

Christian Bernhard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7160744/publications.pdf>

Version: 2024-02-01

211
papers

12,262
citations

22099

59
h-index

27345

106
g-index

213
all docs

213
docs citations

213
times ranked

9002
citing authors

#	ARTICLE	IF	CITATIONS
1	Generic superconducting phase behavior in high-T _c cuprates: T _c variation with hole concentration in YBa ₂ Cu ₃ O _{7-δ} . Physical Review B, 1995, 51, 12911-12914.	1.1	604
2	Coexistence of ferromagnetism and superconductivity in the hybrid ruthenate-cuprate compound RuSr ₂ GdCu ₂ O ₈ studied by muon spin rotation and dc magnetization. Physical Review B, 1999, 59, 14099-14107.	1.1	557
3	Electronic Liquid Crystal State in the High-Temperature Superconductor YBa ₂ Cu ₃ O _{6.45} . Science, 2008, 319, 597-600.	6.0	447
4	Dimensionality-Controlled Insulator-Metal Transition and Correlated Metallic State in d -Transition Metal Oxides. Physical Review Letters, 2008, 101, 226402.	2.9	425
5	Magnetism at the interface between ferromagnetic and superconducting oxides. Nature Physics, 2006, 2, 244-248.	6.5	378
6	Common Phase Diagram for Antiferromagnetism in La _{2-x} Sr _x CuO ₄ and Y _{1-x} CaxBa ₂ Cu ₃ O ₆ as Seen by Muon Spin Rotation. Physical Review Letters, 1998, 80, 3843-3846.	2.9	355
7	Dimensionality Control of Electronic Phase Transitions in Nickel-Oxide Superlattices. Science, 2011, 332, 937-940.	6.0	331
8	Coexistence of static magnetism and superconductivity in SmFeAsO _{1-x} F _x as revealed by muon spin rotation. Nature Materials, 2009, 8, 310-314.	13.3	263
9	Soft-mode hardening in SrTiO ₃ thin films. Nature, 2000, 404, 373-376.	13.7	252
10	Antiferromagnetic ordering of Ru and Gd in superconducting RuSr ₂ GdCu ₂ O ₈ . Physical Review B, 2000, 61, R14964-R14967.	1.1	251
11	Direct measurement of the electronic spin diffusion length in a fully functional organic spin valve by low-energy muon spin rotation. Nature Materials, 2009, 8, 109-114.	13.3	251
12	Effect of graphene oxide doping on superconducting properties of bulk MgB ₂ . Superconductor Science and Technology, 2013, 26, 095008.	1.8	249
13	Muon spin rotation study of the correlation between T _c and n _s /m* in overdoped Tl ₂ Ba ₂ CuO _{6+δ} . Physical Review Letters, 1993, 71, 1764-1767.	2.9	241
14	Two-dimensional geometry of spin excitations in the high-transition-temperature superconductor YBa ₂ Cu ₃ O _{6+x} . Nature, 2004, 430, 650-654.	13.7	208
15	Coexisting ferromagnetism and superconductivity in hybrid rutheno-cuprate superconductors. IEEE Transactions on Applied Superconductivity, 1999, 9, 1696-1699.	1.1	201
16	Ultrafast transient generation of spin-density-wave order in the normal state of BaFe ₂ As ₂ driven by coherent lattice vibrations. Nature Materials, 2012, 11, 497-501.	13.3	159
17	Spin-Controlled Mott-Hubbard Bands in LaMnO ₃ Probed by Optical Ellipsometry. Physical Review Letters, 2004, 93, 147204.	2.9	157
18	In-Plane Anisotropy of the Penetration Depth Due to Superconductivity on the Cu-O Chains in YBa ₂ Cu ₃ O _{7-δ} , Y ₂ Ba ₄ Cu ₇ O _{15-δ} , and YBa ₂ Cu ₄ O ₈ . Physical Review Letters, 1995, 74, 1008-1011.	2.9	154

