

Michael Eisterer

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Influence of Oxygen Concentration and Distribution on Microstructure and Superconducting Characteristics of MgB ₂ -Based Materials and Melt-Textured YBCO. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.1	1
2	Analysing neutron radiation damage in YBa ₂ Cu ₃ O ₇ high-temperature superconductor tapes. Journal of Microscopy, 2022, 286, 3-12.	0.8	6
3	Recovering the performance of irradiated high-temperature superconductors for use in fusion magnets. Superconductor Science and Technology, 2022, 35, 04LT01.	1.8	8
4	Influence of Local Inhomogeneities in the REBCO Layer on the Mechanism of Quench Onset in 2G HTS Tapes. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-7.	1.1	5
5	Magnetic granularity in PLD-grown Fe(Se,Te) films on simple RABiTS templates. Superconductor Science and Technology, 2022, 35, 074001.	1.8	6
6	Evolution of the superconducting properties from binary to ternary APC-Nb ₃ Sn wires. Superconductor Science and Technology, 2021, 34, 035028.	1.8	10
7	Critical Current Density, Pinning and Nanostructure of MT-YBCO and MgB ₂ -based Materials. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	3
8	Identification of the A15 Contours in Multifilamentary Nb ₃ Sn Wires by Means of a Magnetic Method. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	1
9	Nb ₃ Sn Wires for the Future Circular Collider at CERN: Microstructural Investigation of Different Wire Layouts. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	1
10	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
11	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
12	Features of the Transport Properties of Superconducting Magnesium Diboride Samples. Metallofizika i Noveishie Tekhnologii, 2021, 43, 1305-1312.	0.2	0
13	Future Circular Collider beam screen: progress on Tl-1223 HTS coating. Superconductor Science and Technology, 2020, 33, 054004.	1.8	3
14	Advance in the conceptual design of the European DEMO magnet system. Superconductor Science and Technology, 2020, 33, 044013.	1.8	38
15	Kinetic Properties and Half-Metallic Magnetism in Mn ₂ YAl Heusler Alloys. Journal of Experimental and Theoretical Physics, 2019, 128, 919-925.	0.2	25
16	Influence of transverse stress exerted at room temperature on the superconducting properties of Nb ₃ Sn wires. Superconductor Science and Technology, 2019, 32, 095010.	1.8	7
17	Current-voltage characteristics of double disordered REBCO coated conductors exposed to magnetic fields with edge gradients. Superconductor Science and Technology, 2019, 32, 104002.	1.8	1
18	Coexisting spin resonance and long-range magnetic order of Eu in EuRbFe ₄ As ₄ . Physical Review B, 2019, 100, .	1.1	1

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19	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	1.2	367
20	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
21	Electrical and optical properties of a PtSn ₄ single crystal. Journal of Physics: Conference Series, 2019, 1199, 012037.	0.3	2
22	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	1.2	108
23	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	1.2	424
24	Unique defect structure and advantageous vortex pinning properties in superconducting CaKFe ₄ As ₄ . Npj Quantum Materials, 2019, 4, .	1.8	43
25	Electronic Structure and Electronic Properties of PtSn ₄ Single Crystal. Journal of Experimental and Theoretical Physics, 2019, 128, 939-945.	0.2	4
26	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
27	Exchange coupling in a frustrated trimetric molecular magnet reversed by a 1D nano-confinement. Nanoscale, 2019, 11, 10615-10621.	2.8	19
28	Doping dependence of the pinning efficiency in K-doped Ba122 single crystals prior to and after fast neutron irradiation. Superconductor Science and Technology, 2019, 32, 094004.	1.8	1
29	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	1.4	346
