

Satyabrata Patnaik

List of Publications by Year in descending order

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175
papers

4,431
citations

186265

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times ranked

3677
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#	ARTICLE	IF	CITATIONS
1	Chiral anomaly induced negative magnetoresistance and weak anti-localization in Weyl semimetal $\text{Bi}_{0.97}\text{Sb}_{0.03}$ alloy. Journal of Physics Condensed Matter, 2022, 34, 055601.	1.8	3
2	Structural and weak antilocalization analysis of topological single-crystal SnSb_2Te_4 . Journal of Alloys and Compounds, 2022, 895, 162553.	5.5	6
3	Emergence of magnetoelectric-relaxor phase in $\text{La}_3\text{Ni}_2\text{TaO}_9$. Journal of Magnetism and Magnetic Materials, 2022, 546, 168825.	2.3	2
4	Thermoelectric properties of $\text{Fe}_{1.5}\text{TiSb}_{1-x}\text{Sn}$ and $\text{Fe}_{1.5}\text{Ti}_{1-y}\text{Sb}$ Heusler alloys. Materials Today: Proceedings, 2021, 44, 3463-3466.	1.8	1
5	High field magneto-transport of mixed topological insulators $\text{Bi}_2\text{Se}_3-x\text{Tex}$ ($x = 0, 1, 2$ & 3). Solid State Communications, 2021, 323, 114097.	1.9	6
6	The pressure-enhanced superconducting phase of $\text{Sr}_x\text{Bi}_{2-x}\text{Se}_3$ probed by hard point contact spectroscopy. Scientific Reports, 2021, 11, 4090.	3.3	3
7	Control of magnetization dynamics by substrate orientation in YIG thin films. Materials Research Express, 2021, 8, 066401.	1.6	7
8	Superconductivity with Topological Non-trivial Surface States in NbC. Journal of Superconductivity and Novel Magnetism, 2021, 34, 2717-2724.	1.8	7
9	Effect of Magnetic (Nd) Doping on Electrical and Magnetic Properties of Topological Sb_2Te_3 Single Crystal. Journal of Superconductivity and Novel Magnetism, 2021, 34, 2463-2469.	1.8	5
10	Structural and superconducting analysis of topologically non-trivial alloy of $\text{Sn}_{1-x}\text{Sb}_x$ ($x=0.4, 0.5$). Journal of Superconductivity and Novel Magnetism, 2021, 34, 2463-2469.	4.0	3
11	Magnetoresistance and scaling laws in type-II Weyl semimetal WP2. Physica B: Condensed Matter, 2021, 616, 413062.	2.7	2
12	Magneto-dielectric coupling and non-ergodic electrical behaviour in hexagonal $\text{Sr}_{0.6}\text{Ba}_{0.4}\text{MnO}_3$ via local strain driven magnetic ordering. Journal of Magnetism and Magnetic Materials, 2020, 497, 165972.	2.3	1
13	Effect of La-doping on dielectric properties and energy storage density of lead-free Ba($1-x$) $\text{Ca}_x\text{Ti}_2\text{O}_7$. Journal of Magnetism and Magnetic Materials, 2020, 497, 165972.	5.2	18
14	Strong spin depolarization in the ferromagnetic Weyl semimetal Co_3S_2 : Role of spin-orbit coupling. Physical Review B, 2020, 102, .	3.2	10
15	Magnetotransport study in type-II Weyl semimetal TaIrTe_4 . AIP Conference Proceedings, 2020, , .	0.4	0
16	Magnetic and transport properties of off-stoichiometry $\text{Fe}_{2-x}\text{TiSn}$ ($x=0.0, 0.02, 0.04$) based Heusler alloys. AIP Conference Proceedings, 2020, , .	0.4	0
17	Magnetoelectric response in honeycomb antiferromagnet $\text{Fe}_4\text{NbTaO}_9$. Journal of Magnetism and Magnetic Materials, 2020, 515, 167305.	2.3	2
18	Breakdown of Ohm's law and nontrivial Berry phase in magnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. Journal of Physics Condensed Matter, 2020, 32, 405602.	1.8	13

