

Makoto Takayasu

List of Publications by Year in descending order

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times ranked

429
citing authors

#	ARTICLE	IF	CITATIONS
1	HTS twisted stacked-tape cable conductor. