Toshiyuki Mito

List of Publications by Year
in descending order

379	4,516	147801	197818
papers	citations	31 h-index	49 g-index

386	386	386	1401
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conductive Micro-Paths for Current Sharing Between REBCO Tapes in High-T _c Superconducting Conductors to Improve Stability. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	0
2	Development of Static Magnetic Refrigeration System Using Multiple High-Temperature Superconducting Coils. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	2
3	Study of RHQT-processed Nb3Al multifilamentary rectangular tape strand to be applied to a fusion magnet. Fusion Engineering and Design, 2022, 180, 113169.	1.9	2
4	Reliable long-term operation of superconducting bus lines for the LHD. Journal of Physics: Conference Series, 2021, 1857, 012014.	0.4	0
5	Rotating magnetization method for inspection of local defect in HTS conductor. Journal of Physics: Conference Series, 2021, 1857, 012012.	0.4	1
6	Improvement of I_c degradation of HTS Conductor (FAIR Conductor) and FAIR Coil Structure for Fusion Device. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	6
7	Effect of Direction of External Magnetic Field on Minimum Propagation Current of a Composite Conductor for LHD Helical Coils. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	2
8	Feasibility Study of High-Efficiency Cooling of High-Temperature Superconducting Coils by Magnetic Refrigeration. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	4
9	Thermal Transport Properties of Multiple Oscillating Heat Pipes under Simultaneous Operation. Journal of Physics: Conference Series, 2020, 1559, 012091.	0.4	2
10	Development of FAIR conductor and HTS coil for fusion experimental device. Journal of Physics Communications, 2020, 4, 035009.	1.2	15
11	Reexamination of Refrigeration Power of the LHD Cryogenic System After Fire and Restart of Operation. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	3
12	Lessons learned from twenty-year operation of the Large Helical Device poloidal coils made from cable-in-conduit conductors. Cryogenics, 2018, 91, 1-6.	1.7	1
13	Operations of the Helium Subcooling System for the LHD Helical Coils during Ten Plasma Experimental Campaigns. Plasma and Fusion Research, 2018, 13, 3405057-3405057.	0.7	1
14	Investigation of long time constants of magnetic fields generated by the JT-60SA CS1 module. Fusion Engineering and Design, 2018, 137, 274-282.	1.9	1
15	Effect of electromagnetic force on a quad-pancake coil wound with a Nb₃Sn CIC conductor. Journal of Physics: Conference Series, 2018, 1054, 012067.	0.4	0
16	Highly Efficient Liquid Hydrogen Storage System by Magnetic Levitation Using HTS Coils. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	0
17	Extension of the operational regime of the LHD towards a deuterium experiment. Nuclear Fusion, 2017, 57, 102023.	3.5	116
18	In-situ calibration method of orifice flow meter equipped in 600 W helium refrigerator/liquefier with variable temperature supplies. Fusion Engineering and Design, 2017, 123, 107-110.	1.9	1

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19	Current-carrying capability of the 100 kA-class HTS STARS conductor for the helical fusion reactor FFHR-d1. Journal of Physics: Conference Series, 2017, 871, 012099.	0.4	6
20	Transport Performance and Current Distribution of HTS Current Lead Prepared by the TFA-MOD Processed YBCO Tapes. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2016, 80, 443-446.	0.4	0
21	Commissioning Test Results of Variable-Temperature Helium Refrigerator/Liquefier for NIFS Superconducting Magnet Test Facility. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	4
22	Magnet design with 100-kA HTS STARS conductors for the helical fusion reactor. Cryogenics, 2016, 80, 243-249.	1.7	25