#	ARTICLE	IF	CITATIONS
19	Heat capacity and transport studies of the ferromagnetic superconductor RuSr ₂ GdCu ₂ O ₈ . Physical Review B, 2000, 61, R6471-R6474.	1.1	153
20	Engineering spin propagation across a hybrid organic/inorganic interface using a polar layer. Nature Materials, 2011, 10, 39-44.	13.3	152
21	Strongly bound excitons in anatase TiO ₂ single crystals and nanoparticles. Nature Communications, 2017, 8, 13.	5.8	148
22	Zn-induced Tc Reduction in High-Tc Superconductors: Scattering in the Presence of a Pseudogap. Physical Review Letters, 1997, 79, 5294-5297.	2.9	140
23	Magnetic proximity effect in perovskite superconductor/ferromagnet multilayers. Physical Review B, 2005, 71, .	1.1	136
24	Suppression of the Superconducting Condensate in the High-Tc Cuprates by Zn Substitution and Overdoping: Evidence for an Unconventional Pairing State. Physical Review Letters, 1996, 77, 2304-2307.	2.9	135
25	Magnetoresistance effects in SrFeO ₃ δ: Dependence on phase composition and relation to magnetic and charge order. Physical Review B, 2006, 73, .	1.1	134
26	Superfluid density in cuprate high-Tc superconductors: a new paradigm. Physical Review B, 2003, 68, .	1.1	130
27	Magnetism, Charge Order, and Giant Magnetoresistance in SrFeO ₃ δ Single Crystals. Physical Review Letters, 2004, 92, 037202.	2.9	130
28	Terahertz-driven phonon upconversion in SrTiO ₃ . Nature Physics, 2019, 15, 387-392.	6.5	128
29	Evidence for a bulk Meissner state in the ferromagnetic superconductor RuSr ₂ GdCu ₂ O ₈ from dc magnetization. Physical Review B, 2000, 61, R14960-R14963.	1.1	126
30	Anomalous Peak in the Superconducting Condensate Density of Cuprate High-Tc Superconductors at a Unique Doping State. Physical Review Letters, 2001, 86, 1614-1617.	2.9	125
31	Evidence of a precursor superconducting phase at temperatures as high as 180 ÅK in $R_{1-x}Ba_xFe_2O_{7-\delta}$		

#	ARTICLE	IF	CITATIONS
37	Proximity induced metal-insulator transition in YBa ₂ Cu ₃ O ₇ /La ₂ /3Ca ₁ /3MnO ₃ superlattices. Physical Review B, 2004, 69, .	1.1	106
38	In-Plane Spectral Weight Shift of Charge Carriers in YBa ₂ Cu ₃ O _{6.9} . Science, 2004, 304, 708-710.	6.0	99
39	Giant superconductivity-induced modulation of the ferromagnetic magnetization in a cuprate "manganite superlattice. Nature Materials, 2009, 8, 315-319.	13.3	95
40	Magnetic Proximity Effect in YBa ₂ Cu ₃ O ₇ /La ₂ /3Ca ₁ /3MnO ₃ superlattices. Physical Review Letters, 2012, 108, 197201.	2.9	93
41	Dynamical Response and Confinement of the Electrons at the LaAlO ₃ /SrTiO ₃ interface. Physical Review Letters, 2010, 104, 156807.	2.9	93
42	Temperature-Driven Topological Phase Transition and Intermediate Dirac Semimetal Phase in ZrTe ₅ . Physical Review Letters, 2018, 121, 187401.	2.9	93
43	Phase separation in superoxygenated La _{2-x} Sr _x CuO _{4+y} . Nature Materials, 2006, 5, 377-382.	13.3	86
44	Thermoelectric power of Y _{1-x} CaxBa ₂ Cu ₃ O _{7-δ} : Contributions from CuO ₂ planes and CuO chains. Physical Review B, 1996, 54, 10201-10209.	1.1	85
45	Charge Dynamics of Doped Holes in High-Tc Cuprate Superconductors: A Clue from Optical Conductivity. Physical Review Letters, 2008, 100, 166401.	2.9	83
46	Evidence for multiple superconducting gaps in optimally doped BaFe _{1.87} /m infrared spectroscopy. Physical Review B, 2010, 81, .	1.1	82
47	Orbital Ordering Transition in Ca ₂ RuO ₄ Observed with Resonant X-Ray Diffraction. Physical Review Letters, 2005, 95, 136401.	2.9	78
48	Anomalies of the infrared-active phonons in underdoped YBa ₂ Cu ₃ O _y as evidence for the intra-bilayer Josephson effect. Solid State Communications, 1999, 112, 365-369.	0.9	77
49	Far-infrared ellipsometry using a synchrotron light source "the dielectric response of the cuprate high T _c superconductors. Thin Solid Films, 2004, 455-456, 143-149.	0.8	75
50	Magnetic penetration depth and condensate density of cuprate high-T _c superconductors determined by muon-spin-rotation experiments. Physical Review B, 1995, 52, 10488-10498.	1.1	74
51	Charge Ordering and Magnetopolarons in Na _{0.82} CoO ₂ . Physical Review Letters, 2004, 93, 167003.	2.9	73
52	Imaging the Néel vector switching in the monolayer antiferromagnet MnPSe ₃ with strain-controlled Ising order. Nature Nanotechnology, 2021, 16, 782-787.	15.6	70
53	Muon spin relaxation study of the magnetic penetration depth in MgB ₂ . Physical Review B, 2002, 65, .	1.1	68
54	Coexistence and Competition of Magnetism and Superconductivity on the Nanometer Scale in Underdoped BaFe _{1.89} /m Physical Review Letters, 2010, 105, 057001.	2.9	68

