

Mitsuru Izumi

List of Publications by Year in descending order

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papers

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docs citations

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4337
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of the Waveform Control Pulse Magnetization of a High-Temperature Superconducting Bulk With Negative Feedback. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-10.	1.1	0
2	Double Armature HTS Bulk Synchronous Machine for Contra-Rotating Turbine Generator. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	3
3	Waveform Control Pulse Magnetization of GdBaCuO Bulk Near Operating Temperature of Our Superconducting Rotating Machine. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	0
4	The discrepancies in different facets of MgB ₂ bulk superconductors prepared under various sintering durations by spark plasma sintering. Superconductor Science and Technology, 2021, 34, 045011.	1.8	8
5	Stability model of bulk HTS field pole of a synchronous rotating machine under load conditions. Superconductor Science and Technology, 2021, 34, 035015.	1.8	5
6	Numerical analysis of magnetic levitation forces for bulk superconductors with different superconducting junctions between multiple-seed-growth domains. Superconductor Science and Technology, 2021, 34, 055002.	1.8	1
7	Design and test results of a novel quench protection circuit for a HTS ship propulsion motor. Engineering Research Express, 2021, 3, 025020.	0.8	2
8	Experimental investigation of the thermal performance of the thermosyphon cooling system with rotating. Journal of Physics: Conference Series, 2021, 1975, 012035.	0.3	0
9	Investigating the flux jump behaviour during single waveform control pulsed field magnetization of GdBaCuO superconducting bulk. Journal of Physics: Conference Series, 2021, 1975, 012018.	0.3	1
10	Double armature HTS bulk synchronous machine. Journal of Physics: Conference Series, 2021, 1975, 012034.	0.3	3
11	Waveform Control Pulsed Magnetization of GdBaCuO Bulk Using Negative Feedback at 60 K. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	5
12	Core Loss of a Bulk HTS Synchronous Machine at 2 and 3 T Rotor Magnetisation. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.1	16
13	Electrical design and structure optimization of 10 MW fully superconducting wind turbine generators. Physica C: Superconductivity and Its Applications, 2020, 578, 1353767.	0.6	4
14	Improvement of trapped magnetic field in GdBCO by waveform control pulse magnetization at 70 K. Journal of Physics: Conference Series, 2020, 1559, 012030.	0.3	5
15	A Power Take-Off Device With an HTS Synchronous Reluctance Linear Generator. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.1	3
16	Preface to Special Issue on "Challenges of High Temperature Superconducting Bulk Materials for Creation of Future Society". IEEJ Transactions on Power and Energy, 2020, 140, 140-140.	0.1	0
17	Efforts toward Practical Application of Uniform Magnetic Field using Superconducting Bulk Magnets. IEEJ Transactions on Power and Energy, 2020, 140, 162-165.	0.1	1
18	Recent Progress on the Development of High Temperature Superconducting Bulk Materials. IEEJ Transactions on Power and Energy, 2020, 140, 141-147.	0.1	1