23	Transport Performance and Current Distribution of HTS Current Lead Prepared by YBCO Tapes. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	5
24	Conductor and joint test results of JT-60SA CS and EF coils using the NIFS test facility. Cryogenics, 2016, 73, 25-41.	1.7	9
25	Renewal of the Control System and Reliable Long Term Operation of the LHD Cryogenic System. Physics Procedia, 2015, 67, 77-82.	1.2	6
26	Plan for Testing High-Current Superconductors for Fusion Reactors with A 15T Test Facility. Plasma and Fusion Research, 2015, 10, 3405012-3405012.	0.7	11
27	A Cooling Concept for Indirectly Cooled Superconducting Magnets for the Fusion Reactor FFHR. Plasma and Fusion Research, 2015, 10, 3405011-3405011.	0.7	3
28	Design and development of high-temperature superconducting magnet system with joint-winding for the helical fusion reactor. Nuclear Fusion, 2015, 55, 053021.	3.5	61
29	Magnetic field measurements of JT-60SA CS model coil. Fusion Engineering and Design, 2015, 90, 55-61.	1.9	2
30	Effects of Subcooling on Lengths of Propagating Normal Zones in the LHD Helical Coils. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	2
31	Development of Terminal Joint and Lead Extension for JT-60SA Central Solenoid. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	6
32	Measurement and Analysis of Critical Current of 100-kA Class Simply-Stacked HTS Conductors. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	33
33	Fabrication and Superconducting Properties of the Bronze-Processed $mbox{Nb}_{3}mbox{Sn} $ Multifilamentary Wire Using Cuâ€“Snâ€“Zn Alloy Matrix. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	12
34	Flow damping due to stochastization of the magnetic field. Nature Communications, 2015, 6, 5816.	12.8	28
35	Overview of transport and MHD stability study: focusing on the impact of magnetic field topology in the Large Helical Device. Nuclear Fusion, 2015, 55, 104018.	3.5	10
36	Performance verification tests of JT-60SA CS model coil. Physica C: Superconductivity and Its Applications, 2015, 518, 96-100.	1.2	7

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37	Long-term Operational Performance of the LHD Cryogenic System. TEION KOGAKU (Journal of) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.1	3
38	Feasibility of HTS Magnet Option for Fusion Reactors. Plasma and Fusion Research, 2014, 9, 1405013-1405013.	0.7	10
39	Experimental Results of the HTS Floating Coil Using REBCO Tapes for the Mini-RT Upgrading. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	4
40	Performance of a Mechanical Bridge Joint for 30-kA-Class High-Temperature Superconducting Conductors. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	16
41	Progress of the Design of HTS Magnet Option and R&D Activities for the Helical Fusion Reactor. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	23
42	Development and Test of JT-60SA Central Solenoid Model Coil. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	26
43	Critical Current Measurement of 30 kA-Class HTS Conductor Samples. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	16
44	Thermal Stability of Butt Joint for CS Conductor in JT-60SA. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	3
45	Development of an Indirectly Cooled Superconductor for the LHD Fusion Reactor FFHR. Plasma and Fusion Research, 2014, 9, 3405034-3405034.	0.7	3
46	Modeling of Butt Joint Composed of Nb₃Sn Cable-In-Conduit Conductors. Plasma and Fusion Research, 2014, 9, 3405122-3405122.	0.7	4
47	Enhancement of Thermal Properties of HTS Magnets Using Built-in Cryogenic Oscillating Heat Pipes. IEEE Transactions on Applied Superconductivity, 2013, 23, 4602905-4602905.	1.7	16