#	ARTICLE	IF	CITATIONS
55	Spatially resolved strain-imprinted magnetic states in an artificial multiferroic. Physical Review B, 2012, 86, .	1.1	68
56	Optical Study of the Free-Carrier Response of LaTiO_3 . Physical Review Letters, 2007, 99, 266801.	2.9	64
57	Importance of Spin-Orbit Interaction for the Electron Spin Relaxation in Organic Semiconductors. Physical Review Letters, 2013, 110, 216602.	2.9	62
58	Evidence for Two Separate Energy Gaps in Underdoped High-Temperature Cuprate Superconductors from Broadband Infrared Ellipsometry. Physical Review Letters, 2008, 100, 177004.	2.9	61
59	Anisotropy and dimensional crossover of the vortex state in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ crystals. Physical Review B, 1995, 52, R7050-R7053.	1.1	60
60	Terahertz Vortex Beam as a Spectroscopic Probe of Magnetic Excitations. Physical Review Letters, 2019, 122, 237401.	2.9	60
61	c-axis lattice dynamics in Bi-based cuprate superconductors. Physical Review B, 2004, 69, .	1.1	55
62	Anomaly of oxygen bond-bending mode at 320 cm^{-1} and additional absorption peak in the c-axis infrared conductivity of underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals revisited with ellipsometric measurements. Physical Review B, 2000, 61, 618-626.	1.1	53
63	Superconducting Energy Gap and c-Axis Plasma Frequency of $(\text{Nd},\text{Sm})\text{FeAsO}_{0.82}\text{F}_{0.18}$ Superconductors from Infrared Ellipsometry. Physical Review Letters, 2008, 101, 097011.	2.9	52
64	Interplanar coupling, induced superconductivity, and van Hove singularity in high-Tc cuprates. Physical Review B, 1996, 53, R11972-R11975.	1.1	51
65	Linear and nonlinear optical responses in the chiral multifold semimetal RhSi. Npj Quantum Materials, 2020, 5, .	1.8	50
66	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.	2.9	47
67	Manipulating magnetism in $\text{La}_{1-x}\text{Pr}_x\text{FeAsO}$. Physical Review Letters, 2011, 107, 077201.	2.9	47
68	Muon spin rotation study of magnetism and superconductivity in $\text{Ba}(\text{Fe}_{1-x}\text{Tj}_x)\text{ETQ}_0$. Physical Review Letters, 2003, 91, 237002.	1.1	46
69	In-plane polarized collective modes in detwinned $\text{YBa}_2\text{Cu}_3\text{O}_{6.95}$ observed by spectral ellipsometry. Solid State Communications, 2002, 121, 93-97.	0.9	45
70	Two Resonant Magnetic Modes in an Overdoped High-Tc Superconductor. Physical Review Letters, 2003, 91, 237002.	2.9	44
71	Nickel Impurity-Induced Enhancement of the Pseudogap of Cuprate High-Tc Superconductors. Physical Review Letters, 2005, 94, 227003.	2.9	44
72	Electronic c-axis Response of $\text{Y}_{1-x}\text{Ca}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ Crystals Studied by Far-Infrared Ellipsometry. Physical Review Letters, 1998, 80, 1762-1765.	2.9	43