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19	Growth and characterization of MnBi ₂ Te ₄ magnetic topological insulator. AIP Conference Proceedings, 2020, , .	0.4	0
20	Hikami-Larkin-Nagaoka (HLN) fitting of magneto transport of Bi ₂ Se ₃ single crystal in different magnetic field ranges. AIP Conference Proceedings, 2020, , .	0.4	0
21	Crystal Growth and Characterization of Possible New Magnetic Topological Insulators FeBi ₂ Te ₄ . Journal of Superconductivity and Novel Magnetism, 2020, 33, 2251-2256.	1.8	14
22	Synthesis and magnetodielectric properties of arc melted Fe ₄ Nb ₂ O ₉ . AIP Conference Proceedings, 2020, , .	0.4	0
23	Superconducting properties of misfit layered ferecrystals (SnSe) _{1.16} (NbSe ₂). AIP Conference Proceedings, 2020, , .	0.4	0
24	Structural and magnetization dynamic properties of single crystalline Bi-doped YIG thin film grown on GGG substrate having different planes. AIP Conference Proceedings, 2020, , .	0.4	0
25	Superconductivity by Nb intercalation in the layered topological insulator Bi ₂ Se ₃ . AIP Conference Proceedings, 2019, , .	0.4	1
26	Magneto-transport properties of magnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . AIP Conference Proceedings, 2019, , .	0.4	1
27	Reduction in thermal conductivity of n-type ZrNiPb- based half-Heusler compounds via compositional engineering approach. AIP Conference Proceedings, 2019, , .	0.4	2
28	Exceptional magnetoresistance in Weyl semimetal TaP. AIP Conference Proceedings, 2019, , .	0.4	1
29	Flux free single crystal growth and detailed physical property characterization of Bi _{1-x} Sb _x (x = 0.05, 0.1 and 0.15) topological insulator. Materials Research Express, 2019, 6, 106102.	1.6	12
30	Structural, surface morphology and magneto-transport properties of self flux grown Eu doped Bi ₂ Se ₃ single crystal. Materials Research Express, 2019, 6, 096107.	1.6	2
31	Hydrostatic Pressure Effect on the Pinning Mechanism of BiPd Noncentrosymmetric Superconductors. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900344.	2.4	3
32	Structural and magnetic properties of high quality single crystalline YIG thin film: A comparison with the bulk YIG. AIP Conference Proceedings, 2019, , .	0.4	10
33	Magnetic and electronic properties of thin film heterostructure La _{0.8} Co _{0.2} MnO ₃ /SrRuO ₃ /PMNPT(110). AIP Conference Proceedings, 2019, , .	0.4	1
34	Growth, Characterization and High-Field Magneto-Conductivity of Co _{0.1} Bi ₂ Se ₃ Topological Insulator. Journal of Superconductivity and Novel Magnetism, 2019, 32, 769-777.	1.8	12
35	Multiband superconductivity in Mo_2Te_3 driven by a site-selective mechanism. Physical Review B, 2019, 99, .	2.8	14
36	Current Research and Future Prospective of Iron-Based Heusler Alloys as Thermoelectric Materials. Nanotechnologies in Russia, 2019, 14, 281-289.	0.7	2

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37	Crystal Growth and Basic Transport and Magnetic Properties of MnBi ₂ Te ₄ . Journal of Superconductivity and Novel Magnetism, 2019, 32, 3705-3709.	1.8	23
38	Origin of exceptional magneto-resistance in Weyl semimetal TaSb ₂ . Journal of Physics Communications, 2019, 3, 115007.	1.2	12
39	Nuanced superconductivity in endohedral gallide Mo ₈ Ga ₄₁ . Materials Research Express, 2019, 6, 016002.	1.6	9
40	Nature of magnetoelectric coupling in corundum antiferromagnet Co ₄ Ta ₂ O ₉ . Journal of Magnetism and Magnetic Materials, 2019, 475, 508-513.	2.3	12
41	Time-reversal symmetry breaking in topological superconductor Sr _{0.1} Bi ₂ Se ₃ . Physical Review Materials, 2019, 3, .	2.4	13
42	Crystal growth and characterization of bulk Sb ₂ Te ₃ topological insulator. Materials Research Express, 2018, 5, 046107.	1.6	22
43	Large magnetodielectric response in spinel Ni _{0.5} Co _{0.5} Cr ₂ O ₄ . AIP Conference Proceedings, 2018, , .	0.4	1
44	Magnetic structure driven ferroelectricity and large magnetoelectric coupling in antiferromagnet Co ₄ Nb ₂ O ₉ . Solid State Communications, 2018, 273, 39-43.	1.9	6
45	High spin state driven magnetism and thermoelectricity in Mn doped topological insulator Bi ₂ Se ₃ . Journal of Magnetism and Magnetic Materials, 2018, 456, 1-5.	2.3	14
46	Combined effect of oxygen annealing and La-doping in broadening the phase transition of Ba(Zr _{0.2} Ti _{0.8})O ₃ ceramics. Journal of Alloys and Compounds, 2018, 737, 561-567.	5.5	13
47	Low-energy excitations and non-BCS superconductivity in Nbx~Bi ₂ Se ₃ . Physical Review B, 2018, 98, .	3.2	15
48	Evidence of magnetodielectric effect in honeycomb oxide Na ₂ Co ₂ TeO ₆ . AIP Conference Proceedings, 2018, , .	0.4	7
49	Control of magnetization dynamics and magnetic properties of PLD deposited YIG thin films on different substrates. AIP Conference Proceedings, 2018, , .	0.4	0
50	Low temperature resistivity plateau and non-saturating magnetoresistance in Type-II Weyl semimetal WP ₂ . AIP Conference Proceedings, 2018, , .	0.4	1
51	High-Field Magneto-Conductivity Analysis of Bi ₂ Se ₃ Single Crystal. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3075-3078.	1.8	6
52	Suppression of transport spin-polarization of surface states with emergence of ferromagnetism in Mn-doped Bi ₂ Se ₃ . Journal of Physics Condensed Matter, 2018, 30, 355001.	1.8	6
53	Coexistence of charge density wave and superconductivity in Cu _{0.10} TiSe ₂ . AIP Conference Proceedings, 2018, , .	0.4	0
54	Facile synthesis of potassium intercalated p-terphenyl and signatures of a possible high T _c phase. Physica C: Superconductivity and Its Applications, 2018, 554, 1-7.	1.2	13

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55	Hikami-Larkin-Nagaoka (HLN) Treatment of the Magneto-Conductivity of Bi ₂ Te ₃ Topological Insulator. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2287-2290.	1.8	16
56	Synthesis and characterization of yttrium iron garnet (YIG) nanoparticles - Microwave material. AIP Advances, 2017, 7, .	1.3	45
57	Dramatic variation of the multiferroic properties in Sr doped Ca _{1-x} Sr _x Mn ₇ O ₁₂ . AIP Advances, 2017, 7, 055832.	1.3	6
58	Evidence for trivial Berry phase and absence of chiral anomaly in semimetal NbP. Scientific Reports, 2017, 7, 46062.	3.3	23
59	YIG based broad band microwave absorber: A perspective on synthesis methods. Journal of Magnetism and Magnetic Materials, 2017, 439, 277-286.	2.3	33
60	Exceptional magneto-resistance in 3D Dirac semimetal Bi _{0.96} Sb _{0.04} . AIP Conference Proceedings, 2017, , .	0.4	0
61	Unusual non saturating Giant Magneto-resistance in single crystalline Bi ₂ Te ₃ topological insulator. Journal of Magnetism and Magnetic Materials, 2017, 428, 213-218.	2.3	33
62	Possibility for conventional superconductivity in Sr _{0.1} Bi ₂ Se ₃ from high-pressure transport studies. Europhysics Letters, 2017, 118, 47008.	2.0	9
63	Study of multiferrocity in Ba ₃ NbFe ₃ Si ₂ O ₁₄ . AIP Conference Proceedings, 2017, , .	0.4	0
64	Synthesis and characterization of binary intermetallic superconductor Mo ₈ Ga ₄ 1. AIP Conference Proceedings, 2017, , .	0.4	2
65	Magnetodielectric effect in Eu _{0.75} Y _{0.25} MnO ₃ . AIP Conference Proceedings, 2017, , .	0.4	0
66	Evolution of relaxor properties in lanthanum (La) doped barium zirconate titanate. Ferroelectrics, 2017, 517, 8-13.	0.6	13
67	Hidden transition in multiferroic and magnetodielectric CuCrO ₂ evidenced by ac-susceptibility. Europhysics Letters, 2017, 118, 27008.	2.0	4
68	Enhanced ferromagnetism in edge enriched holey/lacey reduced graphene oxide nanoribbons. Materials and Design, 2017, 132, 295-301.	7.0	13
69	Synthesis and characterization of indium doped La ₃ Co ₄ Sn ₁₃ skutterudite superconductor. AIP Conference Proceedings, 2016, , .	0.4	3
70	Synthesis, microstructure and dielectric properties of zirconium doped barium titanate. AIP Conference Proceedings, 2016, , .	0.4	4
71	Emergence of superconductivity in topological insulator Bi ₂ Se ₃ by Sr intercalation. AIP Conference Proceedings, 2016, , .	0.4	4
72	Short range ferromagnetic, magneto-electric, and magneto-dielectric effect in ceramic Co ₃ TeO ₆ . Journal of Applied Physics, 2016, 119, .	2.5	16

