

# Bartek A Glowacki

## List of Publications by Year in descending order

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228  
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docs citations

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times ranked

3393  
citing authors

#	ARTICLE	IF	CITATIONS
1	A methodology for techno-economic evaluation of asymmetric energy storage systems: A nuclear energy case study. <i>Progress in Nuclear Energy</i> , 2022, 147, 104127.	1.3	1
2	Inkjet Printing Infiltration of the Doped Ceria Interlayer in Commercial Anode-Supported SOFCs. <i>Nanomaterials</i> , 2021, 11, 3095.	1.9	4
3	Distribution of Trapped Magnetic Flux in Superconducting Stacks Magnetised by Angled Field. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 1299-1305.	0.8	6
4	Trapped-flux magnets characterization for application in synchronous machines. <i>Journal of Physics: Conference Series</i> , 2020, 1559, 012148.	0.3	2
5	Heat extraction from HTS tape stacks applied in a superconducting motor in different cooling conditions. <i>Journal of Physics: Conference Series</i> , 2020, 1559, 012088.	0.3	3
6	Frequency-dependent demagnetisation rate of a shielded HTS tape stack. <i>Journal of Physics: Conference Series</i> , 2020, 1559, 012056.	0.3	1
7	Experimental system for testing a superconducting motor at temperatures close to 15ÅK. <i>Cryogenics</i> , 2020, 112, 103206.	0.9	5
8	Influence of Architecture of Composite Superconducting Tape-Based Stacks on AC Demagnetization for Electric Machines Application. <i>IEEE Transactions on Applied Superconductivity</i> , 2020, 30, 1-6.	1.1	8
9	Application of Hot Press Bending for Shaping a Stack of HTS Tapes Operating as a Trapped Flux Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2020, 30, 1-5.	1.1	3
10	Testing of Surface Mounted Superconducting Stacks as Trapped-Flux Magnets in a Synchronous Machine. <i>IEEE Transactions on Applied Superconductivity</i> , 2020, 30, 1-8.	1.1	11
11	Magnetization and Losses for an Improved Architecture of Trapped-Flux Superconducting Rotor. <i>Journal of Propulsion and Power</i> , 2020, 36, 101-108.	1.3	9
12	Superconducting Magnetic Heterostructured Components for Electric Motor Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2020, 30, 1-5.	1.1	7
13	Magnetic flux in stacks of superconducting tapes of different architecture. <i>Superconductor Science and Technology</i> , 2020, 33, 115004.	1.8	2
14	Magnetization reduction by varying normal field in stacks of composite superconductors in an electrical motor. <i>EPJ Applied Physics</i> , 2020, 92, 20902.	0.3	0
15	Calculation of Optimal Number of Tapes in Stack of Superconducting Tapes Subjected to Tilted Magnetising Field. <i>Acta Physica Polonica A</i> , 2020, 138, 737-739.	0.2	0
16	Dynamic Transport Critical Current Measurements of MgB2 Superconductor. <i>Acta Physica Polonica A</i> , 2020, 138, 695-704.	0.2	1
17	Computation of Superconducting Stacks Magnetization in an Electrical Machine. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-6.	1.1	11
18	Remanent Magnetic Flux Distribution in Superconducting-Ferromagnetic Layered Heterostructures. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 3071-3076.	0.8	8