#	ARTICLE	IF	CITATIONS
73	Far-infrared ellipsometric study of the spectral gap in the c-axis conductivity of $Y_{1-x}Ca_xBa_2Cu_3O_{7-\delta}$ crystals. <i>Physical Review B</i> , 1999, 59, R6631-R6634.	1.1	43
74	Josephson Plasma Resonance and Phonon Anomalies in Trilayer $Bi_2Sr_2Ca_2Cu_3O_{10}$. <i>Physical Review Letters</i> , 2002, 89, 277001.	2.9	42
75	Muon spin rotation study of magnetism and superconductivity in $BaFe_{2-x}Co_xAs_2$ and $Pr_{1-x}Sr_xFeAsO$. <i>New Journal of Physics</i> , 2009, 11, 055050.	1.2	42
76	Two-Dimensional Confinement of $3d$ Electrons in $LaTiO_3$. <i>Physical Review Letters</i> , 2010, 104, 036401.	2.9	41
77	Influence of La and Mn vacancies on the electronic and magnetic properties of $LaMnO_3$ thin films grown by pulsed laser deposition. <i>Physical Review B</i> , 2014, 89, .	1.1	41
78	Phase separation, pseudogap and impurity scattering in the HTS cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 282-287, 236-239.	0.6	38
79	Correlation between the Josephson coupling energy and the condensation energy in bilayer cuprate superconductors. <i>Physical Review B</i> , 2001, 64, .	1.1	38
80	Optical signatures of multifold fermions in the chiral topological semimetal CoSi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27104-27110.	3.3	37
81	Does the peak in the magnetic susceptibility determine the in-plane infrared conductivity of YBCO? A theoretical study. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 312, 121-135.	0.6	36
82	The ruthenocuprates: natural superconductor-ferromagnet multilayers. <i>Comptes Rendus Physique</i> , 2006, 7, 68-85.	0.3	36
83	Terahertz ellipsometry study of the soft mode behavior in ultrathin $SrTiO_3$ films. <i>Applied Physics Letters</i> , 2016, 108, 052901.	1.5	36
84	Intrinsic Josephson Effects in the Magnetic Superconductor $RuSr_2GdCu_2O_8$. <i>Physical Review Letters</i> , 2004, 92, 117001.	2.9	34
85	Pulsed laser deposition growth of heteroepitaxial $YBa_2Cu_3O_{7-x}$. <i>Physical Review Letters</i> , 1997, 78, 187201.	1.1	34
86	Evidence for a Two-Stage Melting Transition of the Vortex Matter in $Bi_2Sr_2Ca_1Cu_2O_{8+\delta}$ Single Crystals Obtained by Muon Spin Rotation. <i>Physical Review Letters</i> , 1999, 82, 4926-4929.	2.9	33
87	Optical response of ferromagnetic $YTiO_3$ studied by spectral ellipsometry. <i>Physical Review B</i> , 2007, 76, .	1.1	32
88	Optical probe of ferroelectric order in bulk and thin-film perovskite titanates. <i>Physical Review B</i> , 2013, 88, .	1.1	32
89	Muon spin rotation study of the magnetic structure in the tetragonal antiferromagnetic state of weakly underdoped $Ba_{1-x}K_xFe_2As_2$. <i>Europhysics Letters</i> , 2015, 111, 57001.	0.7	32
90	Oxygen Superstructures Throughout the Phase Diagram of $(Y,Ca)Ba_2Cu_3O_{6+x}$. <i>Physical Review Letters</i> , 2004, 93, 157007.	2.9	31

#	ARTICLE	IF	CITATIONS
91	Infrared Study of the Spin Reorientation Transition and Its Reversal in the Superconducting State in Underdoped $KxFe_2As_2$. Physical Review Letters, 2015, 115, 027003.	2.9	11
92	Simultaneous observation of muonium and multiple free radicals in muon-implanted C70. Physical Review B, 1993, 47, 10923-10926.	1.1	30
93	A new approach to the design of high-Tc superconductors: Metallised interlayers. Journal of Low Temperature Physics, 1996, 105, 1379-1384.	0.6	29
94	Single crystals of $RuSr_2GdCu_2O_8$. Physica C: Superconductivity and Its Applications, 2001, 364-365, 373-375.	0.6	29
95	Energy and length scales in the superconducting phase diagram for HTSC cuprates. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1821-1822.	0.6	28
96	Reorientational dynamics of C60 in the solid state. An avoided level-crossing muon spin resonance study. Chemical Physics, 1995, 192, 231-237.	0.9	28
97	Raman Scattering from Magnetic Excitations in the Ferromagnetic Superconductor $RuSr_2GdCu_2O_8$. Physica Status Solidi (B): Basic Research, 1999, 211, R5-R6.	0.7	28
98	Anomalous oxygen-isotope effect on the in-plane far-infrared conductivity of detwinned $YBa_2Cu_3O_{6.9}$. Physical Review B, 2004, 69, .	1.1	28
99	Cu_2O . Physical Review B, 2004, 69, .	1.1	28
100	Enhanced superconducting properties of EuO ₃ -doped MgB ₂ . Physica C: Superconductivity and Its Applications, 2009, 469, 846-851.	0.6	26
101	Magnetotransport properties of doped $RuSr_2GdCu_2O_8$. Physical Review B, 2003, 68, .	1.1	25
102	Macroscopic phase segregation in superconducting $K_{0.73}FeSe$. Physical Review B, 2012, 85, 020407.	1.1	25
103	$Se_{1.67}$. Physical Review B, 2012, 85, 020407.		

