Michael Eisterer

List of Publications by Year
in descending order

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219	5,080	117453	118652
papers	citations	34 h-index	62 g-index

221	221	221	3170
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	1.2	424
2	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	1.2	367
3	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	1.4	346
4	Magnetic properties and critical currents of MgB₂. Superconductor Science and Technology, 2007, 20, R47-R73.	1.8	285
5	Mixed-state properties of superconductingMgB2single crystals. Physical Review B, 2002, 66, .	1.1	135
6	Current Percolation and Anisotropy in PolycrystallineMgB2. Physical Review Letters, 2003, 90, 247002.	2.9	134
7	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	1.2	108
8	Neutron irradiation of MgB2bulk superconductors. Superconductor Science and Technology, 2002, 15, L9-L12.	1.8	104
9	Calculation of the volume pinning force in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>MgB</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:ms Physical Review B, 2008, 77, .	1.1	91
10	Application potential of Fe-based superconductors. Superconductor Science and Technology, 2015, 28, 114005.	1.8	84
11	Fishtail effect in neutron-irradiated superconductingMgB2single crystals. Physical Review B, 2004, 69, .	1.1	74
12	Progress in the design of the superconducting magnets for the EU DEMO. Fusion Engineering and Design, 2018, 136, 1597-1604.	1.0	67
13	The effect of fast neutron irradiation on the superconducting properties of REBCO coated conductors with and without artificial pinning centers. Superconductor Science and Technology, 2018, 31, 044006.	1.8	59
14	Effects of neutron irradiation on pinning force scaling in state-of-the-art Nb₃Sn wires. Superconductor Science and Technology, 2014, 27, 015005.	1.8	58
15	ÂMagnetoscanÂ: a modified Hall probe scanning technique for the detection of inhomogeneities in bulk high temperature superconductors. Superconductor Science and Technology, 2003, 16, 1282-1285.	1.8	57
16	Specific heat of MgB2after irradiation. Journal of Physics Condensed Matter, 2003, 15, 883-893.	0.7	57
17	Unusual effects of anisotropy on the specific heat of ceramic and single crystal MgB2. Physica C: Superconductivity and Its Applications, 2003, 385, 192-204.	0.6	54
18	Doping-dependent critical current properties in K, Co, and P-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BaF</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> single crystals. Physical Review B, 2017, 95, .	1.1	54

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19	In situMgB2round wires with improved properties. Superconductor Science and Technology, 2004, 17, S490-S495.	1.8	51
20	Influence of the upper critical-field anisotropy on the transport properties of polycrystalline MgB2. Journal of Applied Physics, 2005, 98, 033906.	1.1	49
21	Composite Cu/Fe/MgB2superconducting wires and MgB2/YSZ/Hastelloy coated conductors for ac and dc applications. Superconductor Science and Technology, 2003, 16, 297-305.	1.8	46
22	Overview of Progress on the EU DEMO Reactor Magnet System Design. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	46
23	Small grains: a key to high-field applications of granular Ba-122 superconductors?. Superconductor Science and Technology, 2016, 29, 025004.	1.8	44
24	Unique defect structure and advantageous vortex pinning properties in superconducting CaKFe4As4. Npj Quantum Materials, 2019, 4, .	1.8	43
25	Suitability of coated conductors for fusion magnets in view of their radiation response. Superconductor Science and Technology, 2015, 28, 014005.	1.8	40
26	Limitations for the trapped field in large grain YBCO superconductors. Superconductor Science and Technology, 2006, 19, S530-S536.	1.8	39
27	Enhanced transport currents in Cu-sheathed MgB2 wires. Superconductor Science and Technology, 2002, 15, 1088-1091.	1.8	38
28	Magnetic field dependence of the reversible mixed-state properties of superconductingMgB2single crystals and the influence of artificial defects. Physical Review B, 2004, 70, .	1.1	38
29	Nanostructural inhomogeneities acting as pinning centers in bulk MgB₂with low and enhanced grain connectivity. Superconductor Science and Technology, 2014, 27, 044013.	1.8	38
30	Advance in the conceptual design of the European DEMO magnet system. Superconductor Science and Technology, 2020, 33, 044013.	1.8	38
31	MgB2 superconductors for applications. Physica C: Superconductivity and Its Applications, 2003, 387, 153-161.	0.6	37
32	Universal influence of disorder on MgB2wires. Superconductor Science and Technology, 2007, 20, 117-122.	1.8	36
33	Radiation effects on iron-based superconductors. Superconductor Science and Technology, 2018, 31, 013001.	1.8	35
34	Irreversible degradation of Nb₃Sn Rutherford cables due to transverse compressive stress at room temperature. Superconductor Science and Technology, 2018, 31, 065009.	1.8	35
35	The CERN FCC Conductor Development Program: A Worldwide Effort for the Future Generation of High-Field Magnets. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-9.	1.1	35
36	Coexisting spin resonance and long-range magnetic order of Eu in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>EuRbFe</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>Physical Review B, 2019, 100, .	1.1	34