48	Development of a Flat-plate Cryogenic Oscillating Heat Pipe for Improving HTS Magnet Cooling. Physics Procedia, 2013, 45, 233-236.	1.2	11
49	Joint resistance measurements of pancake and terminal joints for JT-60SA EF coils. Fusion Engineering and Design, 2013, 88, 2773-2776.	1.9	3
50	Reconsideration of Evaluation of Balance Voltages During a Normal Zone Propagation in the LHD Helical Coils. IEEE Transactions on Applied Superconductivity, 2013, 23, 4700904-4700904.	1.7	2
51	LHD accomplishments/plans in support of fusion next-steps. , 2013, , .		0
52	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. Nuclear Fusion, 2013, 53, 104015.	3.5	35
53	Effect of Bending on Critical Current and n-Value of React-and-Jacket Processed Nb₃Sn Conductor. Plasma and Fusion Research, 2013, 8, 2405008-2405008.	0.7	2
54	Self Magnetic Field Measurements on Cable-In-Conduit Conductors for JT-60SA EF-H and EF-L coils. IEEE Transactions on Applied Superconductivity, 2012, 22, 4803404-4803404.	1.7	1

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55	Novel Type of Aluminum-Alloy Jacketed ${m Nb}_{3}{m Sn}$ Superconductors Manufactured by Friction Stir Welding Technique. IEEE Transactions on Applied Superconductivity, 2012, 22, 4802905-4802905.	1.7	5
56	Measurement of the Joint Resistance of Large-Current YBCO Conductors. Plasma and Fusion Research, 2012, 7, 2405027-2405027.	0.7	14
57	Development of Cryogenic Oscillating Heat Pipe as a New Device for Indirect/Conduction Cooled Superconducting Magnets. IEEE Transactions on Applied Superconductivity, 2012, 22, 4703904-4703904.	1.7	31
58	Feasibility of large-current capacity YBCO conductors with on-demand transposition. Physics Procedia, 2012, 27, 444-447.	1.2	3
59	Long-Term Monitoring of Hydraulic Characteristics of LHD Poloidal Coils. Plasma and Fusion Research, 2012, 7, 2405008-2405008.	0.7	3
60	Study on the dynamic behavior of a current in cable-in-conduit conductors by using self magnetic field measurements. Fusion Engineering and Design, 2011, 86, 1377-1380.	1.9	4
61	Fabrication and tests of EF conductors for JT-60SA. Fusion Engineering and Design, 2011, 86, 1432-1435.	1.9	10
62	HTS Current Leads Prepared by the TFA-MOD Processed YBCO Tapes. IEEE Transactions on Applied Superconductivity, 2011, 21, 1054-1057.	1.7	14
63	Development of an ${m MgB}_{2}$ Coil Wound With a Parallel Conductor Composed of Two Tapes With Insulation. IEEE Transactions on Applied Superconductivity, 2011, 21, 1612-1615.	1.7	2
64	Design Progress on the High-Temperature Superconducting Coil Option for the Heliotron-Type Fusion Energy Reactor FFHR. Fusion Science and Technology, 2011, 60, 648-652.	1.1	42
65	Present states and future prospect of fast ignition realization experiment (FIREX) with Gekko and LFEX Lasers at ILE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 653, 84-88.	1.6	10
66	Heat transfer performance of cryogenic oscillating heat pipes for effective cooling of superconducting magnets. Cryogenics, 2011, 51, 309-314.	1.7	57
67	Critical current of react-and-jacket processed Nb3Sn conductor. Cryogenics, 2011, 51, 397-399.	1.7	6
68	Stability Margin of NbTi CIC Conductor for JT-60SA Equilibrium Field Coil. IEEE Transactions on Applied Superconductivity, 2011, 21, 1991-1994.	1.7	5
69	Detection System for Propagating Normal-Zones With Pick-Up Coils in the LHD Helical Coils. IEEE Transactions on Applied Superconductivity, 2011, 21, 2316-2319.	1.7	4
70	Heat flux reduction by helical divertor coils in the heliotron fusion energy reactor. Nuclear Fusion, 2011, 51, 103017.	3.5	4
71	Achievement of High Heat Removal Characteristics of Superconducting Magnets With Imbedded Oscillating Heat Pipes. IEEE Transactions on Applied Superconductivity, 2011, 21, 2470-2473.	1.7	36
72	Hysteresis Loss in Poloidal Coils of the Large Helical Device. Plasma and Fusion Research, 2011, 6, 2405077-2405077.	0.7	1