#	ARTICLE	IF	CITATIONS
109	The effect of carbon and rare earth oxide co-doping on the structural and superconducting properties of MgB ₂ . Superconductor Science and Technology, 2010, 23, 045005.	1.8	22
110	Local terahertz field enhancement for time-resolved x-ray diffraction. Applied Physics Letters, 2017, 110, .	1.5	21
111	Superconductivity in epitaxial thin films of Na _x CoO ₂ ·yD ₂ O. Applied Physics Letters, 2006, 88, 162501.	1.5	20
112	Importance of intramolecular electron spin relaxation in small molecule semiconductors. Physical Review B, 2011, 84, .	1.1	20
113	Band-selective clean-limit and dirty-limit superconductivity with nodeless gaps in the bilayer iron-based superconductor CsCa ₂ F ₂ O ₈ . Physical Review B, 2018, 98, 020501.	1.1	20
114	X-ray absorption study of the ferromagnetic Cu moment at the YBa ₂ Cu ₃ O _{7-x} system. Physical Review B, 2016, 93, .	1.1	19
115	Far infrared ellipsometry using synchrotron radiation: the out-of-plane response of La _{2-x} Sr _x CuO ₄ . Thin Solid Films, 1998, 313-314, 642-648.	0.8	18
116	Adjusted oscillator strength matching for hybrid magnetic and electric excitations in DyFe ₃ . Physical Review Letters, 2013, 110, 136805.	1.1	18
117	Electric Field-Induced Polar Order and Localization of the Confined Electrons in LaAlO ₃ /SrTiO ₃ . Physical Review Letters, 2013, 110, 136805.	2.9	18
118	Enhanced superconducting properties of rare-earth oxides and graphene oxide added MgB ₂ . Physica C: Superconductivity and Its Applications, 2014, 505, 32-38.	0.6	18
119	Optical constants, band gap, and infrared-active phonons of (LaAlO ₃) _{0.3} (SrAlTaO ₆) _{0.35} (LSAT) from spectroscopic ellipsometry. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	0.9	18
120	In situ monitoring of atomic layer epitaxy via optical ellipsometry. Journal Physics D: Applied Physics, 2018, 51, 125306.	1.3	18
121	Electron-phonon-driven three-dimensional metallicity in an insulating cuprate. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6409-6416.	3.3	18
122	Total Angular Momentum Dichroism of the Terahertz Vortex Beams at the Antiferromagnetic Resonances. Physical Review Letters, 2021, 126, 157401.	2.9	18
123	Resonant spin Hall effect of light in cuprates and optical phonons and their connection to magnetic and dielectric properties of DyFe ₃ . Physical Review Letters, 2013, 110, 136805.	1.1	17
124	Muon spin rotation and infrared spectroscopy study of magnetism and superconductivity in BaK ₂ Fe ₂ As ₂ . Physical Review B, 2017, 95, .	0.1	16
125	Muon spin relaxation studies of superconducting cuprates. Superconductor Science and Technology, 1997, 10, A38-A51.	1.8	15
126	Far-infrared dc-axis conductivity of flux-grown Y _{1-x} Pr _x Ba ₂ Cu ₃ O ₇ single crystals studied by spectral ellipsometry. Physical Review B, 2000, 62, 9138-9142.	1.1	15

#	ARTICLE	IF	CITATIONS
127	Approximate tight-binding sum rule for the superconductivity-related change of c-axis kinetic energy in multilayer cuprate superconductors. <i>Physical Review B</i> , 2003, 67, .	1.1	15
128	Interpretation of in-plane infrared response of high-Tc cuprate superconductors involving spin fluctuations using quasiparticle spectral functions. <i>Physical Review B</i> , 2005, 72, .	1.1	15
129	X-ray study of structural domains in the near-surface region of SrTiO ₃ substrates with Y _{0.6} Pr _{0.4} Ba ₂ Cu ₃ O ₇ /La _{2/3} Ca _{1/3} MnO ₃ superlattices grown on top. <i>Physical Review B</i> , 2008, 78, .	1.1	15
130	The effect of citric and oxalic acid doping on the superconducting properties of MgB ₂ . <i>Superconductor Science and Technology</i> , 2009, 22, 125014.	1.8	15
131	Effect of combined addition of graphene oxide and citric acid on superconducting properties of MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2015, 509, 49-55.	0.6	15
132	Infrared ellipsometry study of the confined electrons in a high-mobility $\text{Al}_2\text{O}_3/\text{SrTiO}_3$ heterostructure. <i>Europhysics Letters</i> , 2016, 113, 47005.	0.7	15
133	Doping dependence of the magnetic penetration depth in $\text{Yb}_{1-x}\text{Ca}_x(\text{Ba}_{1.6}\text{Sr}_{0.4})\text{Cu}_3\text{O}_{7-\delta}$ studied by muon spin rotation. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 226, 250-254.	0.6	14
134	Microscopic gauge-invariant theory of the c-axis infrared response of bilayer cuprate superconductors and the origin of the superconductivity-induced absorption bands. <i>Physical Review B</i> , 2009, 79, .	1.1	14
135	Infrared study of the multiband low-energy excitations of the topological antiferromagnet MnBi_2Te_4 . <i>Physical Review B</i> , 2021, 103, .	1.1	13
136	Absence of an isotope effect in the magnetic resonance in high-Tc superconductors. <i>Physical Review B</i> , 2005, 71, .	1.1	12
137	Pseudogap and precursor superconductivity in underdoped cuprate high temperature superconductors: A far-infrared ellipsometry study. <i>European Physical Journal: Special Topics</i> , 2010, 188, 73-88.	1.2	12
138	Effect of Fe composition on the superconducting properties (T_c , H_{c2} and H_{irr}) of $\text{Fe}_x\text{Se}_{1/2}\text{Te}_{1/2}$ ($x=0.95$). <i>ETQq0,0 0 rgBT</i>	1.1	12
139	Clocking the onset of bilayer coherence in a high- T_c cuprate. <i>Physical Review B</i> , 2011, 83, 120501.	1.1	12
140	Controlling the strength of ferromagnetic order in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review B</i> , 2011, 83, 120502.	1.1	12
141	Muon-spin rotation study of magnetism in Na_xCoO_2 single crystals with $0.78 \leq x \leq 0.97$. <i>Europhysics Letters</i> , 2007, 80, 27005.	0.7	11
142	X-ray absorption spectroscopy study of the electronic and magnetic proximity effects in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review B</i> , 2011, 83, 120503.	1.1	11
143	Structural, magnetic, and superconducting properties of pulsed-laser-deposition-grown $\text{La}_{1-x}\text{Sr}_x\text{CuO}_3$. <i>Physical Review B</i> , 2014, 89, .	1.5	11
144	Controlling the near-surface superfluid density in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ by photo-illumination. <i>Scientific Reports</i> , 2014, 4, 6250.	1.6	11

