

Yasuyuki Shirai

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Design, Fabrication and Soundness Test of A Bi2223 Magnet Designed for Cooling by Liquid Hydrogen. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	2
2	Heat transfer characteristics of liquid hydrogen flowing inside of a vertical heated pipe under quasi-stationary heat input. Cryogenics, 2021, 113, 103230.	1.7	6
3	Development of Liquid Hydrogen Cooling System for a Rotor of Superconducting Generator. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	5
4	Robust calculation method of voltage stability margin based on voltage collapse point properties. IEEE Transactions on Electrical and Electronic Engineering, 2021, 16, 1463.	1.4	1
5	Recovery Characteristics of GdBCO Series-Connected Non-Inductive Coil in Pressurized Liquid Nitrogen for a Resistive SFCL. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	4
6	Design and Cooling Properties of High Stable Field REBCO Superconducting Magnet for MRI. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	16
7	Research and Development of Liquid Hydrogen-Cooled Superconducting Energy Apparatus. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2020, 55, 44-52.	0.1	1
8	Experiment and Simulation for Normal Zone Propagation of Multifilament MgB2 Superconducting Wire Cooled by Liquid Hydrogen. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	5
9	Recovery Characteristics of GdBCO Tape in a Pressurized Liquid Nitrogen for a Resistive SFCL. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	8
10	Excitation Test of Solenoid MgB2 Coil Under External Magnetic Field Immersed in Liquid Hydrogen. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	8
11	Enhancement Test of Critical Clearing Time of One-Machine Infinite Bus Transmission System by Use of SFCL. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	6
12	DNB heat flux on inner side of a vertical pipe in forced flow of liquid hydrogen and liquid nitrogen. Cryogenics, 2018, 92, 105-117.	1.7	14
13	Improvement of Recovery Characteristics of REBCO Tape With Several Surface Conditions for Resistive Fault Current Limiter. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	12
14	Recovery Characteristics of GdBCO Superconducting Tape With Cooling Fins and Teflon Coating for Resistive Fault Current Limiter. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	12
15	Heat Transfer Characteristics of a Horizontal Wire in Pools of Liquid and Supercritical Hydrogen. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1185-1188.	1.8	11
16	Proposal of Dynamic Modeling of Distribution System with System Identification. Journal of International Council on Electrical Engineering, 2014, 4, 258-264.	0.4	1
17	Current Limiting and Recovery Tests Under Load of Three-Phase Transformer Type Coaxial SFCL in a Model Power System. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	4
18	Characteristic of small-scale BESS for HOTT generation system. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	Natural convection heat transfer from a vertical cylinder in liquid sodium. Mechanical Engineering Journal, 2014, 1, TEPO003-TEPO003.	0.4	6
20	Current Limiting Performance of Three-Phase Concentric Transformer Type SFCL at Unbalanced Fault Conditions. IEEE Transactions on Applied Superconductivity, 2013, 23, 5601905-5601905.	1.7	7
21	Experimental Set-Up for Evaluation of Electro-Magnetic Characteristics of High-Tc Superconductors Cooled by Liquid Hydrogen. IEEE Transactions on Applied Superconductivity, 2013, 23, 9500404-9500404.	1.7	4
22	Transient Critical Heat Fluxes of Subcooled Water Flow Boiling in a SUS304-CIRCULAR Tube with Twisted-Tape Insert. Journal of Power and Energy Systems, 2013, 7, 122-137.	0.5	4
23	Forced convection heat transfer of subcooled liquid hydrogen in horizontal tubes. AIP Conference Proceedings, 2012, , .	0.4	9
24	Computational Study of Turbulent Heat Transfer for Heating of Water in a Vertical Circular Tube. Journal of Power and Energy Systems, 2012, 6, 446-461.	0.5	7
25	Current Limiting Experiment of Transformer Type Superconducting Fault Current Limiter With Rewound Structure Using BSCCO Wire in Small Model Power System. IEEE Transactions on Applied Superconductivity, 2011, 21, 1307-1310.	1.7	9
26	Transient Turbulent Heat Transfer for Heating of Water in a Short Vertical Tube. Journal of Power and Energy Systems, 2011, 5, 414-428.	0.5	10
27	Forced flow boiling heat transfer of liquid hydrogen for superconductor cooling. Cryogenics, 2011, 51, 295-299.	1.7	39
28	ICONE19-43301 COMPUTATIONAL STUDY OF TURBULENT HEAT TRANSFER FOR HEATING OF WATER IN A SHORT VERTICAL TUBE. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2011, 2011.19, _ICONE1943-_ICONE1943.	0.0	3
29	ICONE19-43190 TRANSIENT TURBULENT HEAT TRANSFER FOR HEATING OF WATER IN A SHORT VERTICAL TUBE. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2011, 2011.19, _ICONE1943-_ICONE1943.	0.0	0
30	Hybrid Power Generation System Using Offshore-Wind Turbine and Tidal Turbine for Power Fluctuation Compensation (HOT-PC). IEEE Transactions on Sustainable Energy, 2010, 1, 92-98.	8.8	46
31	Boiling heat transfer from a horizontal flat plate in a pool of liquid hydrogen. Cryogenics, 2010, 50, 410-416.	1.7	35
32	On-Line Evaluation of an Electric Power System by Use of SMES—Experimental Study on Power System Simulator With Rotating Generator Models—. IEEE Transactions on Applied Superconductivity, 2009, 19, 2032-2035.	1.7	1
33	Basic Experiments on Transformer Type SCFCL of Rewound Structure Using BSCCO Wire. IEEE Transactions on Applied Superconductivity, 2009, 19, 1892-1895.	1.7	6
34	Analyzing Small Signal Stability of Power System based on Online Data by Use of SMES. IEEE Transactions on Power and Energy, 2009, 129, 1290-1298.	0.2	1
35	Hybrid offshore-wind and tidal turbine (HOTT) energy Conversion I.. (6-pulse GTO rectifier and) Tj ETQq1 1 0.784314 rgBT /Overlock 10		13
36	Numerical Analysis of Forced Convection Heat Transfer of Subcooled Liquid Nitrogen. IEEE Transactions on Applied Superconductivity, 2008, 18, 1483-1486.	1.7	5

#	ARTICLE	IF	CITATIONS
37	The Superfluid Helium Technology for Superconducting Application. Heat Transfer in Superfluid Helium. (1). Steady-state Heat Transfer and Its Critical Heat Flux.. TEION KOGAKU (Journal of Cryogenics) Tj ETQq1 0.0.784314 rgBT /Ov	0.784314	14
38	The Superfluid Helium Technology for Superconducting Application. Heat Transfer in Superfluid Helium. (2). Transient Heat Transfer Produced by Stepwise Heat Input.. TEION KOGAKU (Journal of) Tj ETQq0 0 0 rgBT /Overlook 10 Tf 50	0.0	0