30	MgB ₂ Wires and Bulks With High Superconducting Performance. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	3
31	Predicting critical currents in grain-boundary limited superconductors. Physical Review B, 2019, 99, .	1.1	8
32	Manufacturing, Structure, Properties of MgB ₂ -Based Materials. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3115-3120.	0.8	1
33	Manifestation of granularity in the transport current of coated conductors. Superconductor Science and Technology, 2019, 32, 055004.	1.8	4
34	Towards optimized Nb ₃ Sn. Superconductor Science and Technology, 2019, 32, 040501.	1.8	0
35	Electronic transport and optical properties of Mo _{0.5} W _{0.5} Te ₂ single crystal. Low Temperature Physics, 2019, 45, 241-245.	0.2	9
36	Strong changes in electronic transport and magnetic properties of Co ₂ YSi Heusler alloys at Y-component variation. Journal of Physics: Conference Series, 2019, 1389, 012110.	0.3	2

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37	Electrical, magnetic and galvanomagnetic properties of Mn-based Heusler alloys. Journal of Physics: Conference Series, 2019, 1389, 012150.	0.3	2
38	Correlations Between Superconducting Characteristics and Structure of MgB ₂ -Based Materials, <i>ab</i> -Initio Modeling. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-7.	1.1	1
39	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
40	Structure and Properties of MgB ₂ : Effect of Ti-O and TiC Additions. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	4
41	Thick Secondary Phase Pinning-Enhanced YBCO Films on Technical Templates. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	7
42	Direct observation of in-plane anisotropy of the superconducting critical current density in $\text{Ba}_{1-x}\text{Co}_x\text{Fe}_2\text{As}_2$ single crystals. Physical Review B, 2018, 97, .	1.1	6
43	Radiation effects on iron-based superconductors. Superconductor Science and Technology, 2018, 31, 013001.	1.8	35
44	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
45	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
46	Size effect in the electronic transport of thin films of Bi ₂ Se ₃ . EPJ Web of Conferences, 2018, 185, 01002.	0.1	5
47	Investigation of Properties of Nanostructured MgB ₂ Films Deposited by Magnetron Sputtering. , 2018, , .		0
48	Effects of post-growth heat treatment on electronic phase diagrams and critical current densities of Ba(Fe _{1-x} Co _x) ₂ As ₂ and BaFe ₂ (As _{1-x} P _x) ₂ single crystals. Physical Review B, 2018, 98, .	1.1	2
49	Effects of inhomogeneities on pinning force scaling in Nb ₃ Sn wires. Superconductor Science and Technology, 2018, 31, 084002.	1.8	11
50	Preparation and Properties of MgB ₂ Thin Films. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-7.	1.1	1
51	Irreversible degradation of Nb ₃ Sn Rutherford cables due to transverse compressive stress at room temperature. Superconductor Science and Technology, 2018, 31, 065009.	1.8	35
52	Progress in the design of the superconducting magnets for the EU DEMO. Fusion Engineering and Design, 2018, 136, 1597-1604.	1.0	67
53	Influence of Substrate Tilt Angle on the Incorporation of BaHfO ₃ in Thick YBa ₂ Cu ₃ O _{7-δ} Films. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	7
54	Doping-dependent critical current properties in K, Co, and P-doped $\text{BaFe}_{1-x}\text{Co}_x\text{Fe}_2\text{As}_2$ single crystals. Physical Review B, 2017, 95, .	1.1	54

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55	MgB ₂ -based superconductors for fault current limiters. IOP Conference Series: Materials Science and Engineering, 2017, 171, 012144.	0.3	2
56	Thallium-based high-temperature superconductors for beam impedance mitigation in the Future Circular Collider. Superconductor Science and Technology, 2017, 30, 075002.	1.8	12