#	ARTICLE	IF	CITATIONS
145	Granular superconductivity and magnetic-field-driven recovery of macroscopic coherence in a cuprate/manganite multilayer. Physical Review B, 2016, 94, .	1.1	11
146	Infrared ellipsometry study of photogenerated charge carriers at the (001) and (110) surfaces of SrTiO_3 crystals and at the interface of the corresponding $\text{LaAlO}_3/\text{TbMnO}_3$ heterostructure. Physical Review B, 2018, 97, .	1.1	11
147	Lattice-mediated magnetic order melting in $\text{LaAlO}_3/\text{TbMnO}_3$ heterostructure. Physical Review B, 2018, 97, .		
148	Optical study of Dirac fermions and related phonon anomalies in the antiferromagnetic compound CaFeAsF . Physical Review B, 2018, 97, .	1.1	11
149	Structural and magnetic instabilities of $\text{La}_{2-x}\text{Sr}_x\text{CaCu}_2\text{O}_6$. Physical Review B, 2002, 65, .	1.1	10
150	Diffraction effects in infrared ellipsometry of conducting samples. Thin Solid Films, 2004, 455-456, 177-182.	0.8	10
151	The effect of $\text{Pr}_{1-x}\text{O}_x$ doping on superconducting properties of MgB_2 . Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 175-182.	0.8	10
152	Muon spin rotation studies of doping in high-Tc superconductors. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1287-1290.	1.0	9
153	Rotational dynamics of solid C_{70} investigated by the muon-spin-rotation technique. Physical Review B, 1995, 51, 14867-14873.	1.1	9
154	Competing superconducting and magnetic order parameters and field-induced magnetism in electron-doped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review B, 2015, 91, .	1.1	9
155	Possible relationship between the peak in the magnetic susceptibility and the in-plane far-infrared conductivity of YBCO. Physica C: Superconductivity and Its Applications, 1999, 317-318, 547-549.	0.6	8
156	The Far-Infrared In-Plane Conductivity of YBaCuO Studied by Ellipsometry. Physica Status Solidi (B): Basic Research, 1999, 215, 553-556.	0.7	8
157	Broad-band infrared ellipsometry measurements of the c-axis response of underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$: Spectroscopic distinction between the normal-state pseudogap and the superconducting gap. Journal of Physics and Chemistry of Solids, 2008, 69, 3064-3069.	1.9	8
158	Polarized neutron reflectometry study of the magnetization reversal process in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physical Review B, 2010, 82, .	1.1	8
159	Element-specific magnetization redistribution at $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physical Review B, 2015, 92, .	1.1	8
160	Anomalous anisotropic exciton temperature dependence in rutile TiO_2 . Physical Review B, 2017, 96, .	1.1	8
161	Muon spin rotation and infrared spectroscopy study of $\text{Ba}_{1-x}\text{K}_x\text{BiO}_3$. Physical Review B, 2020, 101, .		
162	Optical Signature of a Crossover from Mott- to Slater-Type Gap in Sr_2VO_4 . Physical Review Letters, 2020, 124, 027402.	2.9	8

