

# Geetha Balakrishnan

## List of Publications by Year in descending order

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374  
papers

9,255  
citations

50170

46  
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69108

77  
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379  
all docs

379  
docs citations

379  
times ranked

9214  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large Tunable Rashba Spin Splitting of a Two-Dimensional Electron Gas in $\text{Bi}_2\text{Se}_3$ . Physical Review Letters, 2011, 107, 096802.	2.9	405
2	Quality Heterostructures from Two-Dimensional Crystals Unstable in Air by Their Assembly in Inert Atmosphere. Nano Letters, 2015, 15, 4914-4921.	4.5	358
3	Controlling Bulk Conductivity in Topological Insulators: Key Role of Anti-Site Defects. Advanced Materials, 2012, 24, 2154-2158.	11.1	258
4	Emergent quantum confinement at topological insulator surfaces. Nature Communications, 2012, 3, 1159.	5.8	235
5	Unconventional Fermi surface in an insulating state. Science, 2015, 349, 287-290.	6.0	229
6	$\text{Er}_2\text{Ti}_2\text{O}_7$ : Evidence of quantum order by disorder in a frustrated antiferromagnet. Physical Review B, 2003, 68, .	1.1	208
7	Electronic Structure and Enhanced Charge-Density Wave Order of Monolayer $\text{VSe}_2$ . Nano Letters, 2018, 18, 4493-4499.	4.5	200
8	Anomalous Structural Behavior of the Superconducting Compound $\text{La}_{1.85}\text{Ba}_{0.15}\text{CuO}_4$ . Physical Review Letters, 1987, 58, 1976-1978.	2.9	151
9	Detection of Time-Reversal Symmetry Breaking in the Noncentrosymmetric Superconductor $\text{Pr}_2\text{Ir}_2\text{O}_7$ by Muon-Spin Spectroscopy. Physical Review Letters, 2014, 112, 107002.	2.9	142
10	Observation of magnetic fragmentation in spin ice. Nature Physics, 2016, 12, 746-750.	6.5	117
11	Influence of charge and magnetic ordering on the insulator-metal transition in $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . Physical Review B, 1995, 52, R14303-R14307.	1.1	116
12	Real-space imaging of confined magnetic skyrmion tubes. Nature Communications, 2020, 11, 1726.	5.8	103
13	Unconventional Superconductivity in $\text{La}_7\text{Mn}_7\text{O}_{10}$ by Muon Spin Relaxation: Introducing a New Family of Noncentrosymmetric Superconductor That Breaks Time-Reversal Symmetry. Physical Review Letters, 2015, 115, 267001.	2.9	100
14	Specific heat of $\text{Pr}_{0.6}(\text{Ca}_{1-x}\text{Sr}_x)_0.4\text{MnO}_3$ ( $0 < x < 1$ ). Physical Review B, 1999, 59, 1298-1303.	1.1	94
15	Reentrant Peak Effect and Melting of a Flux Line Lattice in $2\text{H-NbSe}_2$ . Physical Review Letters, 1996, 76, 4600-4603.	2.9	88
16	Spin-valley locking in the normal state of a transition-metal dichalcogenide superconductor. Nature Communications, 2016, 7, 11711.	5.8	85
17	Fermi surface in the absence of a Fermi liquid in the Kondo insulator $\text{SmB}_6$ . Nature Physics, 2018, 14, 166-172.	6.5	81
18	Fluctuations and All-In/All-Out Ordering in Dipole-Octupole $\text{Nd}_2\text{O}_7$ . Physical Review Letters, 2015, 115, 197202.	2.9	79