57	Tailoring Microstructure and Superconducting Properties in Thick BaHfO ₃ and Ba ₂ Y(Nb/Ta)O ₆ Doped YBCO Films on Technical Templates. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.1	12
58	Structure and Properties of MgB ₂ Bulks, Thin Films, and Wires. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	10
59	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
60	Microscale magnetic compasses. Journal of Applied Physics, 2017, 122, .	1.1	0
61	Assessing composition gradients in multifilamentary superconductors by means of magnetometry methods. Superconductor Science and Technology, 2017, 30, 014011.	1.8	8
62	Magnetic granularity in pulsed laser deposited YBCO films on technical templates at 5 K. Superconductor Science and Technology, 2017, 30, 104003.	1.8	7
63	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
64	Structure and superconducting characteristics of magnesium diboride, substitution of boron atoms by oxygen and carbon. IOP Conference Series: Materials Science and Engineering, 2017, 279, 012023.	0.3	1
65	Galvanomagnetic properties of Heusler alloys Co ₂ FeZ (Z = Al, Si, Ga, Ge, In, Sn, Sb). Physics of the Solid State, 2017, 59, 2352-2359.	0.2	2
66	Pinning and trapped field in MgB ₂ - and MT-YBaCuO bulk superconductors manufactured under pressure. Journal of Physics: Conference Series, 2016, 695, 012001.	0.3	1
67	Distinct doping dependence of critical temperature and critical current density in Ba _{1-x} K _x Fe ₂ As ₂ superconductor. Scientific Reports, 2016, 6, 26671.	1.6	27
68	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
69	Anisotropy and Enhanced In-Field Performance of Thick BaHfO ₃ -Doped YBa ₂ Cu ₃ O _{7-δ} Films on ABAD-YSZ Templates. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	13
70	Current developments in HTSC coated conductors for applications. Superconductor Science and Technology, 2016, 29, 060301.	1.8	15
71	Processing of Bulk MgB ₂ Superconductors for Application in Fault Current Limiters. Materials Science Forum, 2016, 856, 32-37.	0.3	0
72	Small grains: a key to high-field applications of granular Ba-122 superconductors?. Superconductor Science and Technology, 2016, 29, 025004.	1.8	44

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73	Characterization of Nb–Ti Strands in the Process of Industrial Production for the ITER Poloidal Field Coils. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	1
74	Ba ₂ Y(Nb/Ta)O ₆ “Doped YBCO Films on Biaxially Textured Niâ€“5at.% W Substrates. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	9
75	Overview of Progress on the EU DEMO Reactor Magnet System Design. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	46
76	Crystal Structure and Properties of the Oxide-Containing Magnesium Diboride Films. Metallofizika i Noveishie Tekhnologii, 2016, 37, 327-345.	0.2	1
77	Nickel clusters embedded in carbon nanotubes as high performance magnets. Scientific Reports, 2015, 5, 15033.	1.6	23
78	Performance Boost in Industrial Multifilamentary Nb ₃ Sn Wires due to Radiation Induced Pinning Centers. Scientific Reports, 2015, 5, 10236.	1.6	21
79	Critical current anisotropy of GdBCO tapes grown on ISDâ€“MgO buffered substrate. Superconductor Science and Technology, 2015, 28, 124002.	1.8	14
80	Effect of Nanostructural Inhomogeneities on the Superconducting Characteristics of MgB_2 With Enhanced Grain Connectivity. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	7
81	Thick High MgB_2 YBCO Films on ABAD-YSZ Templates. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	13
82	Structure and properties of oxygen-containing thin films and bulk MgB ₂ . IOP Conference Series: Materials Science and Engineering, 2015, 102, 012030.	0.3	0
83	n -Values of commercial YBCO tapes before and after irradiation by fast neutrons. Superconductor Science and Technology, 2015, 28, 035008.	1.8	21
84	Influence of Nanostructural Inhomogeneities on Superconducting Characteristics of MgB ₂ . Journal of Superconductivity and Novel Magnetism, 2015, 28, 525-530.	0.8	5