#	ARTICLE	IF	CITATIONS
163	Granular superconductivity and charge/orbital order in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ manganite trilayers. <i>Physical Review Materials</i> , 2019, 3, .	0.9	8
164	Niedermayer et al. reply. <i>Physical Review Letters</i> , 1994, 72, 2502-2502.	2.9	7
165	Magnetic penetration depth of $\text{Ti}_2\text{Ba}_2\text{CuO}_6$ in the overdoped region. <i>Journal of Superconductivity and Novel Magnetism</i> , 1994, 7, 165-168.	0.5	7
166	Comment on "Transport at a van Hove Singularity in Cuprate Superconductors". <i>Physical Review Letters</i> , 1995, 75, 4552-4552.	2.9	7
167	Magnetism, superconductivity, and coupling in cuprate heterostructures probed by low-energy muon-spin rotation. <i>Physical Review B</i> , 2012, 85, .	1.1	7
168	Evidence for precursor superconducting pairing above T_c in underdoped cuprates from an analysis of the in-plane infrared response. <i>New Journal of Physics</i> , 2015, 17, 053022.	1.2	7
169	Coupled Cu and Mn charge and orbital orders in $\text{YBa}_2\text{Cu}_3\text{O}_7/\text{Nd}_{0.65}(\text{Ca}_{1-y}\text{Sr}_y)_{0.35}\text{MnO}_3$ multilayers. <i>Communications Physics</i> , 2018, 1, .	2.0	7
170	Scaling of the Fano Effect of the In-Plane Fe-As Phonon and the Superconducting Critical Temperature in BaFe_2As_2 . <i>Physical Review Letters</i> , 2019, 122, 217002.	2.9	7
171	Electron spin relaxation in organic semiconductors probed through ^1H NMR. <i>Journal of Physics: Conference Series</i> , 2011, 292, 012004.	0.3	6
172	Superconductivity and charge-carrier localization in ultrathin $\text{La}_{1-x}\text{Sr}_x\text{FeAs}_2$. <i>Physical Review B</i> , 2017, 95, .	1.6	6
173	Backfolded acoustic phonons as ultrasonic probes in metal-oxide superlattices. <i>Physical Review Materials</i> , 2020, 4, .	0.9	6
174	Long-ranged Cu-based order with d_{z^2} orbital character at a $\text{YBa}_2\text{Cu}_3\text{O}_7/\text{manganite}$ interface. <i>Npj Quantum Materials</i> , 2021, 6, .	1.8	5
175	Infrared study of the interplay of charge, spin, and lattice excitations in the magnetic topological insulator EuIn_2As_4 . <i>Physical Review B</i> , 2021, 103, .	1.1	5
176	The electronic c-axis conductivity of $\text{Y}_{1-x}\text{Ca}_x\text{Ba}_2\text{Cu}_3\text{O}_7$ single crystals studied by far-infrared ellipsometry. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 317-318, 276-281.	0.6	4
177	Transverse-field muon spin relaxation investigations of the magnetic penetration depth in the carbide superconductors $\text{Y}_2\text{C}_2(\text{Br},\text{I})_2$ and YC_2 . <i>Physical Review B</i> , 2000, 62, 14469-14475.	1.1	4
178	Anisotropy of infrared-active phonon modes in the monodomain state of tetragonal SrTiO_3 (110). <i>Physical Review B</i> , 2017, 95, .	1.1	4
179	Raman scattering from magnetic excitations in ruthenate-cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2255-2256.	0.6	3
180	Structural, magnetic and electronic properties of pulsed-laser-deposition grown $\text{SrFeO}_{3-\delta}$ thin films and $\text{SrFeO}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ multilayers. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 495601.	0.7	3

