

# Gen Nishijima

## List of Publications by Year in descending order

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all docs

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docs citations

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times ranked

1291  
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical current improvement and resistance evaluation of superconducting joint between Bi2223 tapes. Superconductor Science and Technology, 2022, 35, 02LT02.	1.8	11
2	In-Field Evaluation of REBCO Superconducting Joint. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.1	3
3	Demonstration of kA-Class Rutherford Cables Using MgB <sub>2</sub> Wires for an Energy Storage Device Suitable for a Liquid Hydrogen Indirect Cooling. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	4
4	Measurement of Irreversible External-Compressive Strain at RT and Enhancing Strain Tolerance at RT on MgB <sub>2</sub> Multifilament Wire. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	2
5	Influence of Zn Addition in Cu Matrix on the Mechanical and Superconducting Properties of Nb <sub>3</sub> Sn Conductor. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	4
6	Round Robin Test of Critical Current of Superconducting Cable. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	3
7	Quench and self-protecting behaviour of an intra-layer no-insulation (LNI) REBCO coil at 31.4 T. Superconductor Science and Technology, 2021, 34, 064003.	1.8	45
8	Quench Detection Performance of Low-Temperature Superconducting Quench Detectors for REBCO Tape in Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	1
9	Measurement of critical current of superconducting cable. Japanese Journal of Applied Physics, 2021, 60, 123001.	0.8	1
10	Tailored joint fabrication process derived ultra-low resistance MgB <sub>2</sub> superconducting joint. Scripta Materialia, 2020, 178, 198-202.	2.6	15
11	Development of a Superconducting Joint Resistance Evaluation System. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.1	11
12	Estimation of Joint Resistance in REBCO Single-Turn Loop Under Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	7
13	Transport Property of REBCO Superconducting Joints in Magnetic Fields at Various Temperatures. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	4
14	Influence of Sintering Conditions on Bending Tolerance at RT and <i>In Situ</i> MgB <sub>2</sub> wire. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.1	4
15	Fundamental Evaluations of Applicability of LTS Quench Detectors to REBCO Pancake Coil. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	7
16	International round robin test for tensile testing HTS wires at cryogenic temperatures. Superconductor Science and Technology, 2019, 32, 024005.	1.8	10
17	Development of Liquid Nitrogen Cooled RE-Ba-Cu-O (RE = Rare Earth) Superconducting Magnet for NMR Use. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	4
18	Experimental Verifications of REBCO Layer Winding Aimed at Persistent Current Operation. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	2

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19	Difference of Irreversible Strain Limit in Technical RHQT Nb <sub>3</sub> Al Superconductors. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	1
20	International Round Robin Test for Critical Current Measurement of RE-Ba-Cu-O Superconducting Tapes. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	9
21	Development of Ag-Barrier RHQT Nb <sub>3</sub> Al Wires. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	5
22	High-performance dense MgB <sub>2</sub> superconducting wire fabricated from mechanically milled powder. Superconductor Science and Technology, 2017, 30, 044006.	1.8	40
23	Superconducting joints using Bi-added PbSn solders. Applied Physics Express, 2017, 10, 093102.	1.1	12
24	Superior Jc-B-T Characteristics of 10- $\mu$ m-Thick MgB <sub>2</sub> Film for Tape Application. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	6
25	Electromagnetic properties and microstructures of in situ MgB <sub>2</sub> wires made from three types of boron powders. Superconductor Science and Technology, 2016, 29, 105016.	1.8	8
26	Efficiency of High Magnetic Fields in Solid-state NMR. Chemistry Letters, 2016, 45, 209-210.	0.7	11
27	24 T High-Resolution and -Sensitivity Solid-State NMR Measurements of Low-Gamma Half-Integer Quadrupolar Nuclei <sup>35</sup> Cl and <sup>37</sup> Cl. Analytical Sciences, 2016, 32, 1339-1345.	0.8	5
28	International round robin test of the retained critical current after double bending at room temperature of Ag-sheathed Bi-2223 superconducting wires. Superconductor Science and Technology, 2016, 29, 025010.	1.8	7
29	Shimming for the 1020 MHz LTS/Bi-2223 NMR Magnet. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-7.	1.1	18
30	Equipment for Power Outage in Operation of Driven-Mode NMR Magnet. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	15
31	Successful Upgrading of 920-MHz NMR Superconducting Magnet to 1020 MHz Using Bi-2223 Innermost Coil. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-7.	1.1	31
32	Dependence of Critical Current and Quench Energy of BSCCO-2223 Tapes on Bending Diameter. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	8
33	Operation of 1020-MHz NMR Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	10
34	Degradation of a REBCO Coil Due to Cleavage and Peeling Originating From an Electromagnetic Force. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.1	49
35	Combination of high hoop stress tolerance and a small screening current-induced field for an advanced Bi-2223 conductor coil at 4.2 K in an external field. Superconductor Science and Technology, 2015, 28, 125005.	1.8	31
36	Strain Dependence of Critical Current for Nb <sub>3</sub> Al Superconducting Wire Fabricated by Restacked RHQT Process. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	4