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73	Conceptual design of 1 GW class hybrid energy transfer line of hydrogen and electricity. Journal of Physics: Conference Series, 2010, 234, 032064.	0.4	16
74	Rigidity evaluation of a superconducting helical coil for an LHD-type fusion magnet. Journal of Physics: Conference Series, 2010, 234, 032055.	0.4	3
75	Present status and future prospect of Fast Ignition Realization Experiment (FIREX) Project at ILE, Osaka. , 2010, , .		1
76	Overview of LHD Superconducting Magnet System and Its 10-Year Operation. Fusion Science and Technology, 2010, 58, 560-570.	1.1	10
77	Progress in the Integrated Development of the Helical System. Fusion Science and Technology, 2010, 58, 12-28.	1.1	19
78	Performance of the Superconducting Helical Coils of LHD. Fusion Science and Technology, 2010, 58, 571-580.	1.1	0
79	Helium Subcooling System for LHD Helical Coils. Fusion Science and Technology, 2010, 58, 581-585.	1.1	3
80	Goal and Achievements of Large Helical Device Project. Fusion Science and Technology, 2010, 58, 1-11.	1.1	127
81	HTS current lead units prepared by the TFAâ€“MOD processed YBCO coated conductors. Physica C: Superconductivity and Its Applications, 2010, 470, 1887-1889.	1.2	1
82	Conceptual Design and Development of an Indirect-cooled Superconducting Helical Coil in the FFHR. Plasma and Fusion Research, 2010, 5, S1035-S1035.	0.7	9
83	Improvement of Electromagnetic Properties of ${hbox{MgB}}_{2}$ Filaments Due to Deformation to Tape Shape. IEEE Transactions on Applied Superconductivity, 2010, 20, 1601-1604.	1.7	1
84	Magnetic Field Measurements on a Shake-Hands Lap Joint Sample of Cable-In-Conduit Conductors for JT-60SA EF Coil. IEEE Transactions on Applied Superconductivity, 2010, 20, 1471-1474.	1.7	3
85	Operation and Control of Helium Subcooling System of LHD Helical Coils During Change of Rotational Speed of Cold Compressors. IEEE Transactions on Applied Superconductivity, 2010, 20, 2051-2053.	1.7	8
86	AC Losses in Poloidal Coils of the Large Helical Device. IEEE Transactions on Applied Superconductivity, 2010, 20, 517-520.	1.7	2
87	Development of Highly Effective Cooling Technology for a Superconducting Magnet Using Cryogenic OHP. IEEE Transactions on Applied Superconductivity, 2010, 20, 2023-2026.	1.7	33
88	Experiments of Bending Strain on Reduced-Scale HTS Conductors for Fusion Energy Reactors. IEEE Transactions on Applied Superconductivity, 2010, 20, 1565-1568.	1.7	12
89	Increase of Operating Current of the LHD Helical Coils by Upgrading the Cooling System. IEEE Transactions on Applied Superconductivity, 2010, 20, 438-441.	1.7	3
90	Conceptual Design of Coaxial Multi-Layer Type CIC for SC Magnet of FFHR. IEEE Transactions on Applied Superconductivity, 2010, 20, 560-563.	1.7	1

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91	Stability and Quench Test for NbTi CIC Conductor of JT-60SA Equilibrium Field Coil. IEEE Transactions on Applied Superconductivity, 2010, 20, 512-516.	1.7	8
92	Concept of magnet systems for LHD-type reactor. Nuclear Fusion, 2009, 49, 075017.	3.5	35
93	Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. Nuclear Fusion, 2009, 49, 104024.	3.5	45
94	Upgrading the NIFS superconductor test facility for JT-60SA cable-in-conduit conductors. Fusion Engineering and Design, 2009, 84, 1442-1445.	1.9	20
95	Critical current measurement of prototype NbTi cable-in-conduit conductor for JT-60SA. Fusion Engineering and Design, 2009, 84, 1058-1062.	1.9	16
96	10 years of engineering and physics achievements by the Large Helical Device project. Fusion Engineering and Design, 2009, 84, 186-193.	1.9	16
