

Yasuyuki Shirai

List of Publications by Year in descending order

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papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | Forced flow boiling heat transfer of liquid hydrogen for superconductor cooling. Cryogenics, 2011, 51, 295-299. | 1.7 | 39 |
| 3 | Boiling heat transfer from a horizontal flat plate in a pool of liquid hydrogen. Cryogenics, 2010, 50, 410-416. | 1.7 | 35 |
| 4 | 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 |
| 5 | 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 |
| 6 | Hybrid offshore-wind and tidal turbine (HOTT) energy Conversion I.. (6-pulse GTO rectifier and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 | 1.7 | 13 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Forced convection heat transfer of subcooled liquid hydrogen in horizontal tubes. AIP Conference Proceedings, 2012, , . | 0.4 | 9 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Basic Experiments on Transformer Type SCFCL of Rewound Structure Using BSCCO Wire. IEEE Transactions on Applied Superconductivity, 2009, 19, 1892-1895. | 1.7 | 6 |
| 18 | Natural convection heat transfer from a vertical cylinder in liquid sodium. Mechanical Engineering Journal, 2014, 1, TEPO003-TEPO003. | 0.4 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Numerical Analysis of Forced Convection Heat Transfer of Subcooled Liquid Nitrogen. IEEE Transactions on Applied Superconductivity, 2008, 18, 1483-1486. | 1.7 | 5 |
| 22 | Experiment and Simulation for Normal Zone Propagation of Multifilament MgB ₂ Superconducting Wire Cooled by Liquid Hydrogen. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6. | 1.7 | 5 |
| 23 | Development of Liquid Hydrogen Cooling System for a Rotor of Superconducting Generator. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5. | 1.7 | 5 |
| 24 | Experimental Set-Up for Evaluation of Electro-Magnetic Characteristics of High-T _c Superconductors Cooled by Liquid Hydrogen. IEEE Transactions on Applied Superconductivity, 2013, 23, 9500404-9500404. | 1.7 | 4 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 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 | Characteristic of small-scale BESS for HOTT generation system. , 2014, , . | | 2 |
| 30 | 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 |
| 31 | 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 |
| 32 | Proposal of Dynamic Modeling of Distribution System with System Identification. Journal of International Council on Electrical Engineering, 2014, 4, 258-264. | 0.4 | 1 |
| 33 | 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 |
| 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 | 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 |
| 36 | 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 ETQq0 0.0 rgBT /Overlock 10 | | |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | 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 ETQq1 1 0.784314 rgB0 /Overl | 0.0 | 0 |
| 38 | 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 |