

Philippe Bourges

List of Publications by Year in descending order

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56
papers

4,665
citations

109321

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all docs

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docs citations

57
times ranked

3027
citing authors

#	ARTICLE	IF	CITATIONS
1	Pseudospin-phonon pretransitional dynamics in lead halide hybrid perovskites. Physical Review B, 2022, 105, . Preferred Spin Excitations in the Bilayer Iron-Based Superconductor CaKFeAs_2	3.2	5
2	Electron-phonon coupling in the charge density wave state of CsV_3Sb_5	7.8	0.96
3	Letters, 2022, 128, 137003. Electron-phonon coupling in the charge density wave state of CsV_3Sb_5	3.2	18
4	Loop currents in quantum matter. Comptes Rendus Physique, 2021, 22, 7-31.	0.9	14
5	Triplons, magnons, and spinons in a single quantum spin system: SeCuO_3	3.2	18
6	Loop currents in two-leg ladder cuprates. Communications Physics, 2020, 3, .	5.3	10
7	Heavy Nondegenerate Electrons in Doped Strontium Titanate. Physical Review X, 2020, 10, .	8.9	24
8	Magnetization Density Distribution of Sr_2IrO_4 : Deviation from a Local $j=1/2$ Picture. Physical Review Letters, 2020, 125, 097202.	7.8	10
9	Direct evidence of weakly dispersed and strongly anharmonic optical phonons in hybrid perovskites. Communications Physics, 2020, 3, .	5.3	49
10	Evidence for Intra-Unit Cell Magnetism in Superconducting Cuprates: a Technical Assessment. Journal of Physics: Conference Series, 2019, 1316, 012003.	0.4	2
11	Orientation of the Intra-Unit Cell Magnetic Moment in the High- T_c Superconductor $\text{HgBa}_2\text{CuO}_4$	3.2	19
12	Low-energy spin dynamics of orthoferrites AFeO_3 ($\text{A} = \text{Y, La, Bi}$). Journal of Physics: Condensed Matter, 2018, 30, 235802.	1.8	18
13	Comment on "No evidence for orbital loop currents in charge-ordered $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ from polarized neutron diffraction". Physical Review B, 2018, 98, .	3.2	19
14	Elastic Softness of Hybrid Lead Halide Perovskites. Physical Review Letters, 2018, 121, 085502.	7.8	116
15	Anisotropy of the Intra-Unit-Cell Magnetic Order in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$	7.8	32
16	Time-reversal symmetry breaking hidden order in $\text{Sr}_2(\text{Ir,Rh})\text{O}_4$. Nature Communications, 2017, 8, 15119.	12.8	54
17	Prominent Role of Spin-Orbit Coupling in FeSe Revealed by Inelastic Neutron Scattering. Physical Review X, 2017, 7, .	8.9	40
18	Commensurate antiferromagnetic excitations as a signature of the pseudogap in the tetragonal high- T_c cuprate $\text{HgBa}_2\text{CuO}_4$	12.8	55

#	ARTICLE	IF	CITATIONS
19	Hourglass Dispersion and Resonance of Magnetic Excitations in the Superconducting State of the Single-Layer Cuprate $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{HgBa} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2$ Near O. Physical Review Letters, 2016, 117, 277002.	7.8	26
20	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. Journal of Physical Chemistry Letters, 2016, 7, 3776-3784.	4.6	89
21	Intra-unit-cell magnetic correlations near optimal doping in $\text{YBa}_2\text{Cu}_3\text{O}_{6.85}$. Nature Communications, 2015, 6, 7705.	12.8	60
22	Characterization of the intra-unit-cell magnetic order in $\text{BiSr}_2\text{CaCu}_2\text{O}_{8-x}$. Physical Review Letters, 2014, 113, 107202.	3.2	40
23	Temperature-Dependent Interplay of Dzyaloshinskii-Moriya Interaction and Single-Ion Anisotropy in Multiferroic BiFeO_3 . Physical Review Letters, 2014, 113, 107202.	7.8	53
24	Evidence for Intra-Unit-Cell magnetic order in the pseudo-gap state of high-T _c cuprates. Journal of Physics: Conference Series, 2013, 449, 012012.	0.4	31
25	Evidence for Intra-Unit-Cell magnetic order in $\text{BiSr}_2\text{CaCu}_2\text{O}_{8-x}$. Physical Review Letters, 2014, 113, 107202.	3.2	44
26	Two Ising-like magnetic excitations in a single-layer cuprate superconductor. Nature Physics, 2012, 8, 404-410.	16.7	28
27	Evidence for competing magnetic instabilities in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. Physical Review B, 2011, 83, .	3.2	49
28	Novel magnetic order in the pseudogap state of high-T _c copper oxides superconductors. Comptes Rendus Physique, 2011, 12, 461-479.	0.9	86
29	Novel magnetic order in the pseudogap state of high-T _c copper oxides superconductors. Physical Review B, 2011, 84, .	3.2	64
30	Investigations for the growth of large underdoped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ single crystals. Journal of Crystal Growth, 2010, 312, 466-470.	1.5	6
31	Hidden magnetic excitation in the pseudogap phase of a high-T _c superconductor. Nature, 2010, 468, 283-285.	27.8	110
32	Incommensurate Magnetic Order and Dynamics Induced by Spinless Impurities in $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$. Physical Review Letters, 2010, 105, 037207.	7.8	61
33	Two-Dimensional Orbital-Like Magnetic Order in the High-Temperature Superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{6.45}$. Physical Review Letters, 2009, 103, 017001.	2.9	149
34	Neutron scattering study of the magnetic phase diagram of underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6-x}$. New Journal of Physics, 2010, 12, 105006.	3.2	33
35	Magnetic resonance in the model high-temperature superconductor $\text{HgBa}_2\text{CuO}_4$. Physical Review B, 2010, 81, .		
36	Magnetic-Field-Enhanced Incommensurate Magnetic Order in the Underdoped High-Temperature Superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{6.45}$. Physical Review Letters, 2009, 103, 017001.		

