Tsutomu Hoshino

List of Publications by Year
in descending order

95	2,156	516710 16	233421 45
papers	citations	h-index	g-index

97	97	97	1309
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of FCL effect caused by superconducting DC cables for railway systems. IOP Conference Series: Materials Science and Engineering, 2017, 171, 012122.	0.6	1
2	Recent Progress of Experiment on DC Superconducting Power Transmission Line in Chubu University. IEEE Transactions on Applied Superconductivity, 2009, 19, 1778-1781.	1.7	36
3	Research activities of DC superconducting power transmission line in Chubu University. Journal of Physics: Conference Series, 2008, 97, 012290.	0.4	38
4	Printing Process of Newspaper. Journal of the Institute of Electrical Engineers of Japan, 2008, 128, 147-150.	0.0	0
5	Study on the 1/fÎ± Fluctuation of Botanic Potential. AIP Conference Proceedings, 2007, , .	0.4	0
6	Current Pumping Performance of Linear-Type Magnetic Flux Pump With Use of Feedback Control Circuit System. IEEE Transactions on Applied Superconductivity, 2006, 16, 1638-1641.	1.7	19
7	Fabrication and Characteristics of HTS Induction Motor by the Use of Bi-2223/Ag Squirrel-Cage Rotor. IEEE Transactions on Applied Superconductivity, 2006, 16, 1469-1472.	1.7	49
8	Construction of Safe and Environmentâ€"Friendly Traffic Society National Traffic Safety and Environment Laboratory. Journal of the Institute of Electrical Engineers of Japan, 2006, 126, 65-68.	0.0	0
9	Analysis of shielding property in Bi-2223/Ag multifilamentary tapes with multi-layer arrangement. Journal of Materials Processing Technology, 2005, 161, 22-27.	6.3	3
10	Anisotropic distributions of current density and electric field in Bi-2223/Ag coil with consideration of multifilamentary structure. Physica C: Superconductivity and Its Applications, 2005, 419, 129-140.	1.2	16
11	Analysis of Shielding Layers in HTS Cable Taking Account of Spiral Structure. IEEE Transactions on Applied Superconductivity, 2005, 15, 1747-1750.	1.7	8
12	Preliminary Test Results of Radial-Type Sintered Sm-123 Bulk Motor. IEEE Transactions on Applied Superconductivity, 2005, 15, 2198-2201.	1.7	2
13	Design of Bi-2223/Ag Coil Based on Genetic Algorithm and Finite Element Method. IEEE Transactions on Applied Superconductivity, 2005, 15, 1895-1898.	1.7	12
14	Characteristics of a Persistent Current Compensator for Superconducting NMR Magnets Using Linear Type Magnetic Flux Pump. IEEE Transactions on Applied Superconductivity, 2005, 15, 1338-1341.	1.7	11
15	Non-Inductive Variable Reactor Design and Computer Simulation of Rectifier Type Superconducting Fault Current Limiter. IEEE Transactions on Applied Superconductivity, 2005, 15, 2063-2066.	1.7	17
16	Synchronization of an axial-type Bi-2223 bulk motor operated in liquid nitrogen. Superconductor Science and Technology, 2004, 17, 1319-1323.	3.5	6
17	An Approach of Optimal Design of HTS Synchronous Motor Using Genetic Algorithm. IEEE Transactions on Applied Superconductivity, 2004, 14, 896-899.	1.7	9
18	Performances of a Linear Type Magnetic Flux Pump for Compensating a Little Decremented Persistent Current of HTS Magnets. IEEE Transactions on Applied Superconductivity, 2004, 14, 1723-1726.	1.7	6

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19	ANNEALING EFFECTS ON STRUCTURAL AND SUPERCONDUCTING PROPERTIES OF MgB2/Fe WIRES. Modern Physics Letters B, 2004, 18, 791-802.	1.9	4
20	Optimal design of superconducting generator using genetic algorithm and simulated annealing. IET Electric Power Applications, 2004, 151, 543.	1.4	23
21	Performance of conduction-cooled HTS tape with the aid of solid nitrogenâ€“liquid neon mixture. Physica C: Superconductivity and Its Applications, 2004, 412-414, 1221-1224.	1.2	13
22	Characteristic analysis of hysteresis-type Bi-2223 bulk motor with the use of equivalent circuit. Physica C: Superconductivity and Its Applications, 2004, 405, 117-126.	1.2	9
23	Structural and superconducting properties of PIT processed sintered MgB2/Fe wires. Physica C: Superconductivity and Its Applications, 2004, 412-414, 1184-1188.	1.2	10
24	Characteristic study and three dimensional magnetic field analysis of the superconducting synchronous machine. Physica C: Superconductivity and Its Applications, 2004, 416, 108-114.	1.2	4
25	Proposal of DC shield reactor type superconducting fault current limiter. Cryogenics, 2004, 44, 177-182.	1.7	11
26	Proposal of rectifier type superconducting fault current limiter with non-inductive reactor (SFCL). Cryogenics, 2004, 44, 171-176.	1.7	9
27	Design and performance of compensator for decremental persistent current in HTS magnets using linear type magnetic flux pump. Cryogenics, 2004, 44, 839-844.	1.7	39
28	Experiment Using Variable Reactor of Rectifier Type Superconducting Fault Current Limiter With a Short-Circuited Trigger Coil. IEEE Transactions on Applied Superconductivity, 2004, 14, 626-629.	1.7	4
29	Improvement of dissipative property in HTS coil impregnated with solid nitrogen. Physica C: Superconductivity and Its Applications, 2003, 386, 415-418.	1.2	20
30	Electromagnetic characteristics of Bi-2223 disk in a rotating magnetic field. Physica C: Superconductivity and Its Applications, 2003, 392-396, 664-668.	1.2	2
31	Design of 6.6 kV, 100 A saturated DC reactor type superconducting fault current limiter. IEEE Transactions on Applied Superconductivity, 2003, 13, 2012-2015.	1.7	25
32	Waveform analysis of the bridge type SFCL during load changing and fault time. IEEE Transactions on Applied Superconductivity, 2003, 13, 1992-1995.	1.7	12
33	Influences of superconducting fault current limiter (SFCL) on superconducting generator in one-machine double-line system. IEEE Transactions on Applied Superconductivity, 2003, 13, 2206-2209.	1.7	5
34	Characteristics of axial-type HTS motor under different temperature conditions. IEEE Transactions on Applied Superconductivity, 2003, 13, 2201-2205.	1.7	9
35	Design and electrical characteristics analysis of 100 HP HTS synchronous motor in 21st century frontier project, Korea. IEEE Transactions on Applied Superconductivity, 2003, 13, 2197-2200.	1.7	11
36	Corrections to "Characteristics of axial-type hts motor under different temperature conditions". IEEE Transactions on Applied Superconductivity, 2003, 13, 3821-3821.	1.7	0

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37	Investigation of magnetic characteristics in HTS bulk materials for motor applications. IEEE Transactions on Applied Superconductivity, 2003, 13, 2255-2258.	1.7	8
38	Mechanical and superconducting properties of PIT-processed MgB2wire after heat treatment. Superconductor Science and Technology, 2003, 16, 1052-1058.	3.5	38
39	Angular dependence ofEâ€“Jcharacteristics and dissipative properties in Bi-2223/Ag tape. Superconductor Science and Technology, 2002, 15, 230-235.	3.5	22
40	Preliminary experiments on saturated DC reactor type fault current limiter. IEEE Transactions on Applied Superconductivity, 2002, 12, 872-875.	1.7	22
41	Solidification of nitrogen refrigerant and its effect on thermal stability of HTSC tape. Physica C: Superconductivity and Its Applications, 2002, 372-376, 1434-1437.	1.2	29
42	Performance of axial-type motor with Bi-2223 HTS bulk rotor. Physica C: Superconductivity and Its Applications, 2002, 372-376, 1531-1534.	1.2	14
43	Heat Transfer Property of Bi-2223/Ag Tape Impregnated with Solid Nitrogen near Triple Point.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2002, 37, 465-471.	0.1	2
44	Electromagnetic Characteristics of Axial-type HTS Motor Utilizing a Bi-2223 Bulk Rotor.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2002, 37, 726-733.	0.1	7
45	Fundamental experiments of axial-type BSCCO-bulk superconducting motor model. IEEE Transactions on Applied Superconductivity, 2001, 11, 1964-1967.	1.7	14
46	DC reactor effect on bridge type superconducting fault current limiter during load increasing. IEEE Transactions on Applied Superconductivity, 2001, 11, 1944-1947.	1.7	38
47	Preliminary study on axial-type BSCCO superconducting motor. Physica C: Superconductivity and Its Applications, 2001, 354, 100-104.	1.2	12
48	Preliminary studies on characteristics of series-connected resistive type superconducting fault current limiter for system design. Physica C: Superconductivity and Its Applications, 2001, 354, 120-124.	1.2	8
49	Proposal of saturated DC reactor type superconducting fault current limiter (SFCL). Cryogenics, 2001, 41, 469-474.	1.7	29
50	Output power limit of 200 MW class brushless superconducting generator excited with magnetic flux-pump. IEEE Transactions on Applied Superconductivity, 2001, 11, 2335-2338.	1.7	1
51	Influence of magnetic field and magnetic anisotropy on the quench characteristics of Bi-2223/Ag multifilamentary tapes. IEEE Transactions on Applied Superconductivity, 2001, 11, 3341-3344.	1.7	3
52	Anisotropy of critical current and glass-liquid transition flux density in Bi-2223/Ag tape. Superconductor Science and Technology, 2000, 13, 1521-1525.	3.5	9
53	Angular dependence of current transport characteristics in a mixed state of Bi-2223/Ag multifilamentary tape. IEEE Transactions on Applied Superconductivity, 2000, 10, 1166-1169.	1.7	5
54	Measured-loss analysis of superconducting power transmission cable. IEEE Transactions on Applied Superconductivity, 2000, 10, 1223-1226.	1.7	0

