and change in the Fermi surface at the pseudogap critical point ofÂaÂhigh-Tc superconductor. Nature Physics, 2009, 5, 31-34.	16.7	185
77	Correlation between linear resistivity and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:mrow></mml:math>in the Bechgaard salts and the pnictide superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

#	Article	IF	Citations
91	Electron pockets in the Fermi surface of hole-doped high-Tc superconductors. Nature, 2007, 450, 533-536.	27.8	443
92	Thermal Conductivity in the Vicinity of the Quantum Critical End Point inSr3Ru2O7. Physical Review Letters, 2006, 97, 067005.	7.8	27
93	Nonvanishing Energy Scales at the Quantum Critical Point ofCeCoIn5. Physical Review Letters, 2006, 97, 106606.	7.8	86
94	Onset of a Boson Mode at the Superconducting Critical Point of UnderdopedYBa2Cu3Oy. Physical Review Letters, 2006, 97, 207001.	7.8	37
95	Origin of anomalous low-temperature downturns in the thermal conductivity of cuprates. Physical Review B, 2005, 71, .	3.2	51
96	Ballistic Magnon Transport and Phonon Scattering in the AntiferromagnetNd2CuO4. Physical Review Letters, 2005, 95, 156603.	7.8	38
97	Heat Transport as a Probe of Electron Scattering by Spin Fluctuations: The Case of AntiferromagneticCeRhIn5. Physical Review Letters, 2005, 94, 216602.	7.8	43
98	Delocalized Fermions in Underdoped Cuprate Superconductors. Physical Review Letters, 2005, 94, 147004.	7.8	61
99	Unpaired Electrons in the Heavy-Fermion SuperconductorCeCoIn5. Physical Review Letters, 2005, 95, 067002.	7.8	94
100	Transport in UltracleanYBa2Cu3O7: Neither Unitary nor Born Impurity Scattering. Physical Review Letters, 2004, 92, 027001.	7.8	41
101	Fermi-liquid breakdown in the paramagnetic phase of a pure metal. Nature, 2003, 425, 595-599.	27.8	169
102	Heat Conduction in the Vortex State ofNbSe2: Evidence for Multiband Superconductivity. Physical Review Letters, 2003, 90, 117003.	7.8	210
103	Field-Induced Quantum Critical Point inCeCoIn5. Physical Review Letters, 2003, 91, 246405.	7.8	314
104	Field-Induced Thermal Metal-to-Insulator Transition in UnderdopedLa2â^'xSrxCuO4+Î´. Physical Review Letters, 2003, 90, 197004.	7.8	43
105	Thermal conductivity across the phase diagram of cuprates: Low-energy quasiparticles and doping dependence of the superconducting gap. Physical Review B, 2003, 67, .	3.2	208
106	The superconducting phases ofUPt3. Reviews of Modern Physics, 2002, 74, 235-294.	45.6	409
107	Heat Transport in a Strongly Overdoped Cuprate: Fermi Liquid and a Pured-Wave BCS Superconductor. Physical Review Letters, 2002, 89, 147003.	7.8	204
108	Elastic tensor ofSr2RuO4. Physical Review B, 2002, 65, .	3.2	38