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19	Study of neon heat flux in thermosyphon cooling system for high-temperature superconducting machinery. International Journal of Thermal Sciences, 2019, 142, 258-265.	2.6	6
20	Study of the heat transfer capacity of thermosyphon cooling system under the inclined condition. IOP Conference Series: Materials Science and Engineering, 2019, 502, 012142.	0.3	2
21	Enhancement of superconducting properties of GdBCO bulk with the additives of Gd ₃ ZrO ₇ particles. IOP Conference Series: Materials Science and Engineering, 2019, 677, 052042.	0.3	0
22	Development of a De-oiling System for Seabed Sediments. , 2019, , 195-202.		0
23	Waveform Control Pulse Magnetization for HTS Bulk With Flux Jump. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	17
24	Loss Analysis of a 3-MW High-Temperature Superconducting Ship Propulsion Motor. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	10
25	Comparative Study of 1-MW PM and HTS Synchronous Generators for Marine Current Turbine. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	16
26	Overview Study on Electrical Design of Large-Scale Wind Turbine HTS Generators. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	12
27	Electromechanical Design of an MW Class Wave Energy Converter With an HTS Tubular Linear Generator. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	14
28	Sea urchin survey by small ROV : “ Study of the Urchin barren “. , 2018, , .		1
29	Design Study of Large-Scale HTS Linear Generators for Wave Energy Conversion. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	9
30	Trapped Flux Behavior in Melt-Growth GdBCO Bulk Superconductor Under Off-Axis Field Cooled Magnetization. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	4
31	Corrections to “Design Study of Large-Scale HTS Linear Generators for Wave Energy Conversion” [Jun 17 Art. no. 5202105]. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-1.	1.1	2
32	YBa ₂ Cu ₃ O _{7-δ} superconductor bulks composited by Y ₂ BaCuO ₅ nanoparticles derived from homogeneous nucleation catastrophe. Journal of the American Ceramic Society, 2017, 100, 3858-3864.	1.9	12
33	Significant flux trapping in single grain GdBCO bulk superconductor under off-axis field cooled magnetization. Superconductor Science and Technology, 2017, 30, 035019.	1.8	7
34	High power density superconducting rotating machines” development status and technology roadmap. Superconductor Science and Technology, 2017, 30, 123002.	1.8	309
35	Study on Key Design Technologies of a Wave Energy Converter With an HTS Linear Generator. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-8.	1.1	7
36	Load Test of 3-MW HTS Motor for Ship Propulsion. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	39

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37	Performance Comparison of MW Class Tubular Linear Generators for Wave Energy Conversion. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-6.	1.1	15
38	Electrical design of large-scale tubular PM linear generators for wave energy conversion. IEEE Transactions on Electrical and Electronic Engineering, 2017, 12, S113.	0.8	4
39	Comparison of simulated and experimental results of temperature distribution in a closed two-phase thermosyphon cooling system. IOP Conference Series: Materials Science and Engineering, 2017, 278, 012022.	0.3	0
40	Oriented antibody immobilization on self-assembled monolayers applied as impedance biosensors. Journal of Physics: Conference Series, 2017, 924, 012015.	0.3	12
41	Flux pinning properties of GdBCO bulk through the infiltration and growth process. IOP Conference Series: Materials Science and Engineering, 2017, 213, 012049.	0.3	1
42	Trapped Field Performance of the $Gd_{1-x}Ba_2Cu_3O_{7-\delta}$ Bulk Superconductors Fabricated by Cooling-Rate-Control-Melt-Growth. Journal of Physics: Conference Series, 2017, 871, 012054.	0.3	2
43	The effect of condensation area and operating temperature on heat transfer capacity of a closed loop thermosyphon cooling system for HTS machinery. IOP Conference Series: Materials Science and Engineering, 2017, 278, 012024.	0.3	4
44	Materials preparation and magnetization of Gd-Ba-Cu-O bulk high-temperature superconductors. Superconductor Science and Technology, 2016, 29, 054005.	1.8	2
45	Protein-G-based human immunoglobulin G biosensing by electrochemical impedance spectroscopy. Japanese Journal of Applied Physics, 2016, 55, 02BE06.	0.8	7
46	Recent advances in superconducting rotating machines: an introduction to the "Focus on Superconducting Rotating Machines"™. Superconductor Science and Technology, 2016, 29, 060303.	1.8	9
47	Waveform control pulse magnetization for HTS bulk magnet. Journal of Physics: Conference Series, 2016, 695, 012009.	0.3	9
48	Melt-growth bulk superconductors and application to an axial-gap-type rotating machine. Superconductor Science and Technology, 2016, 29, 044005.	1.8	25
49	Two-Dimensional Measurement Technique for Dynamic Magnetic Flux Density Distribution on the Surface of HTS Bulk. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	0
50	Study of HTS Machine System Cooling With a Closed-Loop Thermosyphon: Stability of Unsteady Heat Load and Transient Conduction. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	9
51	Optimization Study of Machine Parameters for 10-MW Salient-Pole Wind Turbine HTS Generators. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	6
52	Improvement of Gd123 superconductor bulks with the additions of BaFe12O19. IOP Conference Series: Materials Science and Engineering, 2015, 87, 012077.	0.3	2
53	Electric Propulsion Motor Development for Commercial Ships in Japan. Proceedings of the IEEE, 2015, 103, 2333-2343.	16.4	54
54	Performance Comparison of 10-MW Wind Turbine Generators With HTS, Copper, and PM Excitation. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.1	10