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37	Hoop stress test on new high strength alloy laminated Bi-2223 conductor. Superconductor Science and Technology, 2015, 28, 075013.	1.8	15
38	High field Ic characterizations of commercial HTS conductors. Physica C: Superconductivity and Its Applications, 2015, 516, 31-35.	0.6	19
39	Achievement of 1020 MHz NMR. Journal of Magnetic Resonance, 2015, 256, 30-33.	1.2	127
40	1020 MHz single-channel proton fast magic angle spinning solid-state NMR spectroscopy. Journal of Magnetic Resonance, 2015, 261, 1-5.	1.2	38
41	Homogeneous performance and strain tolerance of long Bi-2223 HTS conductors under hoop stress. Superconductor Science and Technology, 2014, 27, 025003.	1.8	8
42	International round robin test for mechanical properties of REBCO superconductive tapes at room temperature. Superconductor Science and Technology, 2014, 27, 085009.	1.8	9
43	Transport Characteristics of a Bi-2223 Solenoid Coil in High Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.1	2
44	HTS Coil Test Facility in a Large Bore 20 T Resistive Magnet at LNCMI. IEEE Transactions on Applied Superconductivity, 2013, 23, 9500204-9500204.	1.1	14
45	A new facility for investigation on neutron irradiation effect on superconducting properties of Nb3Sn strand for fusion magnet. Fusion Engineering and Design, 2013, 88, 1551-1554.	1.0	6
46	Superconducting and Mechanical Properties of Impregnated REBCO Pancake Coils Under Large Hoop Stress. IEEE Transactions on Applied Superconductivity, 2013, 23, 4600305-4600305.	1.1	8
47	$J_{c}$ Evaluation for High- $T_c$ Superconductors in Pressurized/Depressurized Liquid Nitrogen. IEEE Transactions on Applied Superconductivity, 2013, 23, 8000703-8000703.	1.1	7
48	Transport critical current measurement apparatus using liquid nitrogen cooled high- $T_c$ superconducting magnet with variable temperature insert. Review of Scientific Instruments, 2013, 84, 015113.	0.6	12
49	Mechanical properties of MgB <sub>2</sub> superconducting wires fabricated by internal Mg diffusion process. Superconductor Science and Technology, 2012, 25, 054012.	1.8	30
50	Transport property measurement of practical coated conductor with copper stabilizer. , 2012, , .		4
51	Influence of Zr- and Sn-Doping on Sm-Ba-Cu-O Filaments Fabricated by a Chemical Solution Spinning. IEEE Transactions on Applied Superconductivity, 2012, 22, 6601104-6601104.	1.1	0
52	Axial and lateral lattice strain states under a tensile load in as-reacted and prebent CuNb/Nb3Sn wires using neutron diffraction. Journal of Applied Physics, 2012, 111, .	1.1	6
53	Strain Dependence of Superconducting Properties for GdBCO Coated Conductor in High Field Under Tensile Load. IEEE Transactions on Applied Superconductivity, 2012, 22, 6600504-6600504.	1.1	7
54	Transport and Mechanical Property Evaluation for Cu Stabilized PLD- $\text{GdBa}_2\text{Cu}_3\text{O}_m$ Coated Conductor. IEEE Transactions on Applied Superconductivity, 2012, 22, 6600304-6600304.	1.1	9