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19	Magnetocaloric effect in pyrochlore antiferromagnet $\text{Gd}_2\text{Ti}_2\text{O}_7$ . <i>Physical Review B</i> , 2005, 71, .	1.1	77
20	Superconducting properties of the In-substituted topological crystalline insulator $\text{SnTe}$ . <i>Physical Review B</i> , 2013, 87, .	1.1	76
21	Superconductivity in two-dimensional $\text{NbSe}_2$ field effect transistors. <i>Superconductor Science and Technology</i> , 2013, 26, 125020.	1.8	75
22	Do Images of Biskyrmions Show Type-II Bubbles?. <i>Advanced Materials</i> , 2019, 31, e1806598.	11.1	73
23	High-magnetic-field behavior of the triangular-lattice antiferromagnet $\text{CuFeO}_2$ . <i>Physical Review B</i> , 2000, 62, 8983-8988.	1.1	71
24	Disorder, metastability, and history dependence in transformations of a vortex lattice. <i>Physical Review B</i> , 1999, 59, 6043-6046.	1.1	69
25	Time-Reversal Symmetry Breaking in Re-Based Superconductors. <i>Physical Review Letters</i> , 2018, 121, 257002.	2.9	67
26	Raman scattering study of delafossite magnetoelectric multiferroic compounds: $\text{CuFeO}_2$ and $\text{CuCrO}_2$ . <i>Journal of Physics Condensed Matter</i> , 2012, 24, 036003.	0.7	66
27	Neutron scattering investigation of the spin ice state in $\text{Dy}_2\text{Ti}_2\text{O}_7$ . <i>Physical Review B</i> , 2004, 70, .	1.1	63
28	Experimental signatures of emergent quantum electrodynamics in $\text{Pr}_2\text{Hf}_2\text{O}_7$ . <i>Nature Physics</i> , 2018, 14, 711-715.	6.5	62
29	Observation of superconductivity at 6 K in $\text{DyNi}_2\text{B}_2\text{C}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1995, 248, 349-352.	0.6	61
30	Single crystal growth of rare earth titanate pyrochlores. <i>Journal of Physics Condensed Matter</i> , 1998, 10, L723-L725.	0.7	61
31	Magnetization reversal in orthovanadate $\text{RVO}_3$ compounds (R=La, Nd, Sm, Gd, Er, and Y): Inhomogeneities caused by defects in the orbital sector of quasi-one-dimensional orbital systems. <i>Physical Review B</i> , 2007, 75, .	1.1	60
32	Investigations of the superconducting states of noncentrosymmetric $\text{LaPdSi}_3$ and $\text{LaPtSi}_3$ . <i>Physical Review B</i> , 2014, 89, .	1.1	60
33	Insulator-metal transitions in $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ induced by a magnetic field. <i>Applied Physics Letters</i> , 1996, 68, 424-426.	1.5	58
34	Vortex-chain state in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ : Experimental evidence for coexistence of two vortex orientations. <i>Physical Review B</i> , 1995, 51, 3765-3771.	1.1	56
35	Superconducting and normal-state properties of the noncentrosymmetric superconductor $\text{Re}_3\text{Mn}_5\text{Si}_4$ . <i>Physical Review B</i> , 2018, 98, .	1.1	54
36	Giant frictional dissipation peaks and charge-density-wave slips at the $\text{NbSe}_2$ surface. <i>Nature Materials</i> , 2014, 13, 173-177.	13.3	52