97	Critical Currents and AC Losses in ${m MgB}_{2}$ Multifilamentary Tapes With 6 Twisted Filaments. IEEE Transactions on Applied Superconductivity, 2009, 19, 2686-2689.	1.7	9
98	Development of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2009, 49, 104015.	3.5	54
99	Summary of a 1 MJ Conduction-Cooled LTS Pulse Coil Developed for 1 MW, 1 s UPS-SMES. IEEE Transactions on Applied Superconductivity, 2009, 19, 1999-2003.	1.7	19
100	Temperature Control in a Cryogenic Target with a Conical Laser Guide for Fuel Layering. Fusion Science and Technology, 2009, 56, 427-431.	1.1	2
101	Extension of Improved Particle and Energy Confinement Regime in the Core of LHD Plasma. Plasma and Fusion Research, 2009, 4, 027-027.	0.7	15
102	Characteristics of the LHD Subcooling System. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	0.1	1
103	Design Study of an Indirect Cooling Superconducting Magnet for a Fusion Device. IEEJ Transactions on Fundamentals and Materials, 2009, 129, 609-613.	0.2	0
104	Optimization activities on design studies of LHD-type reactor FFHR. Fusion Engineering and Design, 2008, 83, 1690-1695.	1.9	53
105	Control, data acquisition, data analysis and remote participation in LHD. Fusion Engineering and Design, 2008, 83, 170-175.	1.9	10
106	AC Losses in a Conduction-Cooled LTS Pulse Coil With Stored Energy of 1 MJ for UPS-SMES as Protection From Momentary Voltage Drops. IEEE Transactions on Applied Superconductivity, 2008, 18, 783-786.	1.7	11
107	Experimental Results of Large-Current Capacity HTS Conductors. IEEE Transactions on Applied Superconductivity, 2008, 18, 1151-1154.	1.7	19
108	Study on a fuel layering sequence of the foam target for the FIREX project. Journal of Physics: Conference Series, 2008, 112, 032067.	0.4	3

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109	Performance Tests of the Subcooling System for the LHD Helical Coils. IEEE Transactions on Applied Superconductivity, 2008, 18, 1475-1478.	1.7	6
110	Quench Characteristics of an NbTi CICC With Non-Uniform Current Distribution. IEEE Transactions on Applied Superconductivity, 2008, 18, 1245-1248.	1.7	1
111	Results of the Excitation Test of the LHD Helical Coils Cooled by Subcooled Helium. IEEE Transactions on Applied Superconductivity, 2008, 18, 455-458.	1.7	10
112	Bi2212 superconducting tubular conductors prepared by the diffusion process for current lead. Journal of Physics: Conference Series, 2008, 97, 012055.	0.4	0
113	Mechanical behaviour analysis of superconducting magnet in LHD-type reactor FFHR. Journal of Physics: Conference Series, 2008, 97, 012139.	0.4	6
114	Fabrication and characterization of planar cryogenic targets for GEKKO-XII. Journal of Physics: Conference Series, 2008, 112, 032068.	0.4	0
115	UNDERSTANDING DYNAMIC BEHAVIORS OF A LARGE SCALE CRYOGENIC PLANT. AIP Conference Proceedings, 2008, , .	0.4	3
116	PERFORMANCE OF UPGRADED COOLING SYSTEM FOR LHD HELICAL COILS. AIP Conference Proceedings, 2008, , .	0.4	7
117	OPTIMIZATION OF A TWO STAGE PULSE TUBE REFRIGERATOR FOR THE INTEGRATED CURRENT LEAD SYSTEM. AIP Conference Proceedings, 2008, , .	0.4	0
118	Developments of characterization of the foam shell target for fast ignition realization experiment-I (FIREX-I). Journal of Physics: Conference Series, 2008, 112, 032066.	0.4	3
119	High-Temperature Superconducting Coil Option for the LHD-Type Fusion Energy Reactor FFHR. Plasma and Fusion Research, 2008, 3, S1049-S1049.	0.7	29
120	Ramp Rate Limitation of NbTi Cable-in-Conduit Conductor With Artificially Introduced Non-Uniform Current Distribution. IEEE Transactions on Applied Superconductivity, 2007, 17, 2434-2437.	1.7	0
121	Extended steady-state and high-beta regimes of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2007, 47, S668-S676.	3.5	44
122	Achievement of high availability in long-term operation and upgrading plan of the LHD superconducting system. Nuclear Fusion, 2007, 47, 353-360.	3.5	13
