

# Robert J Birgeneau

## List of Publications by Citations

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125  
papers

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69  
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135  
ext. papers

5,437  
ext. citations

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L-index

#	Paper	IF	Citations
125	E versus k relations and many body effects in the model insulating copper oxide Sr <sub>2</sub> CuO <sub>2</sub> Cl <sub>2</sub> . <i>Physical Review Letters</i> , <b>1995</b> , 74, 964-967	7.4	453
124	Systematics of the Photoemission Spectral Function of Cuprates: Insulators and Hole- and Electron-Doped Superconductors. <i>Physical Review Letters</i> , <b>1998</b> , 80, 4245-4248	7.4	218
123	Neutron-scattering study of spin-density wave order in the superconducting state of excess-oxygen-doped La <sub>2</sub> CuO <sub>4+y</sub> . <i>Physical Review B</i> , <b>1999</b> , 60, 3643-3654	3.3	206
122	Incommensurate Spin Fluctuations in High-Transition Temperature Superconductors. <i>Science</i> , <b>1997</b> , 277, 1067-1071	33.3	163
121	From incommensurate to dispersive spin-fluctuations: The high-energy inelastic spectrum in superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.5</sub> . <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	162
120	Direct Observation of a Magnetic Gap in Superconducting La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> (T <sub>c</sub> =37.3K). <i>Physical Review Letters</i> , <b>1995</b> , 75, 1626-1629	7.4	160
119	Photoelectron spin-flipping and texture manipulation in a topological insulator. <i>Nature Physics</i> , <b>2013</b> , 9, 293-298	16.2	152
118	Dynamic stripes and resonance in the superconducting and normal phases of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.5</sub> ortho-II superconductor. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	152
117	Scaling behavior of the generalized susceptibility in La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4+y</sub> . <i>Physical Review Letters</i> , <b>1991</b> , 67, 1930-1933	7.4	147
116	Ferroelectric ordering in the relaxor Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> as evidenced by low-temperature phonon anomalies. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	141
115	Magnetic Neutron Scattering in Hole-Doped Cuprate Superconductors. <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 111003	1.5	136
114	Spin Waves and Magnetic Ordering in K <sub>2</sub> MnF <sub>4</sub> . <i>Physical Review B</i> , <b>1973</b> , 8, 304-311	3.3	135
113	Mean field theory, the Ginzburg criterion, and marginal dimensionality of phase transitions. <i>American Journal of Physics</i> , <b>1977</b> , 45, 554-560	0.7	131
112	Enhancement of long-range magnetic order by magnetic field in superconducting La <sub>2</sub> CuO <sub>4+y</sub> . <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	117
111	Square-Lattice Heisenberg Antiferromagnet at Very Large Correlation Lengths. <i>Physical Review Letters</i> , <b>1998</b> , 80, 1742-1745	7.4	110
110	Random-field effects in the diluted two-dimensional Ising antiferromagnet Rb <sub>2</sub> Co <sub>0.7</sub> Mg <sub>0.3</sub> F <sub>4</sub> . <i>Physical Review B</i> , <b>1983</b> , 28, 1438-1448	3.3	109
109	Neutron-Scattering Study of Magnetism in Single-Crystal Cu <sub>1-x</sub> Zn <sub>x</sub> GeO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>1996</b> , 65, 1392-1398	1.5	104