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19	An experimental assessment of rotor superconducting stack demagnetization in a liquid nitrogen environment. <i>Superconductor Science and Technology</i> , 2019, 32, 085009.	1.8	24
20	Comparative Study of the Continuous and Batch Thermal Processing of MgB <sub>2</sub> Wires. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-4.	1.1	2
21	Analysis of an on-line superconducting cryofan motor for indirect cooling by LH2. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 502, 012050.	0.3	0
22	Design considerations for electric motors using stacks of high temperature superconducting tape as permanent magnets. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 502, 012182.	0.3	10
23	Cross-field demagnetization of stacks of tapes: 3D modelling and measurements. <i>Superconductor Science and Technology</i> , 2019, , .	1.8	11
24	Advances in Development of Powder-in-Tube Nb <sub>3</sub> Sn, Bi-Based, and MgB <sub>2</sub> Superconducting Conductors. <i>Acta Physica Polonica A</i> , 2019, 135, 7-14.	0.2	1
25	Inkjet printing of paracetamol and indomethacin using electromagnetic technology: Rheological compatibility and polymorphic selectivity. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 248-257.	1.9	28
26	The synergistic effect of cobalt oxide and Gd-CeO <sub>2</sub> dual infiltration in LSCF/CGO cathodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5071-5081.	5.2	24
27	Design considerations for fully superconducting synchronous motors aimed at future electric aircraft. , 2018, , .		29
28	Measurements of crossed-field demagnetisation rate of trapped field magnets at high frequencies and below 77 K. <i>Superconductor Science and Technology</i> , 2018, 31, 065011.	1.8	30
29	Composite Superconducting MgB <sub>2</sub> Wires Made by Continuous Process. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-4.	1.1	5
30	A trapped field of 17.7 T in a stack of high temperature superconducting tape. <i>Superconductor Science and Technology</i> , 2018, 31, 09LT01.	1.8	79
31	Tailoring SOFC Electrode Microstructures for Improved Performance. <i>Advanced Energy Materials</i> , 2018, 8, 1800120.	10.2	159
32	Simulation and experiments of stacks of high temperature superconducting coated conductors magnetized by pulsed field magnetization with multi-pulse technique. <i>Superconductor Science and Technology</i> , 2017, 30, 014010.	1.8	23
33	Spark-Discharge Plasma as a Method to Produce Low AC Loss Multifilamentary (RE)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Coated Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-5.	1.1	1
34	Magnetic levitation using a stack of high temperature superconducting tape annuli. <i>Superconductor Science and Technology</i> , 2017, 30, 024007.	1.8	37
35	Inkjet printing infiltration of Ni-Gd:CeO <sub>2</sub> anodes for low temperature solid oxide fuel cells. <i>Journal of Applied Electrochemistry</i> , 2017, 47, 1227-1238.	1.5	20
36	Infiltration of commercially available, anode supported SOFC <sup>™</sup> s via inkjet printing. <i>Materials for Renewable and Sustainable Energy</i> , 2017, 6, 12.	1.5	25

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37	Performance optimization of LSCF/Gd:CeO <sub>2</sub> composite cathodes via single-step inkjet printing infiltration. Journal of Applied Electrochemistry, 2017, 47, 641-651.	1.5	33
38	Inkjet Printing and Inkjet Infiltration of Functional Coatings for SOFCs Fabrication. Springer Proceedings in Energy, 2017, , 161-165.	0.2	0
39	Energy Storage Technology for Decentralised Energy Management: Future Prospects. , 2016, , .		1
40	Metal particle compaction during drop-substrate impact for inkjet printing and drop-casting processes. Journal of Applied Physics, 2016, 119, .	1.1	12
41	Inkjet printing and inkjet infiltration of functional coatings for SOFCs fabrication. E3S Web of Conferences, 2016, 10, 00098.	0.2	7
42	Uniform trapped fields produced by stacks of HTS coated conductor tape. Superconductor Science and Technology, 2016, 29, 085008.	1.8	19
43	Toward Uniform Trapped Field Magnets Using a Stack of Roebel Cable Offcuts. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	11
44	Novel Superconducting MgB <sub>2</sub> Wires Made By Continuous Process. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	8
45	Low AC Loss Inkjet-Printed Multifilamentary YBCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	11
46	Forced flow He vapor cooled critical current testing facility for measurements of superconductors in a wide temperature and magnetic field range. Cryogenics, 2016, 79, 1-6.	0.9	4
47	Modeling of trapped fields by stacked (RE)BCO tape using angular transversal field dependency. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.1	5
48	Magnetic Levitation Between a Slab of Soldered HTS Tape and a Cylindrical Permanent Magnet. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	23
49	Pinning Improvement of A15 Applied Superconducting Materials. Acta Physica Polonica A, 2016, 130, 531-536.	0.2	2
50	Natural gas " synergies with hydrogen. Proceedings of Institution of Civil Engineers: Energy, 2015, 168, 47-60.	0.5	4
51	Vacuum-sintered stainless steel porous supports for inkjet printing of functional SOFC coatings. Materials for Renewable and Sustainable Energy, 2015, 4, 1.	1.5	21
52	Low temperature electrical transport in modified carbon nanotube fibres. Scripta Materialia, 2015, 106, 34-37.	2.6	9
53	Influence of atmospheric water vapour on electrical performance of carbon nanotube fibres. Carbon, 2015, 87, 18-28.	5.4	34
54	Pulsed-Field Magnetization of Superconducting Tape Stacks for Motor Applications. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	46