#	Article	IF	Citations
109	Neutron scattering search for static magnetism in oxygen-orderedYBa2Cu3O6.5. Physical Review B, 2002, 66, .	3.2	41
110	Breakdown of Fermi-liquid theory in a copper-oxide superconductor. Nature, 2001, 414, 711-715.	27.8	163
111	Ultrasound Attenuation in Sr2RuO4: An Angle-Resolved Study of the Superconducting Gap Function. Physical Review Letters, 2001, 86, 5986-5989.	7.8	132
112	Highly Anisotropic Gap Function in Borocarbide SuperconductorLuNi2B2C. Physical Review Letters, 2001, 87, 237001.	7.8	92
113	Low-energy quasiparticles in cuprate superconductors: A quantitative analysis. Physical Review B, 2000, 62, 3554-3558.	3.2	182
114	Determining the Wiedemann-Franz Ratio from the Thermal Hall Conductivity: Application to Cu andYBa2Cu3O6.95. Physical Review Letters, 2000, 84, 2219-2222.	7.8	106
115	Oscillatory Melting Temperature of the Vortex Smectic Phase in Layered Superconductors. Physical Review Letters, 2000, 85, 4594-4597.	7.8	55
116	Onset of Plasticity and Hardening of the Hysteretic Response in the Vortex System ofYBa2Cu3O7â^'Î´. Physical Review Letters, 1999, 82, 5116-5119.	7.8	101
117	Quasiparticle Transport in the Vortex State ofYBa2Cu3O6.9. Physical Review Letters, 1999, 82, 2943-2946.	7.8	104
118	Quasiparticle Thermal Hall Angle and Magnetoconductance inYBa2Cu3Ox. Physical Review Letters, 1999, 82, 5108-5111.	7.8	47
119	Angular Position of Nodes in the Superconducting Gap of YBCO. Physical Review Letters, 1997, 78, 2624-2627.	7.8	119
120	New Features in the Vortex Phase Diagram ofYBa2Cu3O7â^'Î´. Physical Review Letters, 1997, 79, 2121-2124.	7.8	164
121	Anisotropy of Heat Conduction inYBa2Cu3O6.9: A Probe of Chain Superconductivity. Physical Review Letters, 1997, 78, 1976-1979.	7.8	60
122	Universal Heat Conduction inYBa2Cu3O6.9. Physical Review Letters, 1997, 79, 483-486.	7.8	200
123	Current-induced organization of vortex motion in type-II superconductors. Nature, 1997, 385, 324-326.	27.8	66
124	Vortex Pinning by Competing Disorder: Bose-Glass to Vortex-Glass Crossover. Physical Review Letters, 1996, 76, 2559-2562.	7.8	47
125	Determination of the gap structure inUPt3by thermal conductivity. Physical Review B, 1996, 53, 5145-5148.	3.2	73
126	Washboard Frequency of the Moving Vortex Lattice in YBa2Cu3O6.93Detected by ac-dc Interference. Physical Review Letters, 1995, 74, 3684-3687.	7.8	55

#	Article	IF	Citations
127	Vortex channeling along twin planes inYBa2Cu3O7âˆ’x. Physical Review B, 1995, 51, 1389-1392.	3.2	98
128	Anisotropy of Heat Conduction in the Heavy Fermion Superconductor UPt3. Physical Review Letters, 1994, 73, 3294-3297.	7.8	69
129	Lock-in oscillations in magnetic hysteresis curves ofYBa2Cu3O7âˆ’xsingle crystals. Physical Review Letters, 1994, 72, 3606-3609.	7.8	71
130	Andreev reflections on heavy-fermion superconductors. Physical Review Letters, 1994, 72, 2278-2281.	7.8	77
131	T2dependence of the resistivity in the Cu-O chains ofYBa2Cu3O6.9. Physical Review B, 1994, 50, 3458-3461.	3.2	116
132	Anisotropy of point-contact spectra in the heavy-fermion superconductorUPt3. Physical Review Letters, 1993, 70, 2008-2011.	7.8	91
133	Superconductivity and the incommensurate structural modulation in the heavy fermionUPt3. Physical Review Letters, 1993, 70, 678-681.	7.8	75
134	Muon spin relaxation inUPt3. Physical Review Letters, 1993, 71, 1466-1469.	7.8	215
135	Antiferromagnetic order inUPt3under pressure: Evidence for a direct coupling to superconductivity. Physical Review B, 1992, 46, 8675-8678.	3.2	158
136	Normal and superconducting phases of heavy fermions. Physica B: Condensed Matter, 1991, 169, 257-270.	2.7	84
137	Thermal conductivity of superconducting UPt3. Journal of Low Temperature Physics, 1991, 84, 261-278.	1.4	44
138	Pressure dependence of the superconducting phases inUPt3. Physical Review B, 1991, 43, 13714-13716.	3.2	112
139	Superconducting phase diagram of UPt3 studied by thermal expansion and specific heat. Journal of Low Temperature Physics, 1990, 81, 299-315.	1.4	50
140	Phase diagram ofUPt3from ultrasonic velocity measurements. Physical Review Letters, 1990, 65, 2298-2301.	7.8	269
141	Critical point in the superconducting phase diagram ofUPt3. Physical Review Letters, 1989, 63, 93-96.	7.8	252
142	Heavy-fermion quasiparticles inUPt3. Physical Review Letters, 1988, 60, 1570-1573.	7.8	206
143	Effect of spin fluctuations on the magnetic equation of state of ferromagnetic or nearly ferromagnetic metals. Journal of Physics C: Solid State Physics, 1985, 18, 4339-4371.	1.5	403