#	ARTICLE	IF	CITATIONS
181	Signatures of the bonding-antibonding splitting in the c -axis infrared response of moderately underdoped bilayer and trilayer cuprate superconductors. <i>Physical Review B</i> , 2019, 99, .	1.1	3
182	Superconductivity-induced transverse plasma mode and phonon anomaly in the c -axis response of the bilayer compound $\text{RbCa}_2\text{Fe}_4\text{As}_4\text{F}_2$. <i>Physical Review B</i> , 2020, 101, .	1.1	3
183	Non-collinear and asymmetric polar moments at back-gated SrTiO_3 interfaces. <i>Communications Physics</i> , 2022, 5, .	2.0	3
184	Muon-spin rotation study of antiferromagnetic order in hydrogenated $\text{YBa}_2\text{Cu}_4\text{O}_8$ evidence for a local structural change in the vicinity of T_c . <i>Physica C: Superconductivity and Its Applications</i> , 1995, 242, 39-45.	0.6	2
185	Study of the magnetic phase diagram of $\text{Y}_{1-x}\text{Ca}_x\text{Ba}_2\text{Cu}_3\text{O}_6$. , 1997, 105, 131-137.		2
186	Phonon anomalies in the infrared conductivity of the $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ ferromagnetic superconductor. <i>Physica B: Condensed Matter</i> , 2002, 312-313, 797-799.	1.3	2
187	Raman scattering study of $\text{Ru}(\text{Sr},\text{La})_2\text{GdCu}_2\text{O}_8$. <i>Physical Review B</i> , 2006, 73, .	1.1	2
188	Isotope effect on the optical phonons of $\text{YBa}_2\text{Cu}_4\text{O}_8$ studied by far-infrared ellipsometry and Raman scattering. <i>Physical Review B</i> , 2006, 74, .	1.1	2
189	Measurement of hyperfine coupling constants of muoniated radicals in small molecule semiconductors. <i>Journal of Physics: Conference Series</i> , 2014, 551, 012042.	0.3	2
190	Atomic-resolution studies of epitaxial strain release mechanisms in $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4/\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ superlattices. <i>Physical Review B</i> , 2015, 91, .	1.1	2
191	Growth and Nanofabrication of All-Perovskite Superconducting/Ferromagnetic/Superconducting Junctions. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 2721-2726.	0.8	2
192	Superconducting transition in the Presence of Magnetic order in $\text{BaFe}_{1.89}\text{Co}_{0.11}\text{As}_2$. <i>Progress in Superconductivity and Cryogenics (PSAC)</i> , 2015, 17, 21-24.	0.3	2
193	Infrared spectroscopy study of the in-plane response of $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$ in magnetic fields up to 30 Tesla. <i>Physical Review Research</i> , 2020, 2, .	1.3	2
194	Electronic phase separation in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4+y}$. <i>Physica B: Condensed Matter</i> , 2006, 374-375, 199-202.	1.3	1
195	Ultrafast terahertz spin dynamics: from phonon-induced spin order to coherent magnon control. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
196	Study of superconducting properties of ferrocene-added MgB_2 . <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1503-1511.	0.8	1
197	Magneto-transport in $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3/\text{YBa}_2\text{Cu}_3\text{O}_7/\text{Alq}_3/\text{Co}$ spin-valves. <i>Europhysics Letters</i> , 2020, 129, 37002.	0.7	1
198	Magnetic penetration depth of $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$: $T_c^{-1/4}$ in the overdoped region. <i>Hyperfine Interactions</i> , 1994, 86, 585-590.	0.2	0

#	ARTICLE	IF	CITATIONS
199	Title is missing!. , 1997, 105, 89-94.		0
200	Title is missing!. , 1997, 105, 139-144.		0
201	Low-temperature vortex structures of the mixed state in underdoped Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . Physica B: Condensed Matter, 2000, 289-290, 365-368.	1.3	0
202	Low-energy excitations in La _{1.2} Sr _{1.8} Mn ₂ O ₇ investigated by ellipsometry. Physical Review B, 2005, 72, .	1.1	0
203	PNR Studies of Proximity and Coupling Effects in YBa ₂ Cu ₃ O ₇ /La ₂ /3Ca ₁ /3MnO ₃ Superlattices. Neutron News, 2009, 20, 13-16.	0.1	0
204	Temperature dependence of the superconductivity-induced collective mode in the c-axis infrared spectra of bilayer cuprate superconductors. Physica C: Superconductivity and Its Applications, 2010, 470, S75-S77.	0.6	0
205	Femtosecond Dynamics of Superconducting and Spin-Density Wave Gaps in Pnictides. , 2011, , .		0
206	Transient Spin Density Wave Order Induced in the Normal State of BaFe ₂ As ₂ by Coherent Lattice Oscillations. EPJ Web of Conferences, 2013, 41, 03012.	0.1	0
207	Time-Resolved Optical Pump -THz Ellipsometer Probe Measurements. , 2019, , .		0
208	Frequency- and temperature-dependent conductivity at the metal-insulator transition in phosphorus doped silicon studied by far-infrared ellipsometry. AIP Conference Proceedings, 2007, , .	0.3	0
209	Dimensionality Transition of the Vortex State in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . , 1996, , 477-480.		0
210	Superconductor sandwiches: cuprate-manganite multilayers with a remarkable new ground state. , 2018, , .		0
211	Magnetic field dependence of the copper charge density wave order in a YBa ₂ Cu ₃ O ₇ /Nd _{0.65} (Ca _{0.7} Sr _{0.3}) _{0.35} MnO ₃ superlattice. Physical Review B, 2021, 104, .	1.1	0