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73	Possible superconductivity in Weyl semimetal NbP. AIP Conference Proceedings, 2016, , .	0.4	4
74	High temperature magneto-electric effect in yttrium iron garnet (YIG). AIP Conference Proceedings, 2016, , .	0.4	1
75	Single gap s-wave superconductivity in Nb ₂ Pd ₅ S ₅ . Physica C: Superconductivity and Its Applications, 2016, 524, 24-27.	1.2	3
76	Synthesis and characterization of Bi deficient Bi ₃ Ni superconductor. AIP Conference Proceedings, 2016, , .	0.4	0
77	Pressure effects on topological crystalline insulator SnTe and derived superconductor Sn _{0.5} In _{0.5} Te. AIP Conference Proceedings, 2016, , .	0.4	0
78	Evolution of microstructure and relaxor ferroelectric properties in (La _z Ba _{1-\hat{z}})(Ti _{0.80} Sn _{0.20})O ₃ . Journal of Alloys and Compounds, 2016, 687, 197-203.	5.5	22
79	Weak ferromagnetism in a noncentrosymmetric BiPd 4 K superconductor. Superconductor Science and Technology, 2016, 29, 025008.	3.5	11
80	Improved superconducting properties of La ₃ Co ₄ Sn ₁₃ with indium substitution. Journal of Alloys and Compounds, 2016, 665, 333-338.	5.5	8
81	Magneto-electric coupling in Ca ₃ CoMnO ₆ thin films. Journal of Magnetism and Magnetic Materials, 2016, 400, 282-285.	2.3	3
82	Superconductivity by Sr intercalation in the layered topological insulator Bi ₂ Te ₃ . Physical Review B, 2015, 92, .	2.2	11
83	Optical and electrical properties of Ca ₃ CoMnO ₆ thin films grown by pulsed laser deposition. AIP Conference Proceedings, 2015, , .	0.4	1
84	Anti-ferromagnetism through Mn doping in topological insulator Bi ₂ Se ₃ . AIP Conference Proceedings, 2015, , .	0.4	1
85	Effect of dilution of both A- and B- sites on the multiferroic properties of spinal Mott insulators. Materials Research Express, 2015, 2, 076501.	1.6	3
86	Anisotropy in upper critical field of FeTe _{0.55} Se _{0.45} . AIP Conference Proceedings, 2015, , .	0.4	1
87	Synthesis and characterization of La ₃ Co ₄ Sn ₁₃ superconductor. AIP Conference Proceedings, 2015, , .	0.4	1
88	Effect of pressure on superconductivity in the indium-doped topological crystalline insulator SnTe. Journal of Physics Condensed Matter, 2015, 27, 242201.	1.8	3
89	Improper ferroelectricity in helicoidal antiferromagnet Cu ₃ Nb ₂ O ₈ . Solid State Communications, 2015, 203, 54-57.	1.9	7
90	Structural, electromagnetic and thermoelectric properties of Bi ₄ O ₄ S ₃ superconductor. Superconductor Science and Technology, 2014, 27, 055001.	3.5	18