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55	Study of Key Parameters and Cryogenic Vessel Structure of 10-MW Salient-Pole Wind Turbine HTS Generators. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.1	24
56	Operating Temperature Influence on Performance of 10 MW Wind Turbine HTS Generators. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	18
57	Performance enhancement of Gd-Ba-Cu-O high temperature superconducting bulks by BaHfO ₃ as pinning centers. Physica C: Superconductivity and Its Applications, 2015, 510, 54-56.	0.6	7
58	Improvement of Flux Deflection With Light-Weight Magnetic Material. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	3
59	Study of the Thermosyphon Cooling System with a Vessel in the Sea States. Physics Procedia, 2015, 67, 245-249.	1.2	6
60	Impedimetric and amperometric bifunctional glucose biosensor based on hybrid organic-inorganic thin films. Bioelectrochemistry, 2015, 101, 1-7.	2.4	34
61	Introducing Nanosized Pinning Centers Into Bulk Gd-Ba-Cu-O by Infiltration Method. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	814
62	Effect of BaFe ₁₂ O ₁₉ nanoparticles doped on the properties of single domain GdBa ₂ Cu ₃ O _{7-δ} high-temperature superconductors. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 247401.	0.2	0
63	Pt-Au interdigitated array electrodes for biosensing applications. Transactions of the Materials Research Society of Japan, 2014, 39, 239-242.	0.2	0
64	Flux pinning properties of Gd-Ba-Cu-O trapped field magnets grown by a modified top-seeded melt growth. Superconductor Science and Technology, 2014, 27, 044015.	1.8	18
65	Electrical Design Study of 10-MW Salient-Pole Wind Turbine HTS Synchronous Generators. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-6.	1.1	36
66	Trapped Flux Dependence of Bulk High-Temperature Superconductors Between 77 and 30 K under a Limited Excitation Field. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1413-1417.	0.8	2
67	Flux pinning behaviors of a textured Gd-Ba-Cu-O superconductor mediated by the addition of BaTiO ₃ , TiO ₂ and BaO ₂ . Physica C: Superconductivity and Its Applications, 2014, 496, 28-34.	0.6	13
68	Preparation of large-area molecular junctions with metallic conducting Langmuir-Blodgett films. Thin Solid Films, 2014, 554, 84-88.	0.8	3
69	Flux Trapping and Field Magnet Stability of Bulk Superconductors. Journal of Physics: Conference Series, 2014, 507, 012021.	0.3	1
70	Progress in Processing of Thin Wall HTc Bulk Superconducting Cryomagnets. Journal of Superconductivity and Novel Magnetism, 2013, 26, 959-963.	0.8	1
71	The Effect of Recrystallization of Fine Inclusions on the Enhancement of Flux Pinning in Textured Gd-Ba-Cu-O Bulk Superconductors. IEEE Transactions on Applied Superconductivity, 2013, 23, 8001804-8001804.	1.1	2
72	Trapped Magnetic Flux of Bulk HTS Magnets in the External AC Magnetic Field at Low Temperatures. IEEE Transactions on Applied Superconductivity, 2013, 23, 8201604-8201604.	1.1	10