123	Development of 1ÂMJ Conduction-Cooled LTS Pulse Coil for UPS-SMES. IEEE Transactions on Applied Superconductivity, 2007, 17, 1973-1976.	1.7	11
124	Improvements of Current Decay Behavior of HTS Coils in Persistent Current Operations. IEEE Transactions on Applied Superconductivity, 2007, 17, 2422-2425.	1.7	5
125	Experimental Investigation of the Minimum Propagation Currents and Quench Characteristics of LTS/HTS Hybrid Conductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 2474-2477.	1.7	14
126	Cryogenic Stability of LTS/HTS Hybrid Conductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 2486-2489.	1.7	14

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127	Transport Performance and Structures of Bi2212 Oxide Superconductors Prepared by Diffusion Process. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2007, 71, 972-976.	0.4	0
128	Preliminary Results of Fuel Layering on the Cryogenic Target for the FIREX Project. Fusion Science and Technology, 2007, 51, 753-757.	1.1	4
129	Electron Bernstein Wave Heating on the Internal Coil Device Mini-RT. Fusion Science and Technology, 2007, 51, 310-312.	1.1	1
130	The Design to Downsize a Conduction-Cooled LTS Pulse Coil for UPS-SMES as Protection From Momentary Voltage Drops. IEEE Transactions on Applied Superconductivity, 2007, 17, 1963-1966.	1.7	2
131	AC Losses and Critical Current Densities of NbTi/Cu Multifilamentary Tapes. IEEE Transactions on Applied Superconductivity, 2007, 17, 2546-2549.	1.7	3
132	Study of SMES system using dry type superconducting coil designed to protect from momentary voltage drop. , 2007, , .		0
133	Electromagnetic behavior of lap-joints for fusion magnet system. Cryogenics, 2007, 47, 25-30.	1.7	0
134	Design and fabrication of a superconducting conductor sample to evaluate instabilities due to artificial non-uniform current distribution. Cryogenics, 2007, 47, 490-496.	1.7	4
135	Conceptual design of an indirect-cooled superconducting magnet for the LHD-type fusion reactor FFHR. Fusion Engineering and Design, 2007, 82, 1487-1492.	1.9	31
136	Power saving of large scaled helium compressor for fusion device using an adsorption chiller. Fusion Engineering and Design, 2007, 82, 2824-2828.	1.9	3
137	Conceptual design of the cryogenic system for the helical-type fusion power plant FFHR. Fusion Engineering and Design, 2007, 82, 2817-2823.	1.9	6
138	Validation of the High Performance Conduction-Cooled Prototype LTS Pulse Coil for UPS-SMES. IEEE Transactions on Applied Superconductivity, 2006, 16, 608-611.	1.7	11
139	Heat Transfer Properties of a Conduction Cooled Prototype LTS Pulse Coil for UPS-SMES. IEEE Transactions on Applied Superconductivity, 2006, 16, 624-627.	1.7	6
140	Improvement in Cryogenic Stability of the Model Coil of the LHD Helical Coil by Lowering the Temperature. IEEE Transactions on Applied Superconductivity, 2006, 16, 755-758.	1.7	5
141	Bi2212 HTS Tubular Bulk with Conical Shape for Current Lead. Journal of Physics: Conference Series, 2006, 43, 1035-1038.	0.4	0
142	Overall Characteristics of 9 kW Class Helium Refrigerator for Experimental Fusion Device. Journal of Physics: Conference Series, 2006, 43, 1063-1067.	0.4	1
143	Power Saving of Large-Scaled Helium Compressor for Fusion Device. Journal of Physics: Conference Series, 2006, 43, 1072-1075.	0.4	0
144	Cool-down performance of the apparatus for the cryogenic target of the FIREX project. Fusion Engineering and Design, 2006, 81, 1647-1652.	1.9	16

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145	Pulse height analysis on the balance voltage and acoustic emission signals for the LHD superconducting coils. Fusion Engineering and Design, 2006, 81, 2561-2565.	1.9	3