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55	Self-Supporting Stacks of Commercial Superconducting Tape Trapping Fields up to 1.6 T Using Pulsed Field Magnetization. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	26
56	Hydrogen Cryomagnetism for Decentralised Energy Management and Superconductivity. Journal of Superconductivity and Novel Magnetism, 2015, 28, 561-571.	0.8	4
57	The effect of stabilizer on the trapped field of stacks of superconducting tape magnetized by a pulsed field. Superconductor Science and Technology, 2015, 28, 085009.	1.8	17
58	Trapped Field Profiles for 40-mm Wide Superconducting Tape Pieces. Journal of Superconductivity and Novel Magnetism, 2015, 28, 397-401.	0.8	10
59	Magnetic levitation using high temperature superconducting pancake coils as composite bulk cylinders. Superconductor Science and Technology, 2015, 28, 115007.	1.8	30
60	Direct Ceramic Inkjet Printing and Infiltration of Functional Coatings for Metal Supported SOFC. ECS Transactions, 2015, 68, 2491-2501.	0.3	5
61	Composite superconducting bulks for efficient heat dissipation during pulse magnetization. Journal of Physics: Conference Series, 2014, 507, 012003.	0.3	5
62	Electromagnetic densification of MgB <sub>2</sub> /Cu wires. Superconductor Science and Technology, 2014, 27, 035008.	1.8	5
63	Assessment of the structural evolution of carbons from microwave plasma natural gas reforming and biomass pyrolysis using Raman spectroscopy. Carbon, 2014, 80, 617-628.	5.4	95
64	Optimisation of composite superconducting bulks made from (RE)BCO coated conductor stacks using pulsed field magnetization modelling. Journal of Physics: Conference Series, 2014, 507, 022024.	0.3	6
65	Inkjet printing of multifilamentary YBCO for low AC loss coated conductors. Journal of Physics: Conference Series, 2014, 507, 022010.	0.3	8
66	Permanent Magnet Enhancement of Fully Superconducting MgB <sub>2</sub> -YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Bearing. Journal of Superconductivity and Novel Magnetism, 2013, 26, 923-929.	0.8	7
67	Beyond the Helium Conundrum. IEEE Transactions on Applied Superconductivity, 2013, 23, 0500113-0500113.	1.1	25
68	Inkjet Printing of Direct Carbon Solid Oxide Fuel Cell Components. ECS Transactions, 2013, 57, 1359-1369.	0.3	8
69	The Use of an MgB <sub>2</sub> Hollow Cylinder and Pulse Magnetized (RE)BCO Bulk for Magnetic Levitation Applications. IEEE Transactions on Applied Superconductivity, 2013, 23, 6800604-6800604.	1.1	15
70	Experimental characterization and elementary reaction modeling of a solid oxide electrolyte direct carbon fuel cell. Journal of Power Sources, 2013, 243, 159-171.	4.0	27
71	Pulsed Magnetic Field Assisted Technique for Joining MgB <sub>2</sub> Conductors for Persistent Mode MRI Magnets. IEEE Transactions on Applied Superconductivity, 2013, 23, 6200104-6200104.	1.1	18
72	DC Superconducting Cable Using MgB <sub>2</sub> Wires. IEEE Transactions on Applied Superconductivity, 2013, 23, 6200805-6200805.	1.1	19