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55	A 30 kVA superconducting generator development and basic tests. IEEE Transactions on Applied Superconductivity, 2000, 10, 947-950.	1.7	4
56	Turn off trigger energy characteristics of the superconducting power electronics device (S-PED)-in case of type d. IEEE Transactions on Applied Superconductivity, 1999, 9, 1221-1224.	1.7	1
57	Recent technical trends of superconducting magnets in Japan. I. Magnet data base and recent progress in magnet winding current density. IEEE Transactions on Applied Superconductivity, 1999, 9, 547-552.	1.7	1
58	Conductor pitch effect on an eddy current loss of the superconducting power cable using the disassembled cable "N" data. IEEE Transactions on Applied Superconductivity, 1999, 9, 1277-1280.	1.7	1
59	Recent technical trends of superconducting magnets in Japan. II. Stability and quench characteristics. IEEE Transactions on Applied Superconductivity, 1999, 9, 600-603.	1.7	0
60	Transport Characteristics in YBCO Thin Films under Applying DC and AC Currents. , 1999, , 637-640.		1
61	Conductance Peak at Zero-Bias in Ag-SiO-Bi2Sr2CaCu2O8-xPlanar Tunnel Junctions. Journal of the Physical Society of Japan, 1998, 67, 1732-1737.	1.6	14
62	Fabrication and excitation testing of a fully superconducting brushless generator with magnetic flux pump. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1997, 118, 35-45.	0.4	3
63	Electrical characteristics of a fully superconducting brushless generator equipped with a magnetic flux pump. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1997, 120, 64-72.	0.4	2
64	Current status of superconducting synchronous motor in Saga University. IEEE Transactions on Magnetics, 1996, 32, 2373-2376.	2.1	0
65	Recovery time of superconducting non-inductive reactor type fault current limiter. IEEE Transactions on Magnetics, 1996, 32, 2403-2406.	2.1	11
66	Fabrication and Excitation Test of a Fully Superconducting Brushless Generator with Magnetic Flux pump.. IEEJ Transactions on Industry Applications, 1996, 116, 457-464.	0.2	0
67	Electrical Characteristics of Fully Superconducting Brushless Generator with Magnetic Flux Pump.. IEEJ Transactions on Industry Applications, 1996, 116, 1126-1131.	0.2	0
68	Characteristics of Exciting Superconducting Magnet by Magnetic Flux Pump.. IEEJ Transactions on Industry Applications, 1996, 116, 183-190.	0.2	9
69	Fuzzy Hybrid Control Method Applying High-Speed Inference Method.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1995, 61, 626-632.	0.2	0
70	Maximum photovoltaic power tracking: an algorithm for rapidly changing atmospheric conditions. IET Generation, Transmission and Distribution, 1995, 142, 59.	1.1	1,348
71	Fundamental design and electrical characteristics of superconducting commutatorless motor. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1995, 115, 123-140.	0.4	4
72	Maximum Photovoltaic Power Flow to a Separately Excited DC Motor.. IEEJ Transactions on Industry Applications, 1995, 115, 1221-1228.	0.2	0