85	Application potential of Fe-based superconductors. Superconductor Science and Technology, 2015, 28, 114005.	1.8	84
86	Interaction of vortices in anisotropic superconductors with isotropic defects. Superconductor Science and Technology, 2015, 28, 102001.	1.8	17
87	Suitability of coated conductors for fusion magnets in view of their radiation response. Superconductor Science and Technology, 2015, 28, 014005.	1.8	40
88	Nanostructural inhomogeneities acting as pinning centers in bulk MgB ₂ with low and enhanced grain connectivity. Superconductor Science and Technology, 2014, 27, 044013.	1.8	38
89	Electronic transport in Co-based half-metallic ferromagnetic Heusler alloys. Journal of Physics: Conference Series, 2014, 568, 052019.	0.3	5
90	Critical current anisotropy in Nd-1111 single crystals and the influence of neutron irradiation. Superconductor Science and Technology, 2014, 27, 044009.	1.8	12

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91	Temperature- ϵ pressure induced nano-structural inhomogenities for vortex pinning in bulk MgB ₂ of different connectivity. Physica C: Superconductivity and Its Applications, 2014, 503, 109-112.	0.6	9
92	Effects of neutron irradiation on pinning force scaling in state-of-the-art Nb ₃ Sn wires. Superconductor Science and Technology, 2014, 27, 015005.	1.8	58
93	Study of the Temperature and Field Dependence of the Critical Currents in Nb-Ti Strands for the ITER Poloidal Field Magnet System. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.1	2
94	The effect of Y ₂ O ₃ and YFeO ₃ additions on the critical current density of YBCO coated conductors. Journal of Physics: Conference Series, 2014, 507, 022012.	0.3	2
95	Evidence of a miscibility gap in the FeTe _{1-x} Se _x polycrystalline samples prepared with a melting process. Journal of Physics: Conference Series, 2014, 507, 012044.	0.3	7
96	Variation of $(J_c/J_{c0})_{max}$ of Binary and Ternary Alloyed RRP and PIT Nb ₃ Sn Wires Exposed to Fast Neutron Irradiation at Ambient Reactor Temperature. IEEE Transactions on Applied Superconductivity, 2013, 23, 8001404-8001404.	1.1	6
97	Pinning in MgB ₂ - and YBaCuO-Based Superconductors: Effect of Manufacturing Pressure and Temperature. IEEE Transactions on Applied Superconductivity, 2013, 23, 8001605-8001605.	1.1	7
98	Synthesis Pressure- ϵ Temperature Effect on Pinning in MgB ₂ -Based Superconductors. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1569-1576.	0.8	25
99	Stress dependence of the critical currents in neutron irradiated (RE)BCO coated conductors. Superconductor Science and Technology, 2013, 26, 035009.	1.8	16
100	$J_c(B, T)$ 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
101	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
102	Orbital and spin magnetic moments of transforming one-dimensional iron inside metallic and semiconducting carbon nanotubes. Physical Review B, 2013, 87, .	1.1	23
103	One-dimensional pinning behavior in Co-doped BaFe ₂ As ₂ thin films. Applied Physics Letters, 2013, 103, 232601.	1.5	2
104	Point defects in YBa ₂ Cu ₃ O _{7-x} studied using positron annihilation. Superconductor Science and Technology, 2012, 25, 075017.	1.8	16
105	Influence of oxygen and boron distribution on superconducting characteristics of nanostructural Mg-B-O ceramics. , 2012, , .		0
106	Evaluation of the Critical Current Density of Multifilamentary Nb ₃ Sn Wires From Magnetization Measurements. IEEE Transactions on Applied Superconductivity, 2012, 22, 6000604-6000604.	1.1	14
107	Superconductivity in Multi-Phase Mg-B-O Compounds. Physics Procedia, 2012, 36, 475-478.	1.2	4
108	The effect of high-pressure synthesis on flux pinning in MgB ₂ -based superconductors. Physica C: Superconductivity and Its Applications, 2012, 479, 111-114.	0.6	21