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73	Feasibility of direct carbon solid oxide fuels cell (DC-SOFC) fabrication by inkjet printing technology. <i>Electrochimica Acta</i> , 2013, 105, 412-418.	2.6	25
74	Trapped fields up to 2 T in a 12 mm square stack of commercial superconducting tape using pulsed field magnetization. <i>Superconductor Science and Technology</i> , 2013, 26, 032001.	1.8	83
75	Efficient and Environmentally Friendly Ink-Jet Printing of Ceramic Thin Films. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 466-474.	0.4	8
76	Optimization of the copper addition to the core of in situ Cu-sheathed MgB <sub>2</sub> wires. <i>Superconductor Science and Technology</i> , 2013, 26, 105008.	1.8	16
77	Thin YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> patterns by Chemical Solution Processing using Ink-Jet Printing. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1547, 3-12.	0.1	1
78	Trapped fields greater than 7 T in a 12 mm square stack of commercial high-temperature superconducting tape. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	69
79	Stop squandering helium. <i>Nature</i> , 2012, 485, 573-575.	13.7	98
80	Enhanced trapped field achieved in a superconducting bulk using high thermal conductivity structures following simulated pulsed field magnetization. <i>Superconductor Science and Technology</i> , 2012, 25, 125015.	1.8	32
81	Ink-jet printing of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconducting coatings and patterns from aqueous solutions. <i>Journal of Materials Chemistry</i> , 2012, 22, 3717-3726.	6.7	58
82	A numerical study to investigate magnetization, current density and trapped field properties of doped YBCO bulk superconductor under different magnetic fields. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2558-2564.	0.8	6
83	Deposition of photocatalytically active TiO <sub>2</sub> films by inkjet printing of TiO <sub>2</sub> nanoparticle suspensions obtained from microwave-assisted hydrothermal synthesis. <i>Nanotechnology</i> , 2012, 23, 165603.	1.3	58
84	Two-axis Magnetic Field Orientation Dependence of Critical Current in Full-Width REBCO Coated Conductors. <i>Physics Procedia</i> , 2012, 36, 582-587.	1.2	3
85	High Force Magnetic Levitation Using Magnetized Superconducting Bulks as a Field Source for Bearing Applications. <i>Physics Procedia</i> , 2012, 36, 937-942.	1.2	29
86	Inkjet Printing, Pyrolysis and Crystallisation of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> Precursor Layers for Fully Chemical Solution Deposited Coated Conductors. <i>Physics Procedia</i> , 2012, 36, 1450-1455.	1.2	2
87	Improvement of the Critical Current of in Situ Cu-Sheathed MgB <sub>2</sub> Wires by Copper Additions and Toluene Doping. <i>Physics Procedia</i> , 2012, 36, 1594-1598.	1.2	8
88	Chemical solution deposition using ink-jet printing for YBCO coated conductors. <i>Superconductor Science and Technology</i> , 2012, 25, 065017.	1.8	56
89	Ultrasound assisted preparation of stable water-based nanocrystalline TiO <sub>2</sub> suspensions for photocatalytic applications of inkjet-printed films. <i>Applied Catalysis A: General</i> , 2012, 411-412, 60-69.	2.2	40
90	The influence of heat treatment parameters on pyrolysed TFA-derived YBCO films deposited by inkjet printing. <i>Materials Research Bulletin</i> , 2012, 47, 2032-2039.	2.7	10