108	Critical behavior of pure and site-random two-dimensional antiferromagnets. <i>Physical Review B</i> , <b>1977</b> , 16, 280-292	3-3	101
107	Neutron diffraction study of the magnetic and structural phase transitions in BaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	97
106	Intercalation and staging behavior in super-oxygenated La <sub>2</sub> CuO <sub>4</sub> + $\delta$ . <i>Zeitschrift für Physik B-Condensed Matter</i> , <b>1996</b> , 100, 535-545		85
105	Universal static and dynamic properties of the structural transition in Pb(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> . <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	79
104	Field-induced transition between magnetically disordered and ordered phases in underdoped La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>2005</b> , 71,	3-3	73
103	Atomic-scale control of magnetic anisotropy via novel spin-orbit coupling effect in La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> /SrIrO <sub>3</sub> superlattices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 6397-402	11.5	70
102	Damped soft phonons and diffuse scattering in 40%Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> 0%PbTiO <sub>3</sub> . <i>Physical Review B</i> , <b>2006</b> , 73,	3-3	61
101	Ordering due to Quantum Fluctuations in Sr <sub>2</sub> Cu <sub>3</sub> O <sub>4</sub> Cl <sub>2</sub> . <i>Physical Review Letters</i> , <b>1999</b> , 83, 852-855	7-4	60
100	Spin dependence of correlations in two-dimensional square-lattice quantum Heisenberg antiferromagnets. <i>Physical Review Letters</i> , <b>1995</b> , 75, 938-941	7-4	60
99	High-Resolution X-ray Study of the Smectic A-Smectic B Phase Transition and the Smectic B Phase in Butyloxybenzylidene Octylaniline. <i>Molecular Crystals and Liquid Crystals</i> , <b>1981</b> , 67, 205-214		60
98	Ferromagnetic Moment and Spin Rotation Transitions in Tetragonal Antiferromagnetic Sr <sub>2</sub> Cu <sub>3</sub> O <sub>4</sub> Cl <sub>2</sub> . <i>Physical Review Letters</i> , <b>1997</b> , 78, 535-538	7-4	57
97	Central mode and spin confinement near the boundary of the superconducting phase in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.353</sub> (T <sub>c</sub> =18K). <i>Physical Review B</i> , <b>2006</b> , 73,	3-3	53
96	Liquids, Crystals and Liquid Crystals. <i>Physics Today</i> , <b>1989</b> , 42, 52-59	0.9	52
95	Hexatic ordering in liquid crystal films. <i>Contemporary Physics</i> , <b>1989</b> , 30, 321-335	3-3	49
94	The Richtmyer Memorial Lecture (January 1989): Novel magnetic phenomena and high-temperature superconductivity in lamellar copper oxides. <i>American Journal of Physics</i> , <b>1990</b> , 58, 28-40	0.7	49
93	First- and second-order magnetic and structural transitions in BaFe <sub>2</sub> (1-x)Co <sub>2x</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	47
92	Strong Influence of the Diffuse Component on the Lattice Dynamics in Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 3002-3010	1.5	47
91	Temperature scaling of the integrated dynamical susceptibility in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.5</sub> (T <sub>c</sub> = 50 K). <i>European Physical Journal B</i> , <b>1992</b> , 87, 15-19	1.2	47

90	Effect of a magnetic field on the spin- and charge-density-wave order in $\text{La}_{1.45}\text{Nd}_{0.4}\text{Sr}_{0.15}\text{CuO}_4$ . <i>Physical Review B</i> , <b>2003</b> , 67,	3-3	46
89	Spin dynamics near the critical doping in weakly superconducting underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6.35}$ ( $T_c=18\text{K}$ ). <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	43
88	Effect of a magnetic field on long-range magnetic order in stage-4 and stage-6 superconducting $\text{La}_2\text{CuO}_{4+y}$ . <i>Physical Review B</i> , <b>2003</b> , 67,	3-3	43
87	Magnetic nature of the 500 meV peak in $\text{La}_2\text{Sr}_x\text{CuO}_4$ observed with resonant inelastic x-ray scattering at the Cu K-edge. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	38
86	Charge-transfer exciton in $\text{La}_2\text{CuO}_4$ probed with resonant inelastic x-ray scattering. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	37
85	Correlated states in $\text{LiIrO}$ driven by applied magnetic fields. <i>Nature Communications</i> , <b>2017</b> , 8, 961	17.4	32
84	Resonant x-ray scattering reveals possible disappearance of magnetic order under hydrostatic pressure in the Kitaev candidate $\text{Li}_2\text{IrO}_3$ . <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	31
83	Universal magnetic and structural behaviors in the iron arsenides. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	30
82	Neutron scattering study of the effects of dopant disorder on the superconductivity and magnetic order in stage-4 $\text{La}_2\text{CuO}_{4+y}$ . <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	27
81	X-ray and neutron scattering, magnetization, and heat capacity study of the 3D random field Ising model. <i>Physical Review Letters</i> , <b>1995</b> , 75, 1198-1201	7.4	27
80	Magnetic properties of the overdoped superconductor $\text{La}_2\text{Sr}_x\text{CuO}_4$ with and without Zn impurities. <i>Physical Review B</i> , <b>2005</b> , 72,	3-3	26
79	Stabilization of three-dimensional charge order in $\text{YBaCuO}$ via epitaxial growth. <i>Nature Communications</i> , <b>2018</b> , 9, 2978	17.4	25
78	Electrochemistry and staging in $\text{La}_2\text{CuO}_{4+\delta}$ <i>Physical Review B</i> , <b>1998</b> , 57, 13915-13921	3-3	25
77	Evidence for decay of spin waves above the pseudogap of underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6.35}$ . <i>Physical Review B</i> , <b>2007</b> , 75,	3-3	24
76	Correlations and Nel Order of Randomly Diluted Quantum Spin Ladders. <i>Physical Review Letters</i> , <b>1998</b> , 81, 1945-1948	7.4	24
75	Large length-scale fluctuations at the spin-Peierls transition in $\text{CuGeO}_3$ . <i>Physical Review B</i> , <b>1995</b> , 52, 15420-15425	3-3	24
74	Momentum Dependence of the Nematic Order Parameter in Iron-Based Superconductors. <i>Physical Review Letters</i> , <b>2019</b> , 123, 066402	7.4	23
73	Evolution of antiferromagnetic susceptibility under uniaxial pressure in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ . <i>Physical Review B</i> , <b>2014</b> , 89,	3-3	21