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37	Peculiarities of the electronic transport in half-metallic Co-based Heusler alloys. Journal of Magnetism and Magnetic Materials, 2018, 459, 211-214.	1.0	33
38	The role of uranium chemistry and uranium fission in obtaining ultra-high in textured Y123. Superconductor Science and Technology, 1998, 11, 959-962.	1.8	32
39	Anisotropic critical currents in FeSe_{0.5}Te_{0.5}films and the influence of neutron irradiation. Superconductor Science and Technology, 2011, 24, 065016.	1.8	32
40	Thickness dependence of the critical current density in superconducting films: A geometrical approach. Applied Physics Letters, 2010, 96, .	1.5	30
41	Neutron irradiation of coated conductors. Superconductor Science and Technology, 2010, 23, 014009.	1.8	29
42	Round robin measurements of the flux trapping properties of melt processed Smâ€“Baâ€“Cuâ€“O bulk superconductors. Physica C: Superconductivity and its Applications, 2004, 412-414, 623-632.	0.6	28
43	Distinct doping dependence of critical temperature and critical current density in Ba1â^'xKxFe2As2 superconductor. Scientific Reports, 2016, 6, 26671.	1.6	27
44	Improvement of critical current densities by fission tracks in U-doped high temperature superconductors. Superconductor Science and Technology, 1998, 11, 1001-1005.	1.8	26
45	Reversible magnetization of the two-bandMgB2superconductor: A phenomenological approach. Physical Review B, 2005, 72, .	1.1	26
46	Synthesis Pressureâ€“Temperature Effect on Pinning in MgB2-Based Superconductors. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1569-1576.	0.8	25
47	Kinetic Properties and Half-Metallic Magnetism in Mn2YAl Heusler Alloys. Journal of Experimental and Theoretical Physics, 2019, 128, 919-925.	0.2	25
48	Ti and Zr doped MgB2bulk superconductors. Journal of Physics: Conference Series, 2006, 43, 500-504.	0.3	24
49	Anisotropic reversible mixed-state properties of superconducting carbon-dopedMg(B1â^'xCx)2single crystals. Physical Review B, 2006, 74, .	1.1	24
50	Assessing the spatial and field dependence of the critical current density in YBCO bulk superconductors by scanning Hall probes. Superconductor Science and Technology, 2009, 22, 025011.	1.8	24
51	YBCO Coated Conductors for Fusion Magnets. IEEE Transactions on Applied Superconductivity, 2009, 19, 1532-1535.	1.1	23
52	Flux pinning in Al doped TSMG YBCO bulk superconductors. Superconductor Science and Technology, 2009, 22, 105001.	1.8	23
53	Orbital and spin magnetic moments of transforming one-dimensional iron inside metallic and semiconducting carbon nanotubes. Physical Review B, 2013, 87, .	1.1	23
54	Nickel clusters embedded in carbon nanotubes as high performance magnets. Scientific Reports, 2015, 5, 15033.	1.6	23