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55	Effect of Zr addition and magnetic field process on the $J_c$ property of CVD-HoBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> films. Journal of Alloys and Compounds, 2012, 527, 188-192.	2.8	1
56	New Superconducting Test Facility in Radiation Control Area for Neutron Irradiation Study. IEEE Transactions on Applied Superconductivity, 2012, 22, 4803904-4803904.	1.1	0
57	Quench protection tests of a cryocooler cooled 6 T NbTi superconducting magnet by an active power method. Cryogenics, 2012, 52, 321-324.	0.9	2
58	Quench Detection/Protection of a Cryocooled NbTi Superconducting Magnet by using an Active Power Method. Physics Procedia, 2012, 27, 428-431.	1.2	4
59	Three-Dimensional Strain Model for Various Kinds of Nb <sub>3</sub> Sn Wires. IEEE Transactions on Applied Superconductivity, 2011, 21, 2513-2516.	1.1	4
60	Unit Coil Development for Y-SMES. IEEE Transactions on Applied Superconductivity, 2011, 21, 1348-1353.	1.1	7
61	Study on neutron irradiation effect of superconductors and installation of 15.5T magnet in hot laboratory at IMR in Tohoku University. Journal of Nuclear Materials, 2011, 417, 842-845.	1.3	6
62	Mechanical and transport characteristic exploration for coated conductors by hoop stress tests. Physica C: Superconductivity and Its Applications, 2011, 471, 1062-1066.	0.6	4
63	Cryogen-Free 23 T Superconducting Magnet Employing an YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Coated Conductor Insert. Journal of Superconductivity and Novel Magnetism, 2011, 24, 993-997.	0.8	6
64	Hoop Stress Test of GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>m</sub> Coated Conductor. IEEE Transactions on Applied Superconductivity, 2011, 21, 3094-3097.	1.1	9
65	Thermal Stability Properties of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Coated Conductor Tape Under the Cryocooling Condition. IEEE Transactions on Applied Superconductivity, 2011, 21, 2449-2452.	1.1	1
66	Electromagnetic Stress Properties of Gd123 Monolayer Coils. TEION KOGAKU (Journal of Cryogenics) 10(1) 10-17	0.1	0
67	Large transport critical currents of powder-in-tube Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> /Ag superconducting wires and tapes. Physica C: Superconductivity and Its Applications, 2010, 470, 183-186.	0.6	72
68	Thermal properties of a large-bore cryocooled 10T superconducting magnet for a hybrid magnet. Physica C: Superconductivity and Its Applications, 2010, 470, 1745-1748.	0.6	2
69	Tohoku High Magnetic Field Research Activities Using Cryogen-Free Superconducting Magnets. Journal of Low Temperature Physics, 2010, 159, 370-373.	0.6	1
70	Thermal analysis of the cryocooled superconducting magnet for the liquid helium-free hybrid magnet. Physica C: Superconductivity and Its Applications, 2010, 470, S1027-S1029.	0.6	2
71	Influence of acetone doping on the $J_c$ anisotropy of MgB <sub>2</sub> /Fe tapes. Physica C: Superconductivity and Its Applications, 2010, 470, 1435-1437.	0.6	9
72	Simultaneous introduction of scattering and pinning in organic rare-earth salt doped MgB <sub>2</sub> tapes. Superconductor Science and Technology, 2010, 23, 045024.	1.8	14

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73	Strain Gauge Method for Evaluating a Three-Dimensional Residual Strain State in $\text{Nb}_3\text{Sn}$ Wires. IEEE Transactions on Applied Superconductivity, 2010, 20, 1420-1423.	1.1	11
74	Doping with a special carbohydrate, $\text{C}_9\text{H}_{11}\text{NO}$ , to improve the properties of $\text{MgB}_2$ tapes. Superconductor Science and Technology, 2010, 23, 025024.	1.8	23
75	Angular dependence of residual strain in $\text{CuNb}/(\text{Nb}, \text{Ti})_3\text{Sn}$ wires. Superconductor Science and Technology, 2010, 23, 105010.	1.8	2
76	Effect of ODS-Cu Composition for Mechanical-Electromagnetic Property of Bronze-Processed $\text{Nb}_3\text{Sn}$ Superconducting Wire. IEEE Transactions on Applied Superconductivity, 2010, 20, 1391-1394.	1.1	22
77	Residual strain measurement using neutron diffraction for practical $\text{Nb}_3\text{Sn}$ wires under a tensile load. Superconductor Science and Technology, 2010, 23, 025034.	1.8	12
78	Three-Dimensional Strain Model on the Superconducting Properties Under the Strain for $\text{Nb}_3\text{Sn}$ Wires. IEEE Transactions on Applied Superconductivity, 2010, 20, 1424-1427.	1.1	11
79	Upgrading Design to a 25 T Cryogen-Free Superconducting Magnet Based on Low Temperature and High Magnetic Field Properties of the Practical CVD Processed Coated Conductors. IEEE Transactions on Applied Superconductivity, 2010, 20, 592-595.	1.1	18
80	14 MEV NEUTRON IRRADIATION EFFECT ON CRITICAL CURRENT AND CRITICAL MAGNETIC FIELD OF $\text{Nb}_3\text{Sn}$ AND $\text{Nb}_3\text{Al}$ WIRES. , 2010, , .		1
81	Cryogen-Free 23 T Superconducting Magnet with a 7.5 T $\text{YBa}_2\text{Cu}_3\text{O}_7$ Insert Coil. Applied Physics Express, 2009, 2, 113001.	1.1	14
82	Current Transport Mechanism and Control of the $n$ -Value for $\text{Ag}/\text{Bi}2212$ Wires and Tapes. IEEE Transactions on Applied Superconductivity, 2009, 19, 3071-3075.	1.1	1
83	Development of Pre-Bent High-Strength $\text{Nb}_3\text{Sn}$ Cable With Stainless-Steel Reinforcement Strands. IEEE Transactions on Applied Superconductivity, 2009, 19, 1112-1115.	1.1	2
84	Enhancement of the High-Field $J_c$ properties of $\text{MgB}_2/\text{Fe}$ Tapes by Acetone Doping. Journal of Superconductivity and Novel Magnetism, 2009, 22, 671-676.	0.8	3
85	Neutron irradiation effects on superconducting wires and insulating materials. Fusion Engineering and Design, 2009, 84, 1425-1428.	1.0	17
86	Effect of processing temperature on the superconducting properties of acetone doped $\text{MgB}_2$ tapes. Physica C: Superconductivity and Its Applications, 2009, 469, 23-26.	0.6	14
87	Effect of the hot pressing on the magnetic-field and temperature dependences of flux pinning for SiC-doped $\text{MgB}_2$ tape. Physica C: Superconductivity and Its Applications, 2009, 469, 1515-1518.	0.6	4
88	20 T Compact Superconducting Outsert Employing Y123 Coated Conductors for a 45 T Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2009, 19, 1592-1595.	1.1	9
89	Fabrication and Superconducting Properties of Aluminum Doped (Nd,Sm,Gd)-Ba-Cu-O Filaments. IEEE Transactions on Applied Superconductivity, 2009, 19, 2953-2956.	1.1	1
90	Quench and Normal Zone Propagation Characteristics of RHQT-Processed $\text{Nb}_3\text{Al}$ Wires Under Cryocooler-Cooling Conditions. IEEE Transactions on Applied Superconductivity, 2009, 19, 2666-2669.	1.1	0