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37	Unusual magnetic order in the pseudogap region of the superconductor HgBa ₂ CuO ₄ + δ . Nature, 2008, 455, 372-375.	27.8	260
38	Electronic Liquid Crystal State in the High-Temperature Superconductor YBa ₂ Cu ₃ O _{6.45} . Science, 2008, 319, 597-600.	12.6	447
39	Observation of magnetic order in a superconducting $YBa_2Cu_3O_{7-x}$. Dispersion of the odd magnetic resonant mode in near-optimally doped $YBa_2Cu_3O_{7-x}$. Physical Review Letters, 2007, 99, 077201.	3.2	124
40	Dispersion of the odd magnetic resonant mode in near-optimally doped $YBa_2Cu_3O_{7-x}$. Physical Review Letters, 2007, 99, 077201.	3.2	46
41	Odd and even magnetic resonant modes in highly overdoped Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ . Physical Review B, 2007, 76, .	3.2	46
42	Inelastic neutron scattering study of spin excitations in the superconducting state of high temperature superconductors. Comptes Rendus Physique, 2007, 8, 745-762.	0.9	25
43	Search for the existence of circulating currents in high- superconductors using the polarized neutron scattering technique. Physica B: Condensed Matter, 2007, 397, 1-6.	2.7	13
44	Spin dynamics in the pseudogap state of a high-temperature superconductor. Nature Physics, 2007, 3, 780-785.	16.7	201
45	Magnetic Order in the Pseudogap Phase of High-TCSuperconductors. Physical Review Letters, 2006, 96, 197001.	7.8	435
46	Crystal Growth and Characterization of the Model High-Temperature Superconductor HgBa ₂ CuO ₄ + δ . Advanced Materials, 2006, 18, 3243-3247.	21.0	61
47	Magnetic Ordering and Spin Waves in Na _{0.82} CoO ₂ . Physical Review Letters, 2005, 94, 157205.	7.8	151
48	Resonant Magnetic Excitations at High Energy in Superconducting YBa ₂ Cu ₃ O _{6.85} . Physical Review Letters, 2004, 93, 167001.	7.8	103
49	Antiferromagnetic Ordering in Superconducting YBa ₂ Cu ₃ O _{6.5} . Physical Review Letters, 2001, 86, 4100-4103.	7.8	109
50	Resonant Spin Excitation in an Overdoped High Temperature Superconductor. Physical Review Letters, 2001, 86, 1610-1613.	7.8	160
51	Spin susceptibility in underdoped YBa ₂ Cu ₃ O _{6+x} . Physical Review B, 2000, 61, 14773-14786.	3.2	182
52	The Spin Excitation Spectrum in Superconducting YBa ₂ Cu ₃ O _{6.85} . Science, 2000, 288, 1234-1237.	12.6	226
53	Incommensurate composite structure of the superconductor Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ . Physical Review B, 2000, 62, 150-153.	3.2	31
54	Neutron scattering from magnetic excitations in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ . Nature, 1999, 398, 588-591.	27.8	356

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55	Pretransitional dynamics of the structural phase transition in anthracene-TCNB: A comparison of Raman-scattering and inelastic-neutron-scattering experiments. <i>Physical Review B</i> , 1996, 54, 15002-15015.	3.2	6
56	Spin dynamics in the high-Tc system YBa ₂ Cu ₃ O _{6+x} . <i>Physica B: Condensed Matter</i> , 1992, 180-181, 383-388.	2.7	82