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109	Positron Annihilation Lifetime Spectroscopy Study of Neutron Irradiated High Temperature Superconductors YBa ₂ Cu ₃ O _{7-δ} for Application in Fusion Facilities. Journal of Fusion Energy, 2012, 31, 89-95.	0.5	7
110	Current and Field Distribution in Meandered Coated Conductors for Roebel Cables. IEEE Transactions on Applied Superconductivity, 2011, 21, 3389-3392.	1.1	5
111	Characterization of Commercial YBCO Coated Conductors After Neutron Irradiation. IEEE Transactions on Applied Superconductivity, 2011, 21, 3162-3165.	1.1	20
112	Rotating sample magnetometer for cryogenic temperatures and high magnetic fields. Review of Scientific Instruments, 2011, 82, 063902.	0.6	5
113	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
114	Magnetic measurement of the critical current anisotropy in coated conductors. Superconductor Science and Technology, 2011, 24, 045002.	1.8	3
115	Effects of High Pressure on the Physical Properties of MgB ₂ . Journal of Superconductivity and Novel Magnetism, 2011, 24, 137-150.	0.8	8
116	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
117	Influence of Al doping and oxygenation on the superconducting properties of TSMG YBCO bulks. Journal of Physics: Conference Series, 2010, 234, 012002.	0.3	3
118	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
119	Influence of thermochemical treatments on TSMG YBCO bulks doped with Li and Al. Journal of Physics: Conference Series, 2010, 234, 012011.	0.3	0
120	Thickness dependence of the critical current density in superconducting films: A geometrical approach. Applied Physics Letters, 2010, 96, .	1.5	30
121	Consequences of the peculiar intrinsic properties of MgB ₂ on its macroscopic current flow. Physica C: Superconductivity and Its Applications, 2010, 470, S651-S652.	0.6	0
122	Disorder induced effects on the critical current density of iron pnictide BaFe _{1.8} Co _{0.2} As ₂ single crystals. Physica C: Superconductivity and Its Applications, 2010, 470, S452-S453.	0.6	2
123	Numerical extension of the power law J _c (B) to zero field in thin superconducting films. Physica C: Superconductivity and Its Applications, 2010, 470, S1041-S1042.	0.6	0
124	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
125	Higher borides and oxygen-enriched MgB ₂ 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
126	Asymmetric angular dependence of J _c in coated conductors prior to and after fast neutron irradiation. Physica C: Superconductivity and Its Applications, 2010, 470, 1300-1303.	0.6	16

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127	The Effect of Oxygen Distribution Inhomogeneity and Presence of Higher Borides on the Critical Current Density Improvement of Nanostructural MgB ₂ . Advances in Science and Technology, 2010, 75, 161-166.	0.2	1
128	Disorder effects and current percolation in FeAs-based superconductors. Superconductor Science and Technology, 2010, 23, 054006.	1.8	12
129	Neutron irradiation of coated conductors. Superconductor Science and Technology, 2010, 23, 014009.	1.8	29
130	The influence of weak texture on the critical currents in polycrystalline MgB ₂ . Superconductor Science and Technology, 2010, 23, 034006.	1.8	4
131	Anisotropy of the critical current in MgB ₂ tapes made of high energy milled precursor powder. Superconductor Science and Technology, 2010, 23, 065011.	1.8	18
132	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
133	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
134	Mixed state properties of $\langle \mathit{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow> < mml:msub> < mml:mrow> < mml:mtext> Bi </mml:mtext> </mml:mrow> < mml:mn> 2 </mml:mn> </mml:mrow> < mml:mtext> </mml:mtext> </mml:math \rangle$. Physical Review B, 2010, 81, .	1.8	17
135	The temperature dependent anisotropy constants of epitaxially grown PrCo _{5+x} . Journal of Applied Physics, 2010, 108, 073912.	1.1	6