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91	The effect of copper additions in the synthesis of in situ MgB <sub>2</sub> Cu-sheathed wires. Physica C: Superconductivity and Its Applications, 2012, 477, 66-73.	0.6	11
92	Optimisation of CGO suspensions for inkjet-printed SOFC electrolytes. Journal of the European Ceramic Society, 2012, 32, 2317-2324.	2.8	42
93	An in-depth in situ IR study of the thermal decomposition of copper trifluoroacetate hydrate. Journal of Fluorine Chemistry, 2012, 135, 59-67.	0.9	28
94	An in-depth in situ IR study of the thermal decomposition of yttrium trifluoroacetate hydrate. Journal of Thermal Analysis and Calorimetry, 2012, 107, 681-691.	2.0	31
95	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
96	New fully superconducting bearing concept using the difference in irreversibility field of two superconducting components. Superconductor Science and Technology, 2011, 24, 015009.	1.8	24
97	Fault Current Limitation in Power Network by the Superconducting Transformers Made of 2G HTS. IEEE Transactions on Applied Superconductivity, 2011, 21, 1413-1416.	1.1	22
98	Ink Jet Printing for Functional Ceramic Coatings. Journal of Imaging Science and Technology, 2011, 55, 40304-1-40304-7.	0.3	11
99	Inkjet printing of gadolinium-doped ceria electrolyte on NiO-YSZ substrates for solid oxide fuel cell applications. Journal of Materials Science, 2011, 46, 6889-6896.	1.7	36
100	An in-depth in situ IR study of the thermal decomposition of barium trifluoroacetate hydrate. Thermochimica Acta, 2011, 513, 33-37.	1.2	33
101	Inkjet printing of multiple Ce <sub>0.8</sub> Gd <sub>0.2</sub> O <sub>2</sub> buffer layers on a Ni-5%W substrate. Journal of Physics: Conference Series, 2010, 234, 022024.	0.3	3
102	Inkjet printing of Ce <sub>0.8</sub> Gd <sub>0.2</sub> O <sub>2</sub> thin films on Ni-5%W flexible substrates. Journal of Sol-Gel Science and Technology, 2010, 54, 154-164.	1.1	26
103	Chemical solution deposited lanthanum zirconium oxide thin films: Synthesis and chemistry. Materials Chemistry and Physics, 2010, 122, 305-310.	2.0	32
104	Ongoing ascent to the helium production plateau—Insights from system dynamics. Resources Policy, 2010, 35, 77-89.	4.2	40
105	Direct ceramic inkjet printing of yttria-stabilized zirconia electrolyte layers for anode-supported solid oxide fuel cells. Journal of Power Sources, 2010, 195, 7160-7167.	4.0	86
106	Novel <i>ex situ</i> MgB <sub>2</sub> barrier for <i>in situ</i> monofilamentary MgB <sub>2</sub> conductors with Fe and Cu sheath material. Superconductor Science and Technology, 2010, 23, 025018.	1.8	12
107	Cu Ti Formation in Nb Ti/Cu Superconducting Strand Monitored by <i>In Situ</i> Techniques. Defect and Diffusion Forum, 2010, 297-301, 695-701.	0.4	0
108	Study of short duration heat treatments of an in situ copper-sheathed MgB <sub>2</sub> wire. Superconductor Science and Technology, 2010, 23, 105009.	1.8	10