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73	Three-Dimensional Analysis of Magnetic Flux Deflector. IEEE Transactions on Applied Superconductivity, 2013, 23, 4900905-4900905.	1.1	7
74	Helium-Neon Gas Mixture Thermosyphon Cooling and Stability for Large Scale HTS Synchronous Motors. IEEE Transactions on Applied Superconductivity, 2013, 23, 5200704-5200704.	1.1	17
75	NiFe alloy particles doping effect of Gd-Ba-Cu-O bulks processed by a new cold-seeding technology. Transactions of Nonferrous Metals Society of China, 2013, 23, 2042-2046.	1.7	6
76	TiO ₂ addition effect on flux pinning properties of bulk GdBa ₂ Cu ₃ O _{7-δ} superconductors. Physica C: Superconductivity and Its Applications, 2013, 484, 112-116.	0.6	9
77	Significant improvement of trapped flux in bulk Gd-Ba-Cu-O grains fabricated by a modified top-seeded melt growth process. Superconductor Science and Technology, 2013, 26, 015003.	1.8	22
78	FLUX TRAPPING PROPERTIES OF BULK HIGH-T _c SUPERCONDUCTORS IN STATIC FIELD-COOLING MAGNETIZATION. International Journal of Modern Physics B, 2013, 27, 1362026.	1.0	0
79	Cryogenic Rotary Joints Applied to the Cooling of Superconducting Rotating Machinery. IEEE Transactions on Applied Superconductivity, 2013, 23, 5201204-5201204.	1.1	8
80	Electrochemical impedance spectroscopy biosensor with interdigitated electrode for detection of human immunoglobulin A. Biosensors and Bioelectronics, 2013, 40, 422-426.	5.3	108
81	Superconductivity and the environment: a Roadmap. Superconductor Science and Technology, 2013, 26, 113001.	1.8	113
82	Process Technology and Superconducting Properties of Bulk HTS With Multi-RE Elements. IEEE Transactions on Applied Superconductivity, 2013, 23, 6800104-6800104.	1.1	2
83	Doping Effect of Fe-Ni Alloy Particles on Flux Pinning in Gd-Ba-Cu-O Bulk Superconductor. IEEE Transactions on Applied Superconductivity, 2013, 23, 7200804-7200804.	1.1	3
84	Flux Deflection on Rotating Field Pole Magnets for HTS Machines. IEEE Transactions on Applied Superconductivity, 2013, 23, 4603304-4603304.	1.1	12
85	R [∧] [∧] D Status of Key Hard Technologies for Large Scale HTS Rotating Machine for Ship Propulsion. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2013, 48, 12-22.	0.1	5
86	MgO buffer-layer-induced texture growth of RE-Ba-Cu-O bulk. Superconductor Science and Technology, 2012, 25, 025022.	1.8	20
87	A 100-W grade closed-cycle thermosyphon cooling system used in HTS rotating machines. , 2012, , .		13
88	An overview of rotating machine systems with high-temperature bulk superconductors. Superconductor Science and Technology, 2012, 25, 103001.	1.8	95
89	Microstructure and superconducting properties in air-properties GdBa ₂ Cu ₃ O _{7-δ} superconductor with the additives of nano particles. Journal of Physics: Conference Series, 2012, 400, 022144.	0.3	0
90	Trapped Flux and Levitation Properties of Multiseeded YBCO Bulks for HTS Magnetic Device Applications—Part I: Grain and Current Features. IEEE Transactions on Applied Superconductivity, 2012, 22, 6800110-6800110.	1.1	25