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73	Charging a SMES Coil using Photovoltaic Energy.. IEEJ Transactions on Industry Applications, 1995, 115, 1424-1425.	0.2	0
74	Preliminary study on non-inductive reactor type fault current limiter. Cryogenics, 1994, 34, 753-756.	1.7	6
75	Improvement of Control Performances for Low-Dimensional Number of Fuzzy Labelings. (Using Fuzzy) Tj ETQq1 1 0.784314 rgBT /Ov Mechanical Engineers, Part C, 1994, 60, 1315-1322.	0.2	1
76	Grade Discrimination of Dried Seaweed by Fuzzy Image Measured Data and Multivariate Analysis. Journal of Japan Society for Fuzzy Theory and Systems, 1994, 6, 944-956.	0.0	0
77	Fundamental Design and Electrical Characteristics of Superconducting Commutatorless Motor.. IEEJ Transactions on Industry Applications, 1994, 114, 197-206.	0.2	3
78	Electrical characteristics of fully superconducting synchronous generator in persistent excitation mode. IEEE Transactions on Magnetics, 1992, 28, 434-437.	2.1	8
79	MHz band impedance analysis of oxide superconductors (YBCO). IEEE Transactions on Magnetics, 1992, 28, 763-766.	2.1	0
80	Determination of the Metallic Elements in High Tc Superconductors M-X-Cu-O (M = Ba,Sr,X = Y,La) System by Isotachophoresis Method and X-ray Fluorescence Method. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 184, 297-301.	0.3	0
81	The potential for superconducting electric motors.. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	3
82	1â€•to 3â€GVA class superconducting power transmission cables with Nb₃Sn or oxide superconductor. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1988, 108, 75-85.	0.4	0
83	1 to 3 GVA class superconducting power transmission cables with Nb3Sn or oxide superconductor.. IEEJ Transactions on Power and Energy, 1988, 108, 431-438.	0.2	0
84	Analysis for Electromagnetic Levitation of Cusp Ciol. IEEJ Transactions on Power and Energy, 1982, 102, 219-226.	0.2	0
85	Levitating Force Working to Metal Specimen in Electromagnetic Levitation System using a Cusp Coil. IEEJ Transactions on Power and Energy, 1981, 101, 229-236.	0.2	0
86	Effects of exciting frequency on the characteristics of attractiveâ€type magnetic levitation. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1979, 99, 66-73.	0.4	0
87	An application of the observer to the attractiveâ€type magnetic, levitation. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1979, 99, 107-115.	0.4	2
88	An Application of the Observer to the Attractive type Magnetic Levitation. IEEJ Transactions on Power and Energy, 1979, 99, 549-556.	0.2	1
89	Measurements of Neutron Thermalization Parameters of Light Water with Non-1/vAbsorber Using Pulsed Neutron Technique. Journal of Nuclear Science and Technology, 1971, 8, 423-430.	1.3	1
90	An Adaptive Control Concept of Reactor Power Distribution. Journal of Nuclear Science and Technology, 1970, 7, 321-322.	1.3	4

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91	Calculation of Thermalization of Pulsed Neutrons by Few-Pole Expansion Method. Journal of Nuclear Science and Technology, 1969, 6, 514-521.	1.3	1
92	Calculation of Space-Dependent Reactor Transfer Function by Few-Pole Expansion Method. Journal of Nuclear Science and Technology, 1968, 5, 229-235.	1.3	4
93	Calculation of Space-Dependent Reactor Transfer Function by Few-Pole Expansion Method. Journal of Nuclear Science and Technology, 1968, 5, 229-235.	1.3	3
94	New Approximate Solution of Space- and Energy-Dependent Reactor Kinetics. Nuclear Science and Engineering, 1965, 23, 170-182.	1.1	10
95	Measurement of Migration Area and Multiplication Factor of UO2-H2O Lattice. Journal of Nuclear Science and Technology, 1965, 2, 257-260.	1.3	1