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55	Connectivity and critical currents in polycrystalline MgB₂. Superconductor Science and Technology, 2009, 22, 034016.	1.8	22
56	Effects of disorder on the superconducting properties of BaFe_{1.8}Co_{0.2}As₂single crystals. Superconductor Science and Technology, 2009, 22, 095011.	1.8	22
57	Higher borides and oxygen-enriched Mgâ€“Bâ€“O inclusions as possible pinning centers in nanostructural magnesium diboride and the influence of additives on their formation. Physica C: Superconductivity and Its Applications, 2010, 470, 935-938.	0.6	22
58	Assessment of the local supercurrent densities in long superconducting coated conductors. Applied Physics Letters, 2007, 90, 032506.	1.5	21
59	The effect of high-pressure synthesis on flux pinning in MgB2-based superconductors. Physica C: Superconductivity and Its Applications, 2012, 479, 111-114.	0.6	21
60	Performance Boost in Industrial Multifilamentary Nb3Sn Wires due to Radiation Induced Pinning Centers. Scientific Reports, 2015, 5, 10236.	1.6	21
61	n-Values of commercial YBCO tapes before and after irradiation by fast neutrons. Superconductor Science and Technology, 2015, 28, 035008.	1.8	21
62	Effects of introducing isotropic artificial defects on the superconducting properties of differently doped Ba-122 based single crystals. Scientific Reports, 2016, 6, 27783.	1.6	21
63	Round robin tests on large grain melt processed Smâ€“Baâ€“Cuâ€“O bulk superconductors. Superconductor Science and Technology, 2005, 18, S173-S179.	1.8	20
64	Characterization of Commercial YBCO Coated Conductors After Neutron Irradiation. IEEE Transactions on Applied Superconductivity, 2011, 21, 3162-3165.	1.1	20
65	Superior properties of SmBCO coated conductors at high magnetic fields and elevated temperatures. Physica C: Superconductivity and Its Applications, 2010, 470, 323-325.	0.6	19
66	Exchange coupling in a frustrated trimetric molecular magnet reversed by a 1D nano-confinement. Nanoscale, 2019, 11, 10615-10621.	2.8	19
67	Very high trapped fields in neutron irradiated and reinforced YBa2Cu3O7â˜Î´ melt-textured superconductors. Applied Physics Letters, 2002, 81, 868-870.	1.5	18
68	Influence of disorder onHc2-anisotropy and flux pinning in MgB2. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 1606-1614.	0.8	18
69	Anisotropy of the critical current in MgB2tapes made of high energy milled precursor powder. Superconductor Science and Technology, 2010, 23, 065011.	1.8	18
70	Influence of artificial pinning centers on structural and superconducting properties of thick YBCO films on ABAD-YSZ templates. Superconductor Science and Technology, 2018, 31, 044007.	1.8	18
71	High Magnetic Fields in Superconducting Permanent Magnets. Journal of Low Temperature Physics, 2003, 133, 159-179.	0.6	17
72	Study of inhomogeneities in the flux density distribution of big monolithic (RE)Ba2Cu3O7â˜Î´ melt-textured superconductors. Journal of Applied Physics, 2003, 93, 4734-4738.	1.1	17

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73	Simulation of the current dynamics in a superconductor induced by a small permanent magnet: application to the magnetoscan technique. Superconductor Science and Technology, 2006, 19, S429-S437.	1.8	17
74	The influence of post-growth thermal treatments on the critical current density of TSMG YBCO bulk superconductors. Superconductor Science and Technology, 2010, 23, 124002.	1.8	17
75	Mixed state properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Bi</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2010, 81, .	1.1	17
76	Interaction of vortices in anisotropic superconductors with isotropic defects. Superconductor Science and Technology, 2015, 28, 102001.	1.8	17
77	Neutron Irradiation Effects on A15 Multifilamentary Wires. IEEE Transactions on Applied Superconductivity, 2005, 15, 3414-3417.	1.1	16
78	Comparative study of neutron irradiation and carbon doping inMgB2single crystals. Physical Review B, 2007, 75, .	1.1	16
79	Effect of C and SiC additions into in situ or mechanically alloyed MgB2 deformed in Ti sheath. Physica C: Superconductivity and Its Applications, 2009, 469, 827-831.	0.6	16
80	Neutron irradiation of SmFeAsO_{1â^'x}F_x. Superconductor Science and Technology, 2009, 22, 065015.	1.8	16
81	Asymmetric angular dependence of Jc in coated conductors prior to and after fast neutron irradiation. Physica C: Superconductivity and Its Applications, 2010, 470, 1300-1303.	0.6	16
82	Point defects in YBa₂Cu₃O_{7â^'x}studied using positron annihilation. Superconductor Science and Technology, 2012, 25, 075017.	1.8	16
83	Stress dependence of the critical currents in neutron irradiated (RE)BCO coated conductors. Superconductor Science and Technology, 2013, 26, 035009.	1.8	16
84	Nanostructural Superconducting Materials for Fault Current Limiters and Cryogenic Electrical Machines. Acta Physica Polonica A, 2010, 117, 7-14.	0.2	16
85	Critical currents in weakly textured<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>MgB</mml:mtext></mml:mrow><mml:mn>2</mml:mn> Nonlinear transport in anisotropic heterogeneous media. Physical Review B, 2009, 80, .	1.1	15
86	Formation of Higher Borides During High-Pressure Synthesis and Sintering of Magnesium Diboride and Their Positive Effect on Pinning and Critical Current Density. IEEE Transactions on Applied Superconductivity, 2009, 19, 2780-2783.	1.1	15
87	The influence of annealing in flowing argon on the microstructural and superconducting properties of Al doped YBCO bulks. Superconductor Science and Technology, 2010, 23, 065014.	1.8	15
88	Current developments in HTSC coated conductors for applications. Superconductor Science and Technology, 2016, 29, 060301.	1.8	15
89	Processing of large, single grain YBa2Cu3O7â^'Î´/Y2BaCuO5/Y2Ba4CuNbOy bulk composites. Physica C: Superconductivity and Its Applications, 2005, 426-431, 520-526.	0.6	14
90	Grain Boundaries in Multi-Seeded Melt-Grown Superconductors. IEEE Transactions on Applied Superconductivity, 2005, 15, 3129-3132.	1.1	14