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91	Trapped Flux and Levitation Properties of Multiseeded YBCO Bulks for HTS Magnetic Device Applications—Part II: Practical and Achievable Performance. IEEE Transactions on Applied Superconductivity, 2012, 22, 6800210-6800210.	1.1	29
92	Investigation of Microstructure and Superconducting Properties in the Fe—B Magnetic Particles Doped GdBa ₂ Cu ₃ O _{7-δ} /Ag ₂ O and GdBa ₂ Cu ₃ O _{7-δ} /nano—Ag Superconducting Bulks. Physics Procedia, 2012, 36, 557-562.	1.2	1
93	Pulsed-Field Magnetization Properties of Bulk Superconductors by Employment of Vortex-Type Coils. Physics Procedia, 2012, 36, 958-962.	1.2	5
94	Reduction of Thermal Loss in HTS Windings by Using Magnetic Flux Deflection. Physics Procedia, 2012, 36, 1175-1179.	1.2	4
95	Materials process and applications of single grain (RE)—Ba—Cu—O bulk high-temperature superconductors. Physica C: Superconductivity and Its Applications, 2012, 482, 50-57.	0.6	37
96	Relaxation Properties of the Trapped Flux of Bulk High-Temperature Superconductors at Different Magnetization Levels. Journal of Superconductivity and Novel Magnetism, 2012, 25, 331-338.	0.8	7
97	Effects of self-assembled monolayers on amperometric glucose biosensors based on an organic—inorganic hybrid system. Sensors and Actuators B: Chemical, 2012, 168, 249-255.	4.0	15
98	Structural and magnetic properties in the powder form of Sn _{1-x} Cr _x O ₂ solid solution. Physica B: Condensed Matter, 2012, 407, 624-628.	1.3	2
99	Enhanced pinning effect in air-processed Gd-123 bulk superconductors with BaTiO ₃ addition. Physica C: Superconductivity and Its Applications, 2012, 475, 51-56.	0.6	14
100	The Effectiveness of Pulsed-Field Magnetization with Respect to Different Performance Bulk Superconductors. Journal of Superconductivity and Novel Magnetism, 2012, 25, 61-66.	0.8	10
101	Fabrication and characterization of non-labeled IgA immunosensor. Transactions of the Materials Research Society of Japan, 2012, 37, 255-258.	0.2	0
102	Fabrication of Tunneling Macro Junctions with Self-Assembled Monolayer and Langmuir-Blodgett Films. Transactions of the Materials Research Society of Japan, 2012, 37, 259-262.	0.2	0
103	Enhancement of the Critical Current Densities and Trapped Flux of Gd-Ba-Cu-O Bulk HTS Doped With Magnetic Particles. IEEE Transactions on Applied Superconductivity, 2011, 21, 2714-2717.	1.1	10
104	Critical Current and Electric Loss Under Magnetic Field at 30 K on Bi-2223 Superconducting Coil for Ship Propulsion Motor. IEEE Transactions on Applied Superconductivity, 2011, 21, 1127-1130.	1.1	23
105	Pulsed Field Magnetization Properties of Bulk RE-Ba-Cu-O as Pole-Field Magnets for HTS Rotating Machines. IEEE Transactions on Applied Superconductivity, 2011, 21, 1180-1184.	1.1	16
106	Influence of AC Magnetic Field on a Rotating Machine With Gd-Bulk HTS Field-Pole Magnets. IEEE Transactions on Applied Superconductivity, 2011, 21, 1185-1189.	1.1	12
107	Enhanced JC in air-processed GdBa ₂ Cu ₃ O _{7-δ} superconductor bulk grown by the additions of nano-particles. Physica C: Superconductivity and Its Applications, 2011, 471, 840-842.	0.6	19
108	Trapped field recovery of bulk superconductor magnets by static field magnetization. Physica C: Superconductivity and Its Applications, 2011, 471, 1459-1463.	0.6	5

