

# Philippe Bourges

## List of Publications by Year in descending order

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56  
papers

4,665  
citations

109321

35  
h-index

149698

56  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3027  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Liquid Crystal State in the High-Temperature Superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{6.45}$ . <i>Science</i> , 2008, 319, 597-600.	12.6	447
2	Magnetic Order in the Pseudogap Phase of High-Tc Superconductors. <i>Physical Review Letters</i> , 2006, 96, 197001.	7.8	435
3	Neutron scattering from magnetic excitations in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8+\delta$ . <i>Nature</i> , 1999, 398, 588-591.	27.8	356
4	Unusual magnetic order in the pseudogap region of the superconductor $\text{HgBa}_2\text{CuO}_4+\delta$ . <i>Nature</i> , 2008, 455, 372-375.	27.8	260
5	The Spin Excitation Spectrum in Superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{6.85}$ . <i>Science</i> , 2000, 288, 1234-1237.	12.6	226
6	Spin dynamics in the pseudogap state of a high-temperature superconductor. <i>Nature Physics</i> , 2007, 3, 780-785.	16.7	201
7	Spin susceptibility in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ . <i>Physical Review B</i> , 2000, 61, 14773-14786.	3.2	182
8	Resonant Spin Excitation in an Overdoped High Temperature Superconductor. <i>Physical Review Letters</i> , 2001, 86, 1610-1613.	7.8	160
9	Magnetic Ordering and Spin Waves in $\text{Na}_{0.82}\text{CoO}_2$ . <i>Physical Review Letters</i> , 2005, 94, 157205.	7.8	151
10	Neutron scattering study of the magnetic phase diagram of underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ . <i>New Journal of Physics</i> , 2010, 12, 105006.	2.9	149
11	Observation of magnetic order in a superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{6.85}$ crystal using polarized neutron scattering. <i>Physical Review B</i> , 2008, 78, .	3.2	124
12	Elastic Softness of Hybrid Lead Halide Perovskites. <i>Physical Review Letters</i> , 2018, 121, 085502.	7.8	116
13	Hidden magnetic excitation in the pseudogap phase of a high-Tc superconductor. <i>Nature</i> , 2010, 468, 283-285.	27.8	110
14	Antiferromagnetic Ordering in Superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{6.5}$ . <i>Physical Review Letters</i> , 2001, 86, 4100-4103.	7.8	109
15	Resonant Magnetic Excitations at High Energy in Superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{6.85}$ . <i>Physical Review Letters</i> , 2004, 93, 167001.	7.8	103
16	Magnetic-Field-Enhanced Incommensurate Magnetic Order in the Underdoped High-Temperature Superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{6.45}$ . <i>Physical Review Letters</i> , 2009, 103, 017001.	7.8	98
17	Elastic Constants, Optical Phonons, and Molecular Relaxations in the High Temperature Plastic Phase of the $\text{CH}_3\text{NH}_3\text{PbBr}_3$ Hybrid Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3776-3784.	4.6	89
18	Novel magnetic order in the pseudogap state of high- $T_c$ copper oxides superconductors. <i>Comptes Rendus Physique</i> , 2011, 12, 461-479.	0.9	86

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19	Spin dynamics in the high-T <sub>c</sub> system YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> . <i>Physica B: Condensed Matter</i> , 1992, 180-181, 383-388.	2.7	82
20	Magnetic order in the pseudogap phase of HgBa <sub>2</sub> CuO <sub>4+δ</sub> studied by spin-polarized neutron diffraction. <i>Physical Review B</i> , 2011, 84, .	3.2	64
21	Crystal Growth and Characterization of the Model High-Temperature Superconductor HgBa <sub>2</sub> CuO <sub>4+δ</sub> . <i>Advanced Materials</i> , 2006, 18, 3243-3247.	21.0	61
22	Two-Dimensional Orbital-Like Magnetic Order in the High-Temperature Superconductor La <sub>2-x</sub> F <sub>2x-2</sub> O <sub>8</sub> . <i>Physical Review Letters</i> , 2010, 105, 027004.	7.8	61
23	Intra-unit-cell magnetic correlations near optimal doping in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.85</sub> . <i>Nature Communications</i> , 2015, 6, 7705.	12.8	60
24	Commensurate antiferromagnetic excitations as a signature of the pseudogap in the tetragonal high-T <sub>c</sub> cuprate HgBa <sub>2</sub> CuO <sub>4+δ</sub> . <i>Nature Communications</i> , 2016, 7, 10819.	12.8	55
25	Time-reversal symmetry breaking hidden order in Sr <sub>2</sub> (Ir,Rh)O <sub>4</sub> . <i>Nature Communications</i> , 2017, 8, 15119.	12.8	54
26	Temperature-Dependent Interplay of Dzyaloshinskii-Moriya Interaction and Single-Ion Anisotropy in Multiferroic BiFeO <sub>3</sub> . <i>Physical Review Letters</i> , 2014, 113, 107202.	7.8	53
27	Evidence for competing magnetic instabilities in underdoped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> . <i>Physical Review B</i> , 2011, 83, .	3.2	49
28	Direct evidence of weakly dispersed and strongly anharmonic optical phonons in hybrid perovskites. <i>Communications Physics</i> , 2020, 3, .	5.3	49
29	Electron-phonon coupling in the charge density wave state of CsV <sub>3</sub> Sb <sub>5</sub> . <i>Physical Review B</i> , 2022, 105, .	3.2	48
30	Incommensurate Magnetic Order and Dynamics Induced by Spinless Impurities in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.6</sub> . <i>Physical Review Letters</i> , 2010, 105, 037207.	3.2	47
31	Evidence for intra-unit-cell magnetic order in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> . <i>Physical Review B</i> , 2007, 76, .	3.2	46
32	Odd and even magnetic resonant modes in highly overdoped Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> . <i>Physical Review B</i> , 2007, 75, .	3.2	46
33	Characterization of the intra-unit-cell magnetic order in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> . <i>Physical Review B</i> , 2007, 76, .	3.2	44
34	Characterization of the intra-unit-cell magnetic order in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> . <i>Physical Review B</i> , 2007, 76, .	3.2	40
35	Prominent Role of Spin-Orbit Coupling in FeSe Revealed by Inelastic Neutron Scattering. <i>Physical Review X</i> , 2017, 7, .	8.9	40
36	Magnetic resonance in the model high-temperature superconductor HgBa <sub>2</sub> CuO <sub>4+δ</sub> . <i>Physical Review B</i> , 2010, 81, .	3.2	33