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91	Effect of Pt Addition on Microstructure and Superconducting Properties for Filamentary (Nd,Sm,Gd)-Ba-Cu-O Superconductors. IEEE Transactions on Applied Superconductivity, 2009, 19, 2957-2960.	1.1	0
92	Initial composition dependence of the critical current density in filamentary NSG123 superconductors. Physica C: Superconductivity and Its Applications, 2008, 468, 1583-1586.	0.6	0
93	Fundamental studies for the application of quench protection systems based on an active power method for cryocooled LTS coils. Cryogenics, 2008, 48, 148-153.	0.9	21
94	Case Study of a 20 T- $\phi$ 400 mm Room Temperature Bore Superconducting Outsert for a 45 T Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2008, 18, 552-555.	1.1	15
95	Transport Characteristics of CVD-YBCO Coated Conductor under Hoop Stress. IEEE Transactions on Applied Superconductivity, 2008, 18, 1131-1134.	1.1	37
96	The Prebending Strain Effect on $\text{Nb}_3\text{Sn}$ Superconducting Cabling Conductors. IEEE Transactions on Applied Superconductivity, 2008, 18, 1018-1021.	1.1	9
97	Transport Critical Current of Filamentary Zr-Doped Gd-Ba-Cu-O Superconductors in High Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2008, 18, 1200-1203.	1.1	2
98	Ag-SHEATHED $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ SQUARE WIRE INSULATED WITH OXIDIZED HASTELLOY FIBER BRAID. AIP Conference Proceedings, 2008, , .	0.3	0
99	Development of a pre-bent react-and-wind $\text{CuNb}_3\text{Sn}$ multilayer superconducting coil. Superconductor Science and Technology, 2008, 21, 054012.	1.8	2
100	Partial Melting in Filamentary NSG123 Superconductors Under Various Oxygen Atmospheres. IEEE Transactions on Applied Superconductivity, 2008, 18, 1204-1207.	1.1	1
101	Influence of Deviatoric Strain for Superconducting Parameters of $\text{Nb}_3\text{Sn}$ Wires. IEEE Transactions on Applied Superconductivity, 2008, 18, 1047-1050.	1.1	7
102	Mitigation of Critical Current Degradation in Mechanically Loaded $\text{Nb}_3\text{Sn}$ Superconducting Multi-Strand Cable. IEEE Transactions on Applied Superconductivity, 2008, 18, 491-494.	1.1	1
103	Evaluation of Stability of NbTi Multi-Strand Conductor by Induced-Current Methods. IEEE Transactions on Applied Superconductivity, 2008, 18, 1118-1122.	1.1	0
104	Doped $\text{MgB}_2$ prepared by field assisted sintering technique. Journal of Physics: Conference Series, 2008, 97, 012079.	0.3	0
105	High-strength $\text{CuNb}_3\text{Sn}$ strand cables with residual strain controlled by the repeated bending treatment. Journal of Physics: Conference Series, 2008, 97, 012008.	0.3	1
106	Mechanical treatments at room temperature of $\text{Nb}_3\text{Sn}$ practical wires: pre-torsion for wires with a different architecture. Journal of Physics: Conference Series, 2008, 97, 012036.	0.3	1
107	Current-Carrying Capacity of $\text{YBa}_2\text{Cu}_3\text{O}_7$ -Coated Conductors for a 30 T Superconducting Magnet. Applied Physics Express, 2008, 1, 081701.	1.1	4
108	Behavior of $\text{m Nb}_3\text{m Sn}$ Composite Wires: Multiple Room Temperature Bending Cycles. IEEE Transactions on Applied Superconductivity, 2007, 17, 2672-2675.	1.1	0