72	Spin waves and magnetic exchange interactions in the spin-ladder compound RbFe <sub>2</sub> Se <sub>3</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	21
71	Spatial modulation of low-frequency spin fluctuations in hole-doped La <sub>2</sub> CuO <sub>4</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , <b>1997</b> , 10, 343-347		20
70	Incommensurate Lattice Distortion in the High Temperature Tetragonal Phase of La <sub>2-x</sub> (Sr,Ba) <sub>x</sub> CuO <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 074714	1-5	20
69	Local Orthorhombicity in the Magnetic C <sub>4</sub> Phase of the Hole-Doped Iron-Arsenide Superconductor Sr <sub>1-x</sub> Na <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> . <i>Physical Review Letters</i> , <b>2017</b> , 119, 187001	7-4	18
68	Charge ordering in superconducting copper oxides. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 32, 374005	1-5	18
67	Transition from Sign-Reversed to Sign-Preserved Cooper-Pairing Symmetry in Sulfur-Doped Iron Selenide Superconductors. <i>Physical Review Letters</i> , <b>2016</b> , 116, 197004	7-4	17
66	Two spatially separated phases in semiconducting Rb <sub>0.8</sub> Fe <sub>1.5</sub> S <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	17
65	Thermal evolution of the full three-dimensional magnetic excitations in the multiferroic BiFeO <sub>3</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	17
64	Neutron scattering measurements of spatially anisotropic magnetic exchange interactions in semiconducting K <sub>0.85</sub> Fe <sub>1.54</sub> Se <sub>2</sub> (TN = 280 K). <i>Physical Review Letters</i> , <b>2014</b> , 112, 177002	7-4	15
63	Quantitative characterization of short-range orthorhombic fluctuations in FeSe through pair distribution function analysis. <i>Physical Review B</i> , <b>2019</b> , 100,	3-3	14
62	Strong ferromagnetic exchange interaction under ambient pressure in BaFe <sub>2</sub> S <sub>3</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3-3	14
61	Bandwidth and Electron Correlation-Tuned Superconductivity in Rb <sub>0.8</sub> Fe <sub>2</sub> (Se <sub>1-z</sub> S <sub>z</sub> ) <sub>2</sub> . <i>Physical Review Letters</i> , <b>2015</b> , 115, 256403	7-4	14
60	Effect of electron correlations on magnetic excitations in the isovalently doped iron-based superconductor Ba(Fe <sub>1-x</sub> Ru <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> . <i>Physical Review Letters</i> , <b>2013</b> , 110, 147003	7-4	14
59	Antiferromagnetic critical fluctuations in BaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	14
58	Core-level and valence-band study using angle-integrated photoemission on LaFeAsO <sub>0.9</sub> F <sub>0.1</sub> . <i>Physical Review B</i> , <b>2008</b> , 78,	3-3	14
57	Magnetic order tuned by Cu substitution in Fe <sub>1.12</sub> Cu <sub>z</sub> Te. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	13
56	Enhanced low-energy magnetic excitations via suppression of the itinerancy in Fe <sub>0.98</sub> Cu <sub>z</sub> Te <sub>0.5</sub> Se <sub>0.5</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	13
55	Tunable room-temperature ferromagnetism in Co-doped two-dimensional van der Waals ZnO. <i>Nature Communications</i> , <b>2021</b> , 12, 3952	17-4	13