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37	<p>Anisotropy of the Intra-Unit-Cell Magnetic Order in <math>\text{YBa}_2\text{Cu}_3\text{O}_{7-x}</math>. Physical Review Letters, 2017, 118, 097003.</p>	7.8	32
38	<p>Incommensurate composite structure of the superconductor <math>\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}</math>. Physical Review B, 2000, 62, 150-153.</p>	3.2	31
39	<p>Evidence for Intra-Unit-Cell magnetic order in the pseudo-gap state of high-<math>T_c</math> cuprates. Journal of Physics: Conference Series, 2013, 449, 012012.</p>	0.4	31
40	<p>Two Ising-like magnetic excitations in a single-layer cuprate superconductor. Nature Physics, 2012, 8, 404-410.</p>	16.7	28
41	<p>Hourglass Dispersion and Resonance of Magnetic Excitations in the Superconducting State of the Single-Layer Cuprate <math>\text{HgBa}_2\text{CuO}_4</math>. Physical Review Letters, 2016, 117, 277002.</p>	7.8	26
42	<p>Inelastic neutron scattering study of spin excitations in the superconducting state of high temperature superconductors. Comptes Rendus Physique, 2007, 8, 745-762.</p>	0.9	25
43	<p>Heavy Nondegenerate Electrons in Doped Strontium Titanate. Physical Review X, 2020, 10, . Orientation of the intra-unit-cell magnetic moment in the high-<math>T_c</math> superconductor <math>\text{HgBa}_2\text{CuO}_4</math>. Physical Review B, 2018, 98, .</p>	8.9	24
44	<p>Comment on "No evidence for orbital loop currents in charge-ordered <math>\text{YBa}_2\text{Cu}_3\text{O}_{6+x}</math> from polarized neutron diffraction". Physical Review B, 2018, 98, .</p>		20
45	<p>Comment on "No evidence for orbital loop currents in charge-ordered <math>\text{YBa}_2\text{Cu}_3\text{O}_{6+x}</math> from polarized neutron diffraction". Physical Review B, 2018, 98, .</p>	3.2	19
46	<p>Low-energy spin dynamics of orthoferrites <math>\text{AFeO}_3</math> (<math>\text{A} = \text{Y, La, Bi}</math>). Journal of Physics Condensed Matter, 2018, 30, 235802.</p>	1.8	18
47	<p>Loop currents in quantum matter. Comptes Rendus Physique, 2021, 22, 7-31.</p>	0.9	14
48	<p>Search for the existence of circulating currents in high-<math>T_c</math> superconductors using the polarized neutron scattering technique. Physica B: Condensed Matter, 2007, 397, 1-6.</p>	2.7	13
49	<p>Loop currents in two-leg ladder cuprates. Communications Physics, 2020, 3, .</p>	5.3	10
50	<p>Magnetization Density Distribution of <math>\text{Sr}_2\text{IrO}_4</math>: Deviation from a Local <math>J_{\text{eff}}=1/2</math> Picture. Physical Review Letters, 2020, 125, 097202.</p>	7.8	10
51	<p>Preferred Spin Excitations in the Bilayer Iron-Based Superconductor <math>\text{CaKFe}_2\text{As}_2</math>. Physical Review Letters, 2022, 128, 137003.</p>	7.8	7
52	<p>Pretransitional dynamics of the structural phase transition in anthracene-TCNB: A comparison of Raman-scattering and inelastic-neutron-scattering experiments. Physical Review B, 1996, 54, 15002-15015.</p>	3.2	6
53	<p>Investigations for the growth of large underdoped <math>\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}</math> single crystals. Journal of Crystal Growth, 2010, 312, 466-470.</p>	1.5	6
54	<p>Pseudospin-phonon pretransitional dynamics in lead halide hybrid perovskites. Physical Review B, 2022, 105, .</p>	3.2	5

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55	<p>Triplons, magnons, and spinons in a single quantum spin system: <math>\text{SeCuO}_{3-x}</math> Physical Review B, 2021, 103, .</p>	3.2	1
56	<p>Evidence for Intra-Unit Cell Magnetism in Superconducting Cuprates: a Technical Assessment. Journal of Physics: Conference Series, 2019, 1316, 012003.</p>	0.4	2