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109	Enhanced Flux Pinning and Microstructural Study of Single-Domain Gd-Ba-Cu-O Bulk Superconductors With the Addition of Fe-Containing Alloy Particles. IEEE Transactions on Magnetics, 2011, 47, 4139-4142.	1.2	3
110	Influence of grain boundary connectivity on the trapped magnetic flux of multi-seeded bulk superconductors. Physica C: Superconductivity and Its Applications, 2011, 471, 504-508.	0.6	6
111	Preparation of Amperometric Glucose Biosensor Based on 4-Mercaptobenzoic Acid. Physics Procedia, 2011, 14, 2-6.	1.2	9
112	Fabrication of Metal-Insulator-Metal Junction with Metallic Conductive Langmuir-Blodgett Films. Physics Procedia, 2011, 14, 134-138.	1.2	6
113	Gap-related trapped magnetic flux dependence between single and combined bulk superconductors. Physica C: Superconductivity and Its Applications, 2011, 471, 314-317.	0.6	2
114	Development of a Cryogenic Helium-Neon Gas Mixture Cooling System for Use in a Gd-Bulk HTS Synchronous Motor. IEEE Transactions on Applied Superconductivity, 2011, 21, 2213-2216.	1.1	28
115	Microstructural and superconducting properties in single-domain Gd-Ba-Cu-O bulk superconductors with in situ formed Fe ₃ O ₄ ferrimagnetic particles. Superconductor Science and Technology, 2011, 24, 085001.	1.8	15
116	Advances in a Gd-Bulk HTS Synchronous Motor. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	0.1	2
117	Thin Film Biosensor Based on Organic-inorganic Hybrid System. Transactions of the Materials Research Society of Japan, 2011, 36, 161-164.	0.2	0
118	Organic-Inorganic Hybrid Ultra-Thin Films Applied to Glucose Biosensor. IEICE Transactions on Electronics, 2011, E94-C, 1855-1857.	0.3	0
119	Trapped magnetic field measurements on HTS bulk by peak controlled pulsed field magnetization. Journal of Physics: Conference Series, 2010, 234, 032023.	0.3	5
120	Development of the cryo-rotary joint for a HTS synchronous motor with Gd-bulk HTS field-pole magnets. Journal of Physics: Conference Series, 2010, 234, 032039.	0.3	9
121	Characterization of pinning stability of HTS Gd123 bulks by using a pulsed-field magnetization. Journal of Physics: Conference Series, 2010, 234, 012042.	0.3	0
122	Development of a field pole of 1 MW-class HTS motor. Journal of Physics: Conference Series, 2010, 234, 032067.	0.3	4
123	Study of bulk current leads for an axial type of HTS propulsion motor. Journal of Physics: Conference Series, 2010, 234, 032059.	0.3	1
124	Effect of addition of soft magnetic alloy particles on the flux trapping in Gd123 bulk superconductors. Journal of Physics: Conference Series, 2010, 234, 012019.	0.3	2
125	Development of 1 MW-class HTS motor for podded ship propulsion system. Journal of Physics: Conference Series, 2010, 234, 032060.	0.3	48
126	Materials processing and machine applications of bulk HTS. Superconductor Science and Technology, 2010, 23, 124001.	1.8	25