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91	Effect of higher borides and inhomogeneity of oxygen distribution on critical current density of undoped and doped magnesium diboride. Journal of Physics: Conference Series, 2010, 234, 012031.	0.3	14
92	Evaluation of the Critical Current Density of Multifilamentary ${m Nb}_{3}{m Sn}$ Wires From Magnetization Measurements. IEEE Transactions on Applied Superconductivity, 2012, 22, 6000604-6000604.	1.1	14
93	Critical current anisotropy of GdBCO tapes grown on ISDâ€“MgO buffered substrate. Superconductor Science and Technology, 2015, 28, 124002.	1.8	14
94	Novel methods to characterize bulk RE-BCO superconductors. Physica C: Superconductivity and Its Applications, 2005, 426-431, 625-631.	0.6	13
95	Modified magnetoscan technique for assessing inhomogeneities in the current flow of coated conductors â€“ Theory and experiment. Physica C: Superconductivity and Its Applications, 2007, 460-462, 158-161.	0.6	13
96	Thick High <inline-formula> <tex-math notation="LaTeX">$J_mathrm{c} $</tex-math></inline-formula> YBCO Films on ABAD-YSZ Templates. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	13
97	</inline-formula> Anisotropy and Enhanced In-Field Performance of Thick BaHfO₃-Doped <inline-formula> <tex-math notation="LaTeX">$ext{YBa}_{2}ext{Cu}_{3}ext{O}_{7-delta}$</tex-math> </inline-formula> Films on ABAD-YSZ Templates. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	13
98	Disorder effects and current percolation in FeAs-based superconductors. Superconductor Science and Technology, 2010, 23, 054006.	1.8	12
99	$J_{m c}(B, T)$ Characterization of Commercial NbTi Strands for the ITER Poloidal Field Coils by Transport and Magnetization Methods. IEEE Transactions on Applied Superconductivity, 2013, 23, 6001304-6001304.	1.1	12
100	Critical current anisotropy in Nd-1111 single crystals and the influence of neutron irradiation. Superconductor Science and Technology, 2014, 27, 044009.	1.8	12
101	Thallium-based high-temperature superconductors for beam impedance mitigation in the Future Circular Collider. Superconductor Science and Technology, 2017, 30, 075002.	1.8	12
102	Tailoring Microstructure and Superconducting Properties in Thick BaHfO3 and Ba2 Y(Nb/Ta)O6 Doped YBCO Films on Technical Templates. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.1	12
103	The significance of solutions of the inverse Biotâ€“Savart problem in thick superconductors. Superconductor Science and Technology, 2005, 18, S58-S62.	1.8	11
104	Scan Techniques for Coated Conductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 3753-3756.	1.1	11
105	Influence of neutron irradiation on high temperature superconducting coated conductors. Physica C: Superconductivity and Its Applications, 2008, 468, 1647-1651.	0.6	11
106	Full angular critical current characteristics of coated conductors studied using a two-axis high current goniometer. Superconductor Science and Technology, 2011, 24, 075018.	1.8	11
107	Pinning in high performance MgB 2 thin films and bulks: Role of Mg-B-O nano-scale inhomogeneities. Physica C: Superconductivity and Its Applications, 2017, 533, 36-39.	0.6	11
108	Effects of inhomogeneities on pinning force scaling in Nb₃Sn wires. Superconductor Science and Technology, 2018, 31, 084002.	1.8	11