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109	Performance of as-reacted and multiple bent (â€pre-bentâ€™) practical Nb <sub>3</sub> Sn bronze route wires with different architectures. Superconductor Science and Technology, 2007, 20, 273-280.	1.8	11
110	Maximization of the critical current of practical Nb <sub>3</sub> Sn wires through complex mechanical treatments at room temperature. Superconductor Science and Technology, 2007, 20, 810-813.	1.8	5
111	High Field and High Temperature Characteristics of Small Test Coil Using CVD-YBCO Tape for SMES. IEEE Transactions on Applied Superconductivity, 2007, 17, 2220-2223.	1.1	6
112	Three-Directional FEM Analyses of Pre-Bending Effects for $\{m \text{ Nb} \}_3 \{m \text{ Sn} \}$ Composite Wires. IEEE Transactions on Applied Superconductivity, 2007, 17, 2676-2679.	1.1	1
113	Application of Prebending Effect to Triplet Cables Using Bronze-Route $\{m \text{ Nb} \}_3 \{m \text{ Sn} \}$ Strands. IEEE Transactions on Applied Superconductivity, 2007, 17, 2595-2598.	1.1	6
114	Steady and Unsteady Current Modes and Thermal Runaway Conditions of High- $\{m T\}_m \{m c\}$ Composite Superconductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 3133-3136.	1.1	1
115	High-Strength Nb <sub>3</sub> Sn Wire Development for Compact Superconducting Magnets. Materials Science Forum, 2007, 546-549, 1841-1848.	0.3	2
116	Transport Properties of Bi2212 Round Wires Grown in High Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2007, 17, 3106-3108.	1.1	2
117	Large irreversibility field in nanoscale C-doped MgB <sub>2</sub> /Fe tape conductors. Superconductor Science and Technology, 2007, 20, L5-L8.	1.8	25
118	Design and Test Results of 18.1 T Cryocooled Superconducting Magnet With Bi2223 Insert. IEEE Transactions on Applied Superconductivity, 2007, 17, 1422-1425.	1.1	13
119	Authors' reply to "Comments on 'A New Model of Two Directional $J_c$ Distributions for Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> Materials'". IEEE Transactions on Applied Superconductivity, 2007, 17, 3897-3897.	1.1	0
120	Critical Current of Mechanically Loaded $\{m \text{ Nb} \}_3 \{m \text{ Sn} \}$ Superconducting Multi-Strand Cable. IEEE Transactions on Applied Superconductivity, 2007, 17, 1390-1393.	1.1	2
121	Effect of Nano-C Doping on the Critical Current Density and Flux Pinning of MgB <sub>2</sub> Tapes. IEEE Transactions on Applied Superconductivity, 2007, 17, 2915-2918.	1.1	10
122	Room and low temperature direct three-dimensional-strain measurements by neutron diffraction on as-reacted and prebent CuNb <sup>*</sup> Nb <sub>3</sub> Sn wire. Journal of Applied Physics, 2007, 101, 103913.	1.1	36
123	Microstructures and critical current density of filamentary Euâ€Baâ€Cuâ€O with Zr and Zn additions. Physica C: Superconductivity and Its Applications, 2007, 463-465, 554-558.	0.6	5
124	Critical current density of filamentary NSG123 superconductors in high magnetic field. Physica C: Superconductivity and Its Applications, 2007, 463-465, 559-563.	0.6	4
125	Prebending Strain Effect on $\text{CuNb/Nb}_3\text{Sn}$ Superconducting Wire During Practical React-and-Wind Process. IEEE Transactions on Applied Superconductivity, 2006, 16, 1220-1223.	1.1	13
126	Neutron Diffraction Study on Prebending Effects for Bronze Route $\text{Nb}_3\text{Sn}$ Wires Without Reinforcement. IEEE Transactions on Applied Superconductivity, 2006, 16, 1228-1231.	1.1	19