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91	Design and calibration of Z-meter for simultaneous thermal transport measurements at high temperature. , 2014, , .		0
92	Ferromagnetism through Cr doping in topological insulator Bi ₂ Te ₃ . , 2014, , .		1
93	Superconductivity in In doped topological crystalline insulator SnTe. , 2014, , .		2
94	Unusual multiferroicity in Cu ₃ Nb ₂ O ₈ . AIP Conference Proceedings, 2014, , .	0.4	1
95	Effect of O ²⁻ and Mn ²⁺ Doping on Superconductivity in FeTe _{0.5} Se _{0.5} Superconductor. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1159-1163.	1.2	5
96	Superconducting properties of indium-doped topological crystalline insulator SnTe. Europhysics Letters, 2014, 108, 37010.	2.0	18
97	Evidence for multiferroic characteristics in NdCrTiO ₅ . Journal of Magnetism and Magnetic Materials, 2014, 360, 34-37.	2.3	20
98	Magnetic entropy change and critical exponents in double perovskite NiMnO_2 . Journal of Magnetism and Magnetic Materials, 2014, 368, 318-323.	2.3	24
99	Synthesis, Microstructure and Dielectric Properties of Tin Doped Barium Titanate. Advanced Science Letters, 2014, 20, 1551-1553.	0.2	1
100	Study of Ni and Zn doped CeOFeAs: Effect on the structural transition and specific heat capacity. Physica C: Superconductivity and Its Applications, 2013, 490, 49-54.	1.2	2
101	Appearance of superconductivity in layered LaO _{0.5} F _{0.5} BiS ₂ . Solid State Communications, 2013, 157, 21-23.	1.9	109
102	Magnetism driven ferroelectricity above liquid nitrogen temperature in Y ₂ CoMnO ₆ . Applied Physics Letters, 2013, 103, .	3.3	84
103	Evidence for fully gapped strong coupling s-wave superconductivity in Bi ₄ O ₄ S ₃ . Journal of Physics Condensed Matter, 2013, 25, 312202.	1.8	19
104	Superconductivity in BiS ₂ based Bi ₄ O ₄ S ₃ novel compound. , 2013, , .		0
105	Study of transport and magnetic properties in new BiS ₂ based layered LaO _{0.5} F _{0.5} BiS ₂ superconductor. , 2013, , .		1
106	Role of magnetostriction in magnetoelectric properties of NdCrTiO ₅ . , 2013, , .		0
107	Possibility of spatial inversion symmetry breaking by magnetic ordering in Y ₂ CoMnO ₆ . , 2013, , .		0
108	Study of upper critical field in 1111-ferropnictide superconductors. , 2012, , .		2