54	Gradual enhancement of stripe-type antiferromagnetism in the spin-ladder material BaFe <sub>2</sub> S <sub>3</sub> under pressure. <i>Physical Review B</i> , <b>2018</b> , 98,	3-3	13
53	Neutron inelastic scattering measurements of low-energy phonons in the multiferroic BiFeO <sub>3</sub> . <i>Physical Review B</i> , <b>2015</b> , 91,	3-3	12
52	Magnetic neutron diffraction study of Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> critical exponents through the tricritical doping. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	12
51	Resonant inelastic x-ray scattering study of overdoped La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>2005</b> , 72,	3-3	12
50	Experimental elucidation of the origin of the "double spin resonances" in Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	11
49	Tricritical to mean-field crossover at the spin-Peierls transition in CuGeO <sub>3</sub> . <i>Physical Review B</i> , <b>1999</b> , 60, 14816-14820	3-3	11
48	Thermal evolution of antiferromagnetic correlations and tetrahedral bond angles in superconducting FeTe <sub>1-x</sub> Sex. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	10
47	Mott localization in a pure stripe antiferromagnet Rb <sub>1-x</sub> Fe <sub>1.5</sub> S <sub>2</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	10
46	Muon spin rotation measurements of heterogeneous field response in overdoped La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	10
45	Widespread orthorhombic fluctuations in the (Sr,Na)Fe <sub>2</sub> As <sub>2</sub> family of superconductors. <i>Physical Review B</i> , <b>2018</b> , 98,	3-3	10
44	Spin waves and spatially anisotropic exchange interactions in the S=2 stripe antiferromagnet Rb <sub>0.8</sub> Fe <sub>1.5</sub> S <sub>2</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	9
43	Critical behavior of the structure factor for higher harmonics in density wave systems. <i>Physical Review Letters</i> , <b>1995</b> , 74, 5064-5067	7-4	9
42	Spectral Evidence for Emergent Order in Ba <sub>{1-x}Na_{x}Fe_{2}As_{2}</sub> . <i>Physical Review Letters</i> , <b>2018</b> , 121, 127001	7-4	9
41	Intertwined Magnetic and Nematic Orders in Semiconducting KFe <sub>{0.8}Ag_{1.2}Te_{2}</sub> . <i>Physical Review Letters</i> , <b>2019</b> , 122, 087201	7-4	8
40	X-ray Scattering and Magnetic Susceptibility Study of Doped CuGeO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 1544-1553	1-5	8
39	Neutron Scattering Study of Soft Phonons and Diffuse Scattering in Insulating La <sub>1.95</sub> Sr <sub>0.05</sub> CuO <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 3413-3417	1-5	8
38	Neutron spin-echo study of the critical dynamics of spin-5/2 antiferromagnets in two and three dimensions. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	7
37	Elucidating the magnetic and superconducting phases in the alkali metal intercalated iron chalcogenides. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	7