146	Protection of LHD coils by intelligent observation of voltage signals. Fusion Engineering and Design, 2006, 81, 2567-2570.	1.9	0
147	Influence of magnetic hysteresis on quench-voltage detection in large superconducting magnets. Fusion Engineering and Design, 2006, 81, 2571-2575.	1.9	4
148	Optimization of a conduction-cooled LTS pulse coil. Fusion Engineering and Design, 2006, 81, 2457-2462.	1.9	2
149	Electromagnetic behavior of HTS coils in persistent current operations. Fusion Engineering and Design, 2006, 81, 2463-2466.	1.9	11
150	Bi2212 HTS bulk tubes prepared by the diffusion process for current lead application. Fusion Engineering and Design, 2006, 81, 2449-2455.	1.9	2
151	Application of high-temperature superconducting coil for internal ring devices. Fusion Engineering and Design, 2006, 81, 2361-2369.	1.9	4
152	Stability measurements with non-uniform current distribution in NbTi cable-in-conduit conductor for SST-1. Fusion Engineering and Design, 2006, 81, 2491-2495.	1.9	2
153	Stability measurements of LTS/HTS hybrid superconductors. Fusion Engineering and Design, 2006, 81, 2485-2489.	1.9	13
154	Applied superconductivity and cryogenic research activities in NIFS. Fusion Engineering and Design, 2006, 81, 2389-2400.	1.9	18
155	Performance of cold compressors in a cooling system of an R&D superconducting coil cooled with subcooled helium. Fusion Engineering and Design, 2006, 81, 2617-2621.	1.9	10
156	Steady state heat transfer of an oxidized copper surface in subcooled liquid helium. Fusion Engineering and Design, 2006, 81, 2611-2615.	1.9	3
157	Conceptual design activities and key issues on LHD-type reactor FFHR. Fusion Engineering and Design, 2006, 81, 2703-2712.	1.9	53
158	Upgrading program for improving the cryogenic stability of LHD helical coils by lowering the operating temperature. Fusion Engineering and Design, 2006, 81, 2583-2588.	1.9	13
159	Temperature dependence of the mechanical properties of melt-processed Dyâ€“Baâ€“Cuâ€“O bulk superconductors evaluated by three point bending tests. Superconductor Science and Technology, 2006, 19, S545-S549.	3.5	6
160	Characterization of a Co-axial Pulse Tube Cryocooler Applied as a Current Lead. AIP Conference Proceedings, 2006, , .	0.4	1
161	Dynamic Simulation of a Large Scale Cryogenic Plant. AIP Conference Proceedings, 2006, , .	0.4	7
162	Bi2212 HTS Conical Tubes Prepared by the Diffusion Process for Current Lead Application. IEEE Transactions on Applied Superconductivity, 2006, 16, 461-464.	1.7	4

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163	Preliminary results on the cryogenic target for FIREX project. European Physical Journal Special Topics, 2006, 133, 899-901.	0.2	0
164	ECH Plasma Experiments on an Internal Coil Device with a High Temperature Superconductor Coil. Fusion Science and Technology, 2005, 47, 63-70.	1.1	0
165	Compressive mechanical properties of Sm123 bulk superconductor at liquid nitrogen temperature. Physica C: Superconductivity and Its Applications, 2005, 426-431, 644-648.	1.2	12
166	A 1.8K current feedthrough using YBCO bulk conductor for supplying 20kA. Physica C: Superconductivity and Its Applications, 2005, 426-431, 770-776.	1.2	1
167	Dynamic simulation of the helium refrigerator/liquefier for LHD. Cryogenics, 2005, 45, 199-211.	1.7	31
168	Elimination of variable harmonics on motor generator circuit for experimental fusion facility. Fusion Engineering and Design, 2005, 75-79, 93-97.	1.9	4
169	AE Measurement of the LHD Helical Coils. IEEE Transactions on Applied Superconductivity, 2005, 15, 1423-1426.	1.7	11
170	Measurement of Residual Magnetic Field by Superconducting Magnets of the LHD. IEEE Transactions on Applied Superconductivity, 2005, 15, 1419-1422.	1.7	4
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