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37	Candidate quantum spin ice in the pyrochlore $\text{Pr}_2\text{O}_7$ . Physical Review B, 2016, 94, .	1.1	52
38	Signatures of the Kondo effect in VSe <sub>2</sub> . Scientific Reports, 2017, 7, 10964.	1.6	52
39	An upper bound for the density of states at the yttrium site in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\hat{\delta}</math></sub> . Journal of Physics C: Solid State Physics, 1988, 21, L847-L852.	1.5	51
40	Magnetic phase diagram of the antiferromagnetic pyrochlore Gd <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . Physical Review B, 2004, 70, .	1.1	50
41	Neutron scattering and muon spin relaxation measurements of the noncentrosymmetric antiferromagnet $\text{CeCoGe}_3$ . Physical Review B, 2013, 88, .	1.1	49
42	Peak effect, plateau effect, and fishtail anomaly: The reentrant amorphization of vortex matter in $2\text{H}\hat{\delta}\text{NbSe}_2$ . Physical Review B, 2000, 62, 11838-11845.	1.1	48
43	Revised magnetic properties of $\text{CuFeO}_2$ —a case of mistaken identity. Journal of Physics Condensed Matter, 2005, 17, 2741-2747.	0.7	48
44	Superconductivity and magnetism in DyNi <sub>2</sub> B <sub>2</sub> C single crystals. Physical Review B, 1995, 52, 9186-9189.	1.1	47
45	Electronic Texture of the Thermoelectric Oxide Na <sub>0.75</sub> CoO <sub>2</sub> . Physical Review Letters, 2008, 100, 096405.	2.9	47
46	Structural and magnetic investigations of single-crystalline neodymium zirconate pyrochlore $\text{Nd}_2\text{O}_7$ . Physical Review B, 2015, 91, .	1.2	47
47	Muon spin relaxation study of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ . Physical Review B, 2001, 63, .	1.1	46
48	Direct observation of attractive skyrmions and skyrmion clusters in the cubic helimagnet $\text{Cu}_2\text{O}$ . Physical Review B, 2018, 97, .	1.2	46
49	Low-temperature magnetoresistance and magnetic ordering in. Journal of Physics Condensed Matter, 1996, 8, 2967-2979.	0.7	44
50	Muon-spin-spectroscopy study of the penetration depth of $\text{FeTe}_{0.5}$ . Physical Review B, 2010, 81, .	1.1	44
51	Magnetization hysteresis and time decay measurements in $\text{FeSe}_{0.5}\text{Te}_{0.5}$ . Physical Review B, 2011, 84, .	1.1	44
52	Evidence for fluctuation in mean free path induced pinning. Physical Review B, 2011, 84, .	1.1	43
53	A New Monoclinic Perovskite Allotype in $\text{Pr}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ . Journal of Solid State Chemistry, 1996, 127, 276-282.	1.4	42
54	Growth of large single crystals of rare earth hexaborides. Journal of Crystal Growth, 2003, 256, 206-209.	0.7	42

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55	Role of electronic correlations on the phonon modes of MnO and NiO. Physical Review B, 2003, 68, . Multiferroic properties and magnetic structure of Sm $\times$ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow </mml:mrow><mml:mn>1</mml:mn><mml:mo>^</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mrow></mml:mrow></mml:math>	1.1	42
56	Large, high quality single-crystals of the new Topological Kondo Insulator, SmB6. Scientific Reports, 2013, 3, 3071.	1.6	42
57	First-order magnetic transition in Yb2Ti2O7. Physical Review B, 2014, 89, .	1.1	42
58	Magnetization process in the spin-ice compound Ho2Ti2O7. Physical Review B, 2003, 68, .	1.1	41
59	Magnetic phase diagram of magnetoelectric CuFeO2 in high magnetic fields. Physical Review B, 2009, 80, .	1.1	41
60	Coulomb spin liquid in anion-disordered pyrochlore Tb2Hf2O7. Nature Communications, 2017, 8, 892.	5.8	40
61	Superconducting and normal-state properties of the noncentrosymmetric superconductor Re $\times$ xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Re</mml:mi><mml:mn>16</mml:mn></mml:msub></mml:mrow></mml:math>	1.6	40
62	Single crystals of the anisotropic Kagom $\text{\AA}$ staircase compounds Ni3V2O8 and Co3V2O8. Journal of Physics Condensed Matter, 2004, 16, L347-L350.	0.7	39
63	Influence of columnar defects on vortex dynamics in Bi2Sr2CaCu2O8 from out-of-plane and flux transformer transport measurements. Physical Review B, 1996, 53, 14611-14620.	1.1	38
64	Low-temperature magnetic ordering in SrEr $\times$ display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SrEr</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>	1.1	38
65	Damage evolution on Sm and O sublattices in Au-implanted samarium titanate pyrochlore. Journal of Applied Physics, 2004, 95, 2866-2872.	1.1	37
66	Coexistence of the long-range and short-range magnetic order components in SrEr $\times$ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow </mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math>O $\times$ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow </mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:math>	1.1	37
67	Classification of the interlayer coupling in high-Tccuprates from low-field magnetization studies. Physical Review B, 1996, 53, 6752-6758.	1.1	36
68	Magnetic excitations in the XY-pyrochlore antiferromagnet Er2Ti2O7. Physical Review B, 2010, 82, .	1.1	36
69	Growth of single-crystals of rare-earth zirconate pyrochlores, $\times$ xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0008.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="italic">Ln</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:msub></mml:math>	1.1	36
70			