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109	Experimental observation of anomalies in the electrical, magnetic, and galvanomagnetic properties of cobalt-based Heusler alloys with varying transition elements. Low Temperature Physics, 2019, 45, 789-794.	0.2	11
110	Comparison of the influence of carbon substitution and neutron-induced defects on the upper critical field and flux pinning in MgB2single crystals. Superconductor Science and Technology, 2007, 20, 256-260.	1.8	10
111	Structure and Properties of MgB2Bulks, Thin Films, and Wires. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	10
112	Planar current anisotropy and field dependence of J _c in coated conductors assessed by scanning Hall probe microscopy. Superconductor Science and Technology, 2017, 30, 024004.	1.8	10
113	Evolution of the superconducting properties from binary to ternary APC-Nb₃Sn wires. Superconductor Science and Technology, 2021, 34, 035028.	1.8	10
114	Anisotropy in superconducting MgB2: a comparison of SQUID and torque measurements. Physica C: Superconductivity and Its Applications, 2004, 408-410, 111-113.	0.6	9
115	Magnetic properties of superconducting HgBa2CuO4+Î´ single crystals in the overdoped state before and after particle irradiation. Physica C: Superconductivity and Its Applications, 2005, 418, 73-86.	0.6	9
116	Neutron Irradiation of SiC Doped and Magnesium Rich MgB$_{2}$ Wires. IEEE Transactions on Applied Superconductivity, 2007, 17, 2814-2817.	1.1	9
117	Spark Plasma Synthesis and Sintering of Superconducting MgB₂-Based Materials. Materials Science Forum, 0, 721, 3-8.	0.3	9
118	Temperatureâ€“pressure induced nano-structural inhomogenities for vortex pinning in bulk MgB2 of different connectivity. Physica C: Superconductivity and Its Applications, 2014, 503, 109-112.	0.6	9
119	Ba₂Y(Nb/Ta)O₆â€“Doped YBCO Films on Biaxially Textured Niâ€“5at.% W Substrates. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	9
120	Electronic transport and optical properties of Mo0.5W0.5Te2 single crystal. Low Temperature Physics, 2019, 45, 241-245.	0.2	9
121	Superconductivity-driven ferromagnetism and spin manipulation using vortices in the magnetic superconductor EuRbFe ₄ As ₄. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
122	Reversible and irreversible properties of superconducting MgB2. Physica C: Superconductivity and Its Applications, 2003, 388-389, 159-160.	0.6	8
123	Effects of High Pressure on the Physical Properties of MgB2. Journal of Superconductivity and Novel Magnetism, 2011, 24, 137-150.	0.8	8
124	Assessing composition gradients in multifilamentary superconductors by means of magnetometry methods. Superconductor Science and Technology, 2017, 30, 014011.	1.8	8
125	Predicting critical currents in grain-boundary limited superconductors. Physical Review B, 2019, 99, .	1.1	8
126	Recovering the performance of irradiated high-temperature superconductors for use in fusion magnets. Superconductor Science and Technology, 2022, 35, 04LT01.	1.8	8