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109	Modelling of transient state phenomena of composite superconducting conductors during pulse $I_c(B)$ measurements. Journal of Physics: Conference Series, 2010, 234, 022019.	0.3	3
110	Superconducting magnetic heterostructures: a method of decreasing AC losses and improving critical current density in multifilamentary conductors. Journal of Physics Condensed Matter, 2009, 21, 254206.	0.7	10
111	The role of sol gel processing in the development of high-temperature superconductors for AC applications. Journal of Sol-Gel Science and Technology, 2009, 51, 335-347.	1.1	10
112	Influence of magnetic materials on the transport properties of superconducting composite conductors. Superconductor Science and Technology, 2009, 22, 034013.	1.8	14
113	Non-Uniform Bronze Formation in Internal Tin $\text{Nb}_3\text{Sn}$ Wire. IEEE Transactions on Applied Superconductivity, 2009, 19, 2593-2597.	1.1	5
114	Electromagnetic Characterization of Carbon Nanotube Films Subject to an Oxidative Treatment at Elevated Temperature. Journal of Nanoscience and Nanotechnology, 2009, 9, 4543-4553.	0.9	2
115	Microstructure development in $\text{Nb}_3\text{Sn}(\text{Ti})$ internal tin superconducting wire. Journal of Materials Science, 2008, 43, 3522-3530.	1.7	17
116	Assessment of liquid hydrogen cooled $\text{MgB}_2$ conductors for magnetically confined fusion. Journal of Physics: Conference Series, 2008, 97, 012333.	0.3	10
117	Microwave characterization of nanostructured ferroelectric $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{TiO}_3$ thin films fabricated by pulsed laser deposition. Nanotechnology, 2008, 19, 485704.	1.3	20
118	Study of microstructural and resistivity changes during thermal processing of tin bronze for superconducting applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 454-455, 216-220.	2.6	2
119	Rapid characterization of superconducting wires and tapes in strong pulsed magnetic fields. Physica C: Superconductivity and Its Applications, 2007, 460-462, 839-840.	0.6	1
120	Phase transformation analysis throughout an anhydrous fluorine based sol-gel YBCO processing route. Materials Chemistry and Physics, 2007, 105, 99-104.	2.0	3
121	Synthesis of highly textured superconducting $\text{NdBa}_2\text{Cu}_3\text{O}_{7-y}$ thin films by two aqueous sol-gel dip coating techniques. Journal of Sol-Gel Science and Technology, 2007, 41, 113-122.	1.1	4
122	Highly textured $\text{La}_2\text{Zr}_2\text{O}_7$ and $\text{CeO}_2$ buffer layers by ink jet printing for coated conductors. Journal of Materials Science, 2007, 42, 7129-7134.	1.7	9
123	The influence of unidirectional copper alloying on the critical current density of $\text{MgB}_2$ . Superconductor Science and Technology, 2006, 19, 116-121.	1.8	12
124	Experimental and Numerical Analysis of Electrothermal and Mechanical Phenomena in HTS Tube of Inductive SFCL. IEEE Transactions on Applied Superconductivity, 2006, 16, 711-714.	1.1	13
125	Computerised optimisation of bronze route $\text{Nb}_3\text{Sn}$ conductors. Journal of Physics: Conference Series, 2006, 43, 35-38.	0.3	3
126	Monitoring of intermetallic phase formation in jelly-rolled Nb/Al multifilamentary conductors by in-situ resistometry. Intermetallics, 2006, 14, 450-455.	1.8	1