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127	Effects of simultaneous carrier doping in the charge reservoir and conducting layers of superconducting $\text{CeO}_{0.9}\text{F}_{0.1}\text{Fe}_{1-x}\text{Co}_x\text{As}$. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 1928-1932.	1.2	8
128	Superconductivity at 31 Å ⁻³ K in Yb-doped La(O/F)FeAs superconductors. <i>Journal of Chemical Sciences</i> , 2010, 122, 43-46.	1.5	4
129	New oxypnictide superconductors: $\text{PrOFe}_{1-x}\text{Co}_x\text{As}$. <i>Journal of Solid State Chemistry</i> , 2010, 183, 338-343.	2.9	13
130	Yttrium doped $\text{La}_{1-x}\text{Y}_x\text{O}_{0.9}\text{F}_{0.1}\text{FeAs}$ superconductors: Hall and thermopower studies. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 511-515.	1.2	1
131	Anomalous Raman scattering from phonons and electrons of superconducting. <i>Solid State Communications</i> , 2010, 150, 557-560.	1.9	53
132	Magnetoelectric coupling in $\text{Ca}_3\text{CoMnO}_6$. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	34
133	Coexistence of strong ferromagnetism and polar switching at room temperature in $\text{Fe}_3\text{O}_4/\text{BiFeO}_3$ nanocomposite thin films. <i>Applied Physics Letters</i> , 2010, 97, 153121.	3.3	26
134	Dominance of magnetoelastic coupling in multiferroic hexagonal YMnO_3 . <i>Physical Review B</i> , 2010, 81, .	3.2	46
135	Effect of epitaxial strain on the magneto-electric coupling of YMnO_3 thin films. <i>Journal of Applied Physics</i> , 2009, 106, 014109.	2.5	11
136	Enhancement in transition temperature and upper critical field of $\text{CeO}_{0.8}\text{F}_{0.2}\text{FeAs}$ by yttrium doping. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	16
137	Field-dependent competing magnetic ordering in multiferroic $\text{Ni}_3\text{V}_2\text{O}_8$. <i>Europhysics Letters</i> , 2009, 86, 57001.	2.0	13
138	Enhancement of the superconducting transition temperature and upper critical field of $\text{LaO}_{0.8}\text{F}_{0.2}\text{FeAs}$ with antimony doping. <i>Superconductor Science and Technology</i> , 2009, 22, 045017.	3.5	21
139	Upper critical field, superconducting energy gaps and the Seebeck coefficient in $\text{La}_{0.8}\text{Th}_{0.2}\text{FeAsO}$. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 175705.	1.8	23
140	Compositionally controlled semimetal to superconducting transition in NaF doped LaOFeAs : Enhancement in T_c due to Na-doping. <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 300-304.	1.2	3
141	Superconductivity at 11.3 K induced by cobalt doping in CeFeAsO . <i>Solid State Communications</i> , 2009, 149, 181-183.	1.9	32
142	Superconductivity in $\text{CeO}_{1-x}\text{F}_x\text{FeAs}$ with upper critical field of 94T. <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 82-85.	1.2	26
143	Synthesis and Characterization of Ferromagnetic Cobalt Nanospheres, Nanodiscs and Nanocubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5627-5632.	0.9	11
144	Magnetic field dependence of vortex activation energy: A comparison between MgB_2 , NbSe_2 and $\text{Bi}_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ superconductors. <i>Pramana - Journal of Physics</i> , 2008, 71, 1335-1343.	1.8	27

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145	Substantial magnetoelectric coupling near room temperature in Bi ₂ Fe ₄ O ₉ . Applied Physics Letters, 2008, 92, .	3.3	147
146	Control of Magnetism in Cobalt Nanoparticles by Oxygen Passivation. Journal of Physical Chemistry C, 2008, 112, 13882-13885.	3.1	32
147	Ferromagnetism and metal-semiconducting transition in Fe-doped ZnO thin films. Journal Physics D: Applied Physics, 2008, 41, 155002.	2.8	47
148	Potassium fluoride doped LaOFeAs multi-band superconductor: Evidence of extremely high upper critical field. Europhysics Letters, 2008, 84, 57003.	2.0	22
149	Magnetoelectric properties of Bi _x Co _{2-2x} MnO ₄ (x=0.3). Applied Physics Letters, 2008, 92, .	3.3	34
150	Intergrain Connectivity and Resistive Broadening in Vortex State: A Comparison Between MgB ₂ , NbSe ₂ and Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ Superconductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 3016-3019.	1.7	3
151	Modification of intergrain connectivity, upper critical field anisotropy and critical current density in ion irradiated MgB ₂ films. Physica C: Superconductivity and Its Applications, 2006, 442, 73-78.	1.2	14
152	Improved upper critical field in bulk-form magnesium diboride by mechanical alloying with carbon. Applied Physics Letters, 2005, 86, 202502.	3.3	164
153	Thermally activated current transport in MgB ₂ films. Physical Review B, 2004, 70, .	3.2	38
154	Very high upper critical fields in MgB ₂ produced by selective tuning of impurity scattering. Superconductor Science and Technology, 2004, 17, 278-286.	3.5	281
155	Microstructure and J _c improvements in overpressure processed Ag-sheathed Bi-2223 tapes. IEEE Transactions on Applied Superconductivity, 2003, 13, 2921-2925.	1.7	11
156	Critical current limiting factors in post annealed (Bi; Pb) ₂ /Sr ₂ /Ca ₂ /Cu ₃ O _x tapes. IEEE Transactions on Applied Superconductivity, 2003, 13, 3018-3021.	1.7	37
157	Local measurement of current density by magneto-optical current reconstruction in normally and overpressure processed Bi-2223 tapes. IEEE Transactions on Applied Superconductivity, 2003, 13, 2930-2933.	1.7	23
158	Significant enhancement of irreversibility field in clean-limit bulk MgB ₂ . Applied Physics Letters, 2002, 81, 4577-4579.	3.3	56
159	Interfacial structure of epitaxial MgB ₂ thin films grown on (0001) sapphire. Applied Physics Letters, 2002, 81, 685-687.	3.3	33
160	Synthesis and properties of c-axis oriented epitaxial MgB ₂ thin films. Applied Physics Letters, 2002, 81, 1851-1853.	3.3	85
161	Flux Flow of Abrikosov-Josephson Vortices along Grain Boundaries in High-Temperature Superconductors. Physical Review Letters, 2002, 88, 097001.	7.8	105
162	Examination of current limiting mechanisms in monocoresh Bi ₂ /Sr ₂ /Ca ₂ /Cu ₃ O _x tape with high critical current density. IEEE Transactions on Applied Superconductivity, 2001, 11, 3269-3272.	1.7	19