136	Nanostructural Superconducting Materials for Fault Current Limiters and Cryogenic Electrical Machines. Acta Physica Polonica A, 2010, 117, 7-14.	0.2	16
137	Critical currents in weakly textured $\langle \mathit{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow> < mml:msub> < mml:mrow> < mml:mtext> MgB </mml:mtext> </mml:mrow> < mml:mn> 2 </mml:mn> </mml:mrow> < mml:mtext> </mml:mtext> </mml:math \rangle$ Nonlinear transport in anisotropic heterogeneous media. Physical Review B, 2009, 80, .	1.8	15
138	YBCO Coated Conductors for Fusion Magnets. IEEE Transactions on Applied Superconductivity, 2009, 19, 1532-1535.	1.1	23
139	Flux pinning in Al doped TSMG YBCO bulk superconductors. Superconductor Science and Technology, 2009, 22, 105001.	1.8	23
140	Connectivity and critical currents in polycrystalline MgB ₂ . Superconductor Science and Technology, 2009, 22, 034016.	1.8	22
141	Effects of disorder on the superconducting properties of BaFe _{1.8} Co _{0.2} As ₂ single crystals. Superconductor Science and Technology, 2009, 22, 095011.	1.8	22
142	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
143	Effect of C and SiC additions into in situ or mechanically alloyed MgB ₂ deformed in Ti sheath. Physica C: Superconductivity and Its Applications, 2009, 469, 827-831.	0.6	16
144	Neutron irradiation of SmFeAsO _{1-x} F _x . Superconductor Science and Technology, 2009, 22, 065015.	1.8	16

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145	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
146	Application Prospects of MgB_2 in View of Its Basic Properties. IEEE Transactions on Applied Superconductivity, 2009, 19, 2788-2792.	1.1	7
147	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
148	Influence of neutron irradiation on high temperature superconducting coated conductors. Physica C: Superconductivity and Its Applications, 2008, 468, 1647-1651.	0.6	11
149	Calculation of the volume pinning force in MgB_2 single crystals with artificially introduced defects: comparison with theory. Physical Review B, 2008, 77, .	1.1	91
150	Critical current anisotropy in nanostructured HLPE coated conductors. Journal of Physics: Conference Series, 2008, 97, 012012.	0.3	0
151	Scan measurements on ROEBEL assembled coated conductors (RACC). Journal of Physics: Conference Series, 2008, 97, 012222.	0.3	7
152	Order-disorder transition in the flux line lattice of superconducting MgB_2 single crystals with artificially introduced defects: comparison with theory. Superconductor Science and Technology, 2007, 20, S247-S256.	1.8	3
153	Comparison of the influence of carbon substitution and neutron-induced defects on the upper critical field and flux pinning in MgB_2 single crystals. Superconductor Science and Technology, 2007, 20, 256-260.	1.8	10
154	Scan Techniques for Coated Conductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 3753-3756.	1.1	11
155	Irreversible Magnetic Properties of Neutron Irradiated HLPE Coated Conductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 3549-3552.	1.1	2
156	Comparative study of neutron irradiation and carbon doping in MgB_2 single crystals. Physical Review B, 2007, 75, .	1.1	16
157	Neutron Irradiation of SiC Doped and Magnesium Rich MgB_2 Wires. IEEE Transactions on Applied Superconductivity, 2007, 17, 2814-2817.	1.1	9
158	Magnetic properties and critical currents of MgB_2 . Superconductor Science and Technology, 2007, 20, R47-R73.	1.8	285
159	Assessment of the local supercurrent densities in long superconducting coated conductors. Applied Physics Letters, 2007, 90, 032506.	1.5	21
160	Universal influence of disorder on MgB_2 wires. Superconductor Science and Technology, 2007, 20, 117-122.	1.8	36
161	Modification of the defect structure in MgB_2 single crystals by carbon doping and neutron irradiation. Physica C: Superconductivity and Its Applications, 2007, 460-462, 555-556.	0.6	5
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