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127	Synthesis of highly textured superconducting NdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-y</sub> thin films using an aqueous inorganic sol-gel dip coating technique. Journal of Physics: Conference Series, 2006, 43, 187-190.	0.3	0
128	Pulsed critical current measurements of NbTi in perpendicular and parallel pulsed magnetic fields using the new Cryo-BI-Pulse System. Journal of Physics: Conference Series, 2006, 43, 682-685.	0.3	3
129	HTS magnet for 7.3 kJ SMES system. Journal of Physics: Conference Series, 2006, 43, 821-824.	0.3	14
130	Transport AC losses in striated YBCO coated conductors. Journal of Physics: Conference Series, 2006, 43, 564-567.	0.3	6
131	Critical current and cryogenic stability modelling of filamentary MgB <sub>2</sub> conductors. Journal of Physics: Conference Series, 2006, 43, 103-106.	0.3	5
132	Evaluation of Bi-W-oxides for visible light photocatalysis. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 327-335.	0.8	73
133	Chemical synthesis and microstructural analysis of superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> ink deposited by drop-on-demand ink-jet printing on silver substrates. Journal of Materials Science, 2006, 41, 8257-8264.	1.7	8
134	Prospects of Application of Superconductivity in Underground Transmission Lines and Levitating Trains. Advances in Science and Technology, 2006, 47, 246.	0.2	1
135	Sol-Gel Ink-Jet Printing Technique for Synthesis of Buffer Layers of Coated Conductors. Advances in Science and Technology, 2006, 47, 153.	0.2	10
136	Reaction Diffusion Behaviour in Bronze Route Cu-Nb-Sn Superconducting Wires. Defect and Diffusion Forum, 2006, 258-260, 152-157.	0.4	0
137	Reactive Diffusion in Cu-Nb-Sn Internal Tin Superconducting Wires for the ITER Project. Defect and Diffusion Forum, 2006, 258-260, 294-298.	0.4	0
138	Bi <sub>2</sub> O <sub>3</sub> ·WO <sub>3</sub> compounds for photocatalytic applications by solid state and viscous processing. Journal of Power Sources, 2005, 145, 667-674.	4.0	22
139	In situ and ex situ Cu doping of MgB <sub>2</sub> . Physica C: Superconductivity and Its Applications, 2005, 418, 99-106.	0.6	14
140	Chemical and Physical Analysis of Acetate-Oxide Sol-Gel Processing Routes for the Y-Ba-Cu-O System. Journal of Sol-Gel Science and Technology, 2005, 36, 87-94.	1.1	20
141	(RE)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Coated Conductors for AC and DC Applications. , 2005, , 765-831.		5
142	Improved current densities in MgB <sub>2</sub> by liquid-assisted sintering. Applied Physics Letters, 2005, 86, 242501.	1.5	15
143	In-Situ Resistance Measurements of RHQT Processed $\text{Nb}_3\text{Al}$ Superconductors. IEEE Transactions on Applied Superconductivity, 2005, 15, 3532-3535.	1.1	2
144	Development of Nb-Based Conductors. , 2005, , 697-738.		3

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145	AC Losses in Striated YBCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2005, 15, 2819-2822.	1.1	68
146	Effect of heating rates on superconducting properties of pure MgB <sub>2</sub> , carbon nanotube- and nano-SiC-doped in situ MgB <sub>2</sub> •Fe wires. Applied Physics Letters, 2005, 87, 182504.	1.5	31
147	In situ resistance measurements of bronze process Nb–Sn–Cu–Ta multifilamentary composite conductors during reactive diffusion. Superconductor Science and Technology, 2004, 17, 663-670.	1.8	8
148	YBCO/Nd <sub>2</sub> CuO <sub>4</sub> /NiO/Ni coated conductors fabricated by liquid phase epitaxy based techniques. Superconductor Science and Technology, 2004, 17, 1144-1147.	1.8	3
149	Nucleation controlled surface oxidation epitaxy of thermally grown NiO on (001) Ni for coated conductor applications assisted by Mo or Mn microalloying. Physica C: Superconductivity and Its Applications, 2004, 405, 219-226.	0.6	5
150	Influence of heating rates on in situ resistance measurements of a bronze route Nb–Sn–Cu–Ta multifilamentary conductor. Physica C: Superconductivity and Its Applications, 2004, 415, 179-188.	0.6	1
151	Numerical modeling of heating and current-sharing effects on I–V curves of Y1Ba2Cu3O7 and MgB <sub>2</sub> conductors. Physica C: Superconductivity and Its Applications, 2004, 401, 140-145.	0.6	18
152	Nanoparticles of the superconductor MgB <sub>2</sub> : structural characterization and in situ study of synthesis kinetics. Acta Materialia, 2004, 52, 5757-5760.	3.8	15
153	Influence of in situ ZnO addition on the properties of MgB <sub>2</sub> . Superconductor Science and Technology, 2004, 17, 243-248.	1.8	10
154	Hybrid liquid phase epitaxy processes for YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> film growth. Superconductor Science and Technology, 2004, 17, 1215-1223.	1.8	32
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