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127	Irreversible properties of superconductingHoNi2B2Csingle crystals. Physical Review B, 2005, 72, .	1.1	7
128	Scan measurements on ROEBEL assembled coated conductors (RACC). Journal of Physics: Conference Series, 2008, 97, 012222.	0.3	7
129	Application Prospects of ${m MgB}_{2}$ in View of Its Basic Properties. IEEE Transactions on Applied Superconductivity, 2009, 19, 2788-2792.	1.1	7
130	Positron Annihilation Lifetime Spectroscopy Study of Neutron Irradiated High Temperature Superconductors YBa2Cu3O7-Î´ for Application in Fusion Facilities. Journal of Fusion Energy, 2012, 31, 89-95.	0.5	7
131	Pinning in $hbox{MgB}_{2}$- and YBaCuO-Based Superconductors: Effect of Manufacturing Pressure and Temperature. IEEE Transactions on Applied Superconductivity, 2013, 23, 8001605-8001605.	1.1	7
132	Structure and Functional Properties of Bulk MgB₂ Superconductors Synthesized and Sintered under Pressure. Materials Science Forum, 0, 792, 21-26.	0.3	7
133	Evidence of a miscibility gap in the FeTe_{1â^'x}Se_xpolycrystalline samples prepared with a melting process. Journal of Physics: Conference Series, 2014, 507, 012044.	0.3	7
134	Effect of Nanostructural Inhomogeneities on the Superconducting Characteristics of <inline-formula> <tex-math notation="TeX">$hbox{MgB}_{2}$</tex-math></inline-formula> With Enhanced Grain Connectivity. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	7
135	Influence of Substrate Tilt Angle on the Incorporation of BaHfO3 in Thick YBa2Cu 3O7â€Î´ Films. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	7
136	Magnetic granularity in pulsed laser deposited YBCO films on technical templates at 5 K. Superconductor Science and Technology, 2017, 30, 104003.	1.8	7
137	Thick Secondary Phase Pinning-Enhanced YBCO Films on Technical Templates. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	7
138	Influence of transverse stress exerted at room temperature on the superconducting properties of Nb₃Sn wires. Superconductor Science and Technology, 2019, 32, 095010.	1.8	7
139	Specific heat of ceramic and single crystal MgB2. Physica C: Superconductivity and Its Applications, 2003, 388-389, 107-108.	0.6	6
140	Temperature dependence of the trapped field and mechanical properties of neutron irradiated and reinforced YBa/sub 2/Cu/sub 3/O//sub 7Î´/ bulk superconductors. IEEE Transactions on Applied Superconductivity, 2003, 13, 3125-3128.	1.1	6
141	Magnetic flux penetration into melt-textured superconductors. Superconductor Science and Technology, 2005, 18, S164-S167.	1.8	6
142	The Effect of Thermo-Mechanical Treatments on $J_{c}(T,B)$ and T_{cs} of Nb-Ti Strands. IEEE Transactions on Applied Superconductivity, 2009, 19, 2540-2543.	1.1	6
143	The temperature dependent anisotropy constants of epitaxially grown PrCo5+x. Journal of Applied Physics, 2010, 108, 073912.	1.1	6
144	Variation of ${(J_{m c}/J_{{m c}0})}_{max}$ of Binary and Ternary Alloyed RRP and PIT $hbox{Nb}_{3}hbox{Sn}$ Wires Exposed to Fast Neutron Irradiation at Ambient Reactor Temperature. IEEE Transactions on Applied Superconductivity, 2013, 23, 8001404-8001404.	1.1	6

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145	Direct observation of in-plane anisotropy of the superconducting critical current density in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="bold">Ba</mml:mi><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi) Tj ETQq1 1 0.784314 rgBT /O	1.1	6
146	Physical Review B, 2018, 97, . Comparative study of Fe(Se,Te) thin films on flexible coated conductor templates and single-crystal substrates. Superconductor Science and Technology, 2021, 34, 115013.	1.8	6
147	Analysing neutron radiation damage in YBa₂Cu₃O_{7â€“}_x highâ€temperature superconductor tapes. Journal of Microscopy, 2022, 286, 3-12.	0.8	6
148	Magnetic granularity in PLD-grown Fe(Se,Te) films on simple RABiTS templates. Superconductor Science and Technology, 2022, 35, 074001.	1.8	6
149	Flux Pinning in Neutron Irradiated MgB2Single Crystals.. Journal of Physics: Conference Series, 2006, 43, 651-654.	0.3	5
150	Effect of disorder on the irreversible magnetic properties of single crystalline MgB2: comparison of carbon doping and neutron irradiation. Physica C: Superconductivity and Its Applications, 2006, 445-448, 65-68.	0.6	5
151	Modification of the defect structure in MgB2 single crystals by carbon doping and neutron irradiation. Physica C: Superconductivity and Its Applications, 2007, 460-462, 555-556.	0.6	5
152	Homogeneity of supercurrent flow in coated conductors. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1397-1398.	0.6	5
153	Current and Field Distribution in Meandered Coated Conductors for Roebel Cables. IEEE Transactions on Applied Superconductivity, 2011, 21, 3389-3392.	1.1	5
154	Rotating sample magnetometer for cryogenic temperatures and high magnetic fields. Review of Scientific Instruments, 2011, 82, 063902.	0.6	5
155	Influence of Oxygen and Boron Distribution on the Superconducting Characteristics of Nanostructural Mg-B-O Ceramics. Solid State Phenomena, 2013, 200, 137-143.	0.3	5
156	Electronic transport in Co-based half-metallic ferromagnetic Heusler alloys. Journal of Physics: Conference Series, 2014, 568, 052019.	0.3	5
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