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127	APPLIED HTS BULKS AND WIRES TO ROTATING MACHINES FOR MARINE PROPULSION. , 2010, , .		2
128	Enhanced J_c in air-processed $GdBa_2Cu_3O_{7-x}$ superconductor bulk grown by the additions of two Nd_2BaCuO_5 seeds. Physica C: Superconductivity and Its Applications, 2010, 470, 1164-1166.	0.6	1
129	Spatial variation of superconducting properties of Gd_{123} Bulk superconductors with magnetic particles addition. Physica C: Superconductivity and Its Applications, 2010, 470, 1219-1223.	0.6	9
130	Enhanced performance in bulk superconductor $GdBa_2Cu_3O_7$ with additions of $-Fe_2O_3$ particles. Journal of Physics: Conference Series, 2010, 234, 012052.	0.3	9
131	Optimization of a condensed-neon cooling system for a HTS synchronous motor with Gd -bulk HTS field-pole magnets. Journal of Physics: Conference Series, 2010, 234, 032009.	0.3	14
132	Preparation of Amperometric Biosensor Based on Organic-inorganic Hybrid System. Transactions of the Materials Research Society of Japan, 2010, 35, 327-330.	0.2	3
133	Development of New Amperometric Biosensors based on Organic-inorganic Hybrid Ultra-thin Films. IEEJ Transactions on Fundamentals and Materials, 2010, 130, 141-146.	0.2	0
134	Applied High-Temperature Superconductor Bulks and Wires to Rotating Machines for Marine Propulsion. , 2010, , 245-250.		0
135	Bi-2223 Field-Poles Without Iron Core for an Axial Type of HTS Propulsion Motor. IEEE Transactions on Applied Superconductivity, 2009, 19, 1687-1691.	1.1	10
136	Study of HTS Bulk Current Lead With Metal Alloy Impregnation Under Vacuum. IEEE Transactions on Applied Superconductivity, 2009, 19, 2214-2217.	1.1	3
137	Flux pinning properties in a $GdBa_2Cu_3O_{7-x}$ bulk superconductor with the addition of magnetic alloy particles. Superconductor Science and Technology, 2009, 22, 095009.	1.8	43
138	Transmission Electron Microscopy and Atomic Force Microscopy Observation of Air-Processed $GdBa_2Cu_3O_7$ Superconductors Doped with Metal Oxide Nanoparticles (Metal = Zr, Zn, and Sn). Japanese Journal of Applied Physics, 2009, 48, 023002.	0.8	10
139	Growth and properties of air-processed $GdBa_2Cu_3O_{7-x}$ superconductors with fined Gd_2BaCuO_5 and $Gd_2Ba_4CuFeO_y$ additions. Physica C: Superconductivity and Its Applications, 2009, 469, 1169-1172.	0.6	8
140	Amperometric cholesterol biosensors based on hybrid organic-inorganic Langmuir-Blodgett films. Thin Solid Films, 2009, 518, 596-599.	0.8	18
141	Synthesis, characterization and melt processing of $Y_{1-x}(Yb_{0.9}Nd_{0.1})_xBa_2Cu_3O_z$ superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 1211-1214.	0.6	1
142	Enhancement of critical current density in Gd_{123} bulk superconductor doped with magnetic powder. Physica C: Superconductivity and Its Applications, 2009, 469, 1215-1217.	0.6	20
143	Single pulsed field magnetization for a $Gd-Ba-Cu-O$ high-temperature superconductor large bulk with a diameter of 140 mm. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 151, 101-106.	1.7	1
144	Effect of ZrO_2 and ZnO nanoparticles inclusions on superconductive properties of the melt-processed $GdBa_2Cu_3O_{7-x}$ bulk superconductor. Physica C: Superconductivity and Its Applications, 2008, 468, 1363-1365.	0.6	29

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145	Gd-123 bulk field pole magnets cooled with condensed neon for axial-gap type synchronous motor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 151, 111-116.	1.7	9
146	Preparation of an enzymatic glucose sensor based on hybrid organic-inorganic Langmuir-Blodgett films: Adsorption of glucose oxidase into positively charged molecular layers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 321, 47-51.	2.3	28
147	Effects of interfacial modification on the performance of an organic transistor based on TCNQ LB films. <i>Thin Solid Films</i> , 2008, 516, 2747-2752.	0.8	8
148	Immobilization of glucose oxidase in Langmuir-Blodgett films containing Prussian blue nano-clusters. <i>Thin Solid Films</i> , 2008, 516, 8860-8864.	0.8	8
149	Trapped field measurements of Gd-Ba-Cu-O bulk superconductor in controlled pulse field magnetizing. <i>Journal of Physics: Conference Series</i> , 2008, 97, 012292.	0.3	6
150	Practical technique of pulsed field magnetization for bulk HTS application. <i>Journal of Physics: Conference Series</i> , 2008, 97, 012295.	0.3	8
151	Study of field-pole Bi2223 windings of air core type for a HTS propulsion motor. <i>Journal of Physics: Conference Series</i> , 2008, 97, 012287.	0.3	4
152	Pulsed-field magnetization study for Gd123 bulk HTS cooled with condensed neon for axial-gap type synchronous motor. <i>Journal of Physics: Conference Series</i> , 2008, 97, 012194.	0.3	5
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