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163	Radio frequency vortex dynamics in heavy ion irradiated (Bi ^δ Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ superconducting platelets. Physica C: Superconductivity and Its Applications, 2001, 349, 155-165.	1.2	1
164	Strongly linked current flow in polycrystalline forms of the superconductor MgB ₂ . Nature, 2001, 410, 186-189.	27.8	883
165	High critical current density and enhanced irreversibility field in superconducting MgB ₂ thin films. Nature, 2001, 411, 558-560.	27.8	477
166	Electronic anisotropy, magnetic field-temperature phase diagram and their dependence on resistivity inc-axis oriented MgB ₂ thin films. Superconductor Science and Technology, 2001, 14, 315-319.	3.5	157
167	Local Hall-probe-based susceptometry ofTl ₂ Ba ₂ CaCu ₂ O ₈ epitaxial films:â€fCritical state and flux dynamics in collinear ac and dc magnetic fields. Physical Review B, 2001, 63, .	3.2	9
168	Vortex phases andc-axis correlation in as-grown and heavy ion irradiated Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ +deltatapes: a flux transformer experiment. Superconductor Science and Technology, 2000, 13, 337-342.	3.5	0
169	Apparatus for vortex dynamics studies in high T _c samples using close cycle refrigerator and rf oscillators. Review of Scientific Instruments, 1999, 70, 1494-1500.	1.3	28
170	Effects of granularity and strong pinning on high frequency vortex dynamics in (Bi ^δ Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ superconducting platelets. Solid State Communications, 1999, 113, 109-113.	1.9	1
171	Anisotropy dominated radio frequency vortex dynamics in Bi ₂ Sr ₂ CaCu ₂ O ₈ thick film on silver tapes. Physica C: Superconductivity and Its Applications, 1999, 325, 210-219.	1.2	0
172	Radio frequency vortex dynamics in oriented platelets of (Bi ^δ Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ superconductor. Physica C: Superconductivity and Its Applications, 1998, 309, 221-230.	1.2	4
173	An X-ray RDF study of the glass 30AgI-45Ag ₂ O-25V ₂ O ₅ . Solid State Ionics, 1993, 59, 229-233.	2.7	8
174	A Structural Study on AgI ^δ Ag ₂ O ^δ CrO ₃ Glass. Journal of the Physical Society of Japan, 1993, 62, 536-543.	1.6	0
175	Superconductivity and weak anti-localization in nodal-line semimetal SnTaS ₂ . Superconductor Science and Technology, 0, , .	3.5	0