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127	Performance of a Cryogen-Free 30 T-Class Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2006, 16, 934-939.	1.1	30
128	Ic Enhancement Effect in Nb3Sn Coils Fabricated by the React-and-Wind Method. AIP Conference Proceedings, 2006, , .	0.3	3
129	Oxidized Hastelloy Cloth Insulation for a Wind-and-React Processed Ag/Bi2Sr2CaCu2O8 Superconducting Magnet. AIP Conference Proceedings, 2006, , .	0.3	1
130	Influence of Precursor Composition on the Microstructure and Superconducting Properties of Dy-Ba-Cu-O filaments. Journal of Physics: Conference Series, 2006, 43, 191-194.	0.3	0
131	Effect of Zr and Zn Doping on Critical Current Density of Filamentary Dy-Ba-Cu-O Superconductors. Journal of Physics: Conference Series, 2006, 43, 470-473.	0.3	2
132	Cryocooled superconducting magnets for high magnetic fields at the HFLSM and future collaboration with the TML. Journal of Physics: Conference Series, 2006, 51, 631-634.	0.3	5
133	Application of prebending effect to high strength Nb3 Sn strands. Fusion Engineering and Design, 2006, 81, 2473-2478.	1.0	10
134	Comparison of avalanche-like quenches between NbTi and Nb3Sn cables. Fusion Engineering and Design, 2006, 81, 2497-2502.	1.0	5
135	18.1â€%T cryocooled superconducting magnet with a Bi2223 high- insert. Fusion Engineering and Design, 2006, 81, 2425-2432.	1.0	24
136	Superconducting properties of MgB2 bulks processed in high magnetic fields. Physica C: Superconductivity and Its Applications, 2006, 445-448, 811-813.	0.6	5
137	Enhancement of Jcâ€“B properties in MoSi2-doped MgB2tapes. Superconductor Science and Technology, 2006, 19, 699-702.	1.8	8
138	The effect of different nanoscale material doping on the critical current properties of in situ processed MgB2tapes. Superconductor Science and Technology, 2006, 19, 479-483.	1.8	21
139	The effect of ZrSi2 and SiC doping on the microstructure and Jcâ€“B properties of PIT processed MgB2tapes. Superconductor Science and Technology, 2006, 19, 133-137.	1.8	46
140	Relationship between architecture, filament breakage and critical current decay in Nb3Sn composite wires repeatedly in-plane bent at room temperature. Superconductor Science and Technology, 2006, 19, 323-332.	1.8	9
141	Current-carrying capacity dependence of composite Bi2Sr2CaCu2O8 superconductors on the liquid coolant conditions. Superconductor Science and Technology, 2006, 19, 703-710.	1.8	10
142	Development of a 10 T Cryocooled Superconducting Magnet with a Room Temperature Bore of 360 mm for a 29 T Hybrid Magnet. AIP Conference Proceedings, 2006, , .	0.3	2
143	Significantly enhanced critical current densities in MgB2 tapes made by a scaleable nanocarbon addition route. Applied Physics Letters, 2006, 88, 072502.	1.5	177
144	Effect of Prebending Strain on $\text{CuNb/Nb}_3\text{Sn}$ Superconducting Coils Using a React and Wind Method. IEEE Transactions on Applied Superconductivity, 2006, 16, 1237-1240.	1.1	11

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145	Sub- and overcritical stable states of composite high-Tc superconductors with different E(J) dependences and their unavoidable overheating. Journal of Applied Physics, 2006, 100, 063905.	1.1	10
146	A New Model of Two Directional $J_{rm c}$ Distributions for $Bi_{2rm Sr_{2rm Carm Cu_{2rm O_{8}}}}$ Materials. IEEE Transactions on Applied Superconductivity, 2006, 16, 1019-1022.	1.1	7
147	Development of High Strength $Nb_{3rm Sn}$ Wires With $Ta$ -reinforced Filaments. IEEE Transactions on Applied Superconductivity, 2006, 16, 1261-1264.	1.1	6
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