36	Low-energy magnetic excitations from the $\text{Fe}_{1+y}\text{Ni}_z\text{Cu}_{1-x-y-z}\text{Te}_{1-x}\text{Se}_x$ system. <i>Physical Review B</i> , <b>2014</b> , 89,	3-3	7
35	Coexistence of superconductivity and short-range double-stripe spin correlations in Te-vapor annealed $\text{FeTe}_{1-x}\text{Se}_x$ ( $x \leq 0.2$ ). <i>Physical Review B</i> , <b>2018</b> , 97,	3-3	6
34	X-ray scattering study of the incommensurate phase in Mg-doped $\text{CuGeO}_3$ . <i>Physical Review B</i> , <b>2002</b> , 66,	3-3	6
33	Moncton et al. Respond. <i>Physical Review Letters</i> , <b>1982</b> , 49, 1679-1679	7-4	6
32	Robust block magnetism in the spin ladder compound $\text{BaFe}_2\text{Se}_3$ under hydrostatic pressure. <i>Physical Review B</i> , <b>2019</b> , 100,	3-3	6
31	Substitution of Ni for Fe in superconducting $\text{Fe}_{0.98}\text{Te}_{0.5}\text{Se}_{0.5}$ depresses the normal-state conductivity but not the magnetic spectral weight. <i>Physical Review B</i> , <b>2015</b> , 91,	3-3	5
30	Enhancement of Magnetic Order in the Incommensurate Phase of Mg-doped $\text{CuGeO}_3$ . <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 746-752	1-5	5
29	Surprising loss of three-dimensionality in low-energy spin correlations on approaching superconductivity in $\text{Fe}_{1+y}\text{Te}_{1-x}\text{Se}_x$ . <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	4
28	Low-energy phonons and superconductivity in $\text{Sn}_{0.8}\text{In}_{0.2}\text{Te}$ . <i>Physical Review B</i> , <b>2015</b> , 91,	3-3	4
27	Thermodynamic properties of excess-oxygen-doped $\text{La}_2\text{CuO}_{4.11}$ near a simultaneous transition to superconductivity and long-range magnetic order. <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	4
26	Room-Temperature Topological Phase Transition in Quasi-One-Dimensional Material $\text{Bi}_4\text{I}_4$ . <i>Physical Review X</i> , <b>2021</b> , 11,	9-1	4
25	Three interaction energy scales in the single-layer high- $T_c$ cuprate $\text{HgBa}_2\text{CuO}_4$ . <i>Physical Review B</i> , <b>2020</b> , 102,	3-3	3
24	Phonon coupling to dynamic short-range polar order in a relaxor ferroelectric near the morphotropic phase boundary. <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	3
23	Specific Heat of $\text{Ba}_{0.59}\text{K}_{0.41}\text{Fe}_2\text{As}_2$ , an Fe-Pnictide Superconductor with $T_c = 36.9$ K, and a New Method for Identifying the Electron Contribution. <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 1147-1151	7-5	3
22	Neutron scattering study of underdoped $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ ( $x=0.09$ and $0.17$ ) self-flux-grown single crystals and the universality of the tricritical point. <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	3
21	Magnon-spinon dichotomy in the Kitaev hyperhoneycomb $\text{Li}_2\text{IrO}_3$ . <i>Physical Review B</i> , <b>2021</b> , 103,	3-3	3
20	Strain-Induced Spin-Nematic State and Nematic Susceptibility Arising from $2\text{d}$ Fe Clusters in $\text{KFe}_{0.8}\text{Ag}_{1.2}\text{Te}_2$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 247205	7-4	3
19	Magnetic and structural properties of the iron oxychalcogenides $\text{La}_2\text{O}_2\text{Fe}_2\text{OM}_2$ ( $M=\text{S,Se}$ ). <i>Physical Review B</i> , <b>2019</b> , 99,	3-3	2



18	Strain-activated structural anisotropy in BaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	2
17	Suppression of the antiferromagnetic order when approaching the superconducting state in a phase-separated crystal of KxFe <sub>2</sub> Se <sub>2</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	2
16	Zn-induced spin dynamics in overdoped La <sub>2-x</sub> Sr <sub>x</sub> Cu <sub>1-y</sub> Zn <sub>y</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	2
15	MAGNETISM AND SUPERCONDUCTIVITY IN DOPED PLANAR CuO <sub>2</sub> SYSTEMS. <i>International Journal of Modern Physics B</i> , <b>1988</b> , 02, 649-657	1.1	2
14	Gate-Tunable Transport in Quasi-One-Dimensional Bil Field Effect Transistors.. <i>Nano Letters</i> , <b>2022</b> ,	11.5	2
13	Nonsuperconducting electronic ground state in pressurized BaFe <sub>2</sub> S <sub>3</sub> and BaFe <sub>2</sub> S <sub>2.5</sub> Se <sub>0.5</sub> . <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2
12	In-plane uniaxial pressure-induced out-of-plane antiferromagnetic moment and critical fluctuations in BaFeAs. <i>Nature Communications</i> , <b>2020</b> , 11, 5728	17.4	2
11	Neutron scattering and magnetization studies of Ba <sub>2</sub> Cu <sub>2.95</sub> Co <sub>0.05</sub> O <sub>4</sub> Cl <sub>2</sub> : A decorated two-dimensional antiferromagnet. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	1
10	Spin dynamics in the diluted antiferromagnet Mn <sub>x</sub> Zn <sub>1-x</sub> F <sub>2</sub> (invited) (abstract). <i>Journal of Applied Physics</i> , <b>1987</b> , 61, 3692-3692	2.5	1
9	Commensurate-Incommensurate and Melting Transitions in Bromine-Intercalated Single Crystal Kish Graphite. <i>Materials Research Society Symposia Proceedings</i> , <b>1982</b> , 20, 21		1
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