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73	Raman spectroscopic studies of CuFeO <sub>2</sub> at high pressures. <i>Vibrational Spectroscopy</i> , 2015, 81, 112-118.	1.2	35
74	Fermi surfaces in Kondo insulators. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 16LT01.	0.7	35
75	Calculating the Magnetic Anisotropy of Rare-Earth-Transition-Metal Ferrimagnets. <i>Physical Review Letters</i> , 2018, 120, 097202.	2.9	34
76	Observation of the peak effect in the superconductor Ca <sub>3</sub> Rh <sub>4</sub> Sn <sub>13</sub> . <i>Physical Review B</i> , 1997, 56, 8346-8350.	1.1	33
77	Magnetic phase diagrams of the Kagomé staircase compounds Co <sub>3</sub> V <sub>2</sub> O <sub>8</sub> and Ni <sub>3</sub> V <sub>2</sub> O <sub>8</sub> . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 145257.	0.7	33
78	Determination of the onset of bulk pinning and the low-temperature-irreversibility line in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + <i>t</i> . <i>Physical Review B</i> , 1996, 53, 14594-14600.	1.1	32
79	Generic phase diagram for vortex matter via a study of peak effect phenomenon in crystals of 2H-NbSe <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1998, 308, 25-32.	0.6	32
80	Probing cation antisite disorder in Gd <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> pyrochlore by site-specific near-edge x-ray-absorption fine structure and x-ray photoelectron spectroscopy. <i>Physical Review B</i> , 2004, 70, .	1.1	32
81	Elliptical hole pockets in the Fermi surfaces of unhydrated and hydrated sodium cobalt oxides. <i>Physical Review B</i> , 2007, 76, .	1.1	32
82	Synthesis and Characterization of Nanomaterials of the Topological Crystalline Insulator SnTe. <i>Crystal Growth and Design</i> , 2014, 14, 2009-2013.	1.4	32
83	Experimental signature of the attractive Coulomb force between positive and negative magnetic monopoles in spin ice. <i>Nature Physics</i> , 2016, 12, 661-666.	6.5	32
84	Increased lifetime of metastable skyrmions by controlled doping. <i>Physical Review B</i> , 2019, 100, .	1.1	32
85	Field-induced partial order in the spin ice dysprosium titanate. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s889-s891.	1.1	31
86	Rare-earth/transition-metal magnetic interactions in pristine and (Ni,Fe)-doped $\text{YCo}_5$ and $\text{GdCo}_5$ . <i>Physical Review Materials</i> , 2017, 1, .	0.9	31
87	Single crystal growth of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> using an infra-red image furnace. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 206, 148-154.	0.6	30
88	Single-crystal neutron-diffraction study of a structural phase transition induced by a magnetic field in La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , 1997, 55, R8622-R8625.	1.1	30
89	Stepwise amorphization of the flux-line lattice in Ca <sub>3</sub> Rh <sub>4</sub> Sn <sub>13</sub> : A peak-effect study. <i>Physical Review B</i> , 2000, 61, 12394-12403.	1.1	30
90	Optical conductivity studies of La <sub>3/2</sub> Sr <sub>1/2</sub> NiO <sub>4</sub> : Lattice effect on charge ordering. <i>Physical Review B</i> , 2001, 64, .	1.1	30

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91	Raman scattering study of Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x = 0.3, 0.5). Journal of Physics Condensed Matter, 2003, 15, 3333-3342.	0.7	30
92	Magnetisation Studies of Geometrically Frustrated Antiferromagnets Sr <sub>2</sub> Ln <sub>2</sub> O <sub>4</sub> , with Ln = Er, Dy, and Ho. Journal of the Physical Society of Japan, 2012, 81, 024708.	0.7	30
93	Regions of enhanced pinning in the mixed state of the superconductor Yb <sub>3</sub> Rh <sub>4</sub> Sn <sub>13</sub> . Physica C: Superconductivity and Its Applications, 1997, 280, 1-8.	0.6	29
94	Neutron-powder-diffraction study of the magnetic and structural properties of Pr <sub>0.6</sub> (Ca <sub>1-x</sub> Sr <sub>x</sub> ) <sub>0.4</sub> MnO <sub>3</sub> (0 < x < 1). Physical Review B, 1998, 58, 8694-8703.	1.1	29
95	Oxygen moment formation and canting in Li <sub>2</sub> CuO <sub>2</sub> . Physical Review B, 2003, 68, .	1.1	29
96	Investigation of the spin density wave in Na <sub>x</sub> CoO <sub>2</sub> . Journal of Physics Condensed Matter, 2005, 17, 707-718.	0.7	29
97	Pressure-induced change in the magnetic modulation of CeRhIn <sub>5</sub> . Physical Review B, 2002, 66, . Electronic structure of the kagome staircase compounds Ni	1.1	28
98	Electronic structure of the kagome staircase compounds Ni	1.1	28
99	Electronic structure of the kagome staircase compounds Ni		



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109	structure study of the pyrochlore $Yb_2Ti_2O_7$ . Physical Review B, 2010, 82, .	1.1	26
110	Disorder and Quantum Spin Ice. Physical Review X, 2017, 7, .	2.8	26
111	Multiple magnetization peaks in weakly pinned $Ca_3Rh_4Sn_{13}O_{27}$ . Physical Review B, 2001, 64, .	1.1	25
112	Magnetic properties of tapiolite (FeTa <sub>2</sub> O <sub>6</sub> ); a quasi two-dimensional (2D) antiferromagnet. Journal of Physics Condensed Matter, 2004, 16, 7837-7852.	0.7	25
113	Spin, orbital ordering, and magnetic dynamics of $LaVO_3$ . Magnetization, heat capacity, and neutron scattering studies. Physical Review B, 2008, 78, .	1.1	25
114	Magnetic field-induced ordering in SrDy <sub>2</sub> O <sub>4</sub> . Journal of Physics Condensed Matter, 2013, 25, 256001.	0.7	25
115	angle-resolved susceptibility function of $2H-TaSe_2$ . Physical Review B, 2019, 100, .	1.1	25
116	Evidence for dynamic kagome ice. Nature Communications, 2018, 9, 3786.	5.8	25
117	Lattice dynamics and Raman spectrum of $BaZrO_3$ single crystals. Physical Review B, 2019, 100, .	1.1	25
118	Single crystal growth of $BaZrO_3$ from the melt at 2700 Å°C using optical floating zone technique and growth prospects from $BaB_2O_4$ flux at 1350 Å°C. CrystEngComm, 2019, 21, 502-512.	1.3	25
119	Proximity-induced ferromagnetism and chemical reactivity in few-layer $VSe_2$ heterostructures. Physical Review B, 2020, 101, .	1.1	25
120	Field-induced segregation of ferromagnetic nanodomains in $Pr_{0.5}Sr_{0.5}MnO_3$ detected by <sup>55</sup> Mn NMR. Physical Review B, 2000, 61, 5924-5927.	1.1	24
121	Magnetic correlations in the spin ice $Ho_2xYxTi_2O_7$ as revealed by neutron polarization analysis. Physical Review B, 2010, 82, .	1.1	24
122	Titanium pyrochlore magnets: how much can be learned from magnetization measurements?. Journal of Physics Condensed Matter, 2011, 23, 164218.	0.7	24
123	Thermometers for low temperature Magic Angle Spinning NMR. Journal of Magnetic Resonance, 2010, 204, 169-172.	1.2	23
124	Spin dynamics in the hyperkagome compound $Gd_3O_2$ . Physical Review B, 2010, 82, .	1.1	23
125	Direct observation of the energy gain underpinning ferromagnetic superexchange in the electronic structure of $CrGeTe_3$ . Physical Review B, 2020, 101, .	1.1	23



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127	Neutron diffraction and magnetisation studies of Sr <sub>2</sub> RuO <sub>4</sub> below 2 K. Physica C: Superconductivity and Its Applications, 1996, 265, 251-257.	0.6	21
128	Influence of pressure on structural and magnetic phase transitions in La <sub>0.835</sub> Sr <sub>0.165</sub> MnO <sub>3</sub> . Physical Review B, 1997, 56, 2285-2287.	1.1	21
129	Magnetic properties of (Pr(Ca,â€¢Sr))MnO <sub>3</sub> studied by nuclear magnetic resonance. Journal of Applied Physics, 1998, 83, 7151-7153.	1.1	21
130	O(Mn) vibrational bands in double-layered manganites: First and second order Raman scattering. Physical Review B, 2001, 63, .	1.1	21
131	High quality single crystals of the Sr <sub>2</sub> O <sub>4</sub> family of frustrated magnets. Journal of Physics Condensed Matter, 2009, 21, 012202.	0.7	21
132	Chiral singlet superconductivity in the weakly correlated metal LaPt <sub>3</sub> P. Nature Communications, 2021, 12, 2504.	5.8	21
133	Superconducting Quantum Interference in Twisted van der Waals Heterostructures. Nano Letters, 2021, 21, 6725-6731.	4.5	21
134	Origin of skyrmion lattice phase splitting in Zn-substituted $Cu_{1-x}Mn_x$ . Physical Review Materials, 2018, 2, .	2.1	21
135	Ultrasonic and magnetic studies of Nd <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . Physical Review B, 2000, 62, R6104-R6107.	1.1	20
136	<sup>55</sup> Mn NMR investigation of Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (0.1 < x < 0.5). Physical Review B, 2002, 66, .	1.1	20
137	Damage accumulation and amorphization in samarium titanate pyrochlore. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 89-94.	0.6	20
138	Phase inhomogeneities in the charge-orbital-ordered manganite $Nd_{0.5}Sr_{0.5}MnO_3$ through polaron dynamics. Physical Review B, 2007, 76, .	1.1	20
139	Two-gap superconductivity in Lu <sub>2</sub> Fe <sub>3</sub> Si <sub>5</sub> : A transverse-field muon spin rotation study. Physical Review B, 2011, 83, .	1.1	20
140	The ac Josephson relation and inhomogeneous temperature distributions in large Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> +I <sup>+</sup> mesas for THz emission. Superconductor Science and Technology, 2013, 26, 085016.	1.8	20
141	Magnetic properties of geometrically frustrated SrGd <sub>2</sub> O <sub>4</sub> . Physical Review B, 2014, 90, .	1.1	20
142	Magnetic phases of skyrmion-hosting $GaV_4S_8$ . Physical Review B, 2017, 95, 014407.	1.1	20

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145	Vibrational anomalies in the superconducting compound La <sub>1.85</sub> Ba <sub>0.15</sub> CuO <sub>4</sub> . Nature, 1987, 327, 45-47.	13.7	18
146	Rare earth hexaborides: large single crystals. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 601-602.	1.0	18
147	Field induced magnetic order in the frustrated magnet gadolinium gallium garnet. Journal of Physics: Conference Series, 2009, 145, 012026.	0.3	18
148	Intrinsic and extrinsic nonstationary field-driven processes in the spin-ice compound Dy <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . Physical Review B, 2011, 84, .	1.1	18
149	Complex spectral evolution in a BCS superconductor, ZrB <sub>12</sub> . Scientific Reports, 2013, 3, 3342.	1.6	18
150	Transverse field muon-spin rotation signature of the skyrmion-lattice phase in $\text{Cu}_{1-x}\text{Mn}_x\text{Ni}_2\text{S}_2$ . Physical Review B, 2015, 91, .		18
151	Unconventional magnetic behavior in $\text{R}_{1-x}\text{Sr}_x\text{MnO}_3$ . Physical Review B, 2004, 69, 014407.		18

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163	Multigap superconductivity in chiral noncentrosymmetric $\text{TaRhB}_2$ . Physical Review B, 2018, 98, .	1.1	16
164	Topological defect-mediated skyrmion annihilation in three dimensions. Communications Physics, 2021, 4, .	2.0	16
165	Magnetic phase diagram of anisotropic superconductor $2\text{H-NbSe}_2$ . Physica B: Condensed Matter, 1997, 237-238, 315-317.	1.3	15
166	Re-entrant peak effect in an anisotropic superconductor $2\text{H-NbSe}_2$ : Role of disorder. Europhysics Letters, 1998, 44, 91-97.	0.7	15
167	Volume and Anisotropic Spontaneous Striction in Layered Manganites: Role of Charge Localization and Magnetic Interactions. Physical Review Letters, 2000, 84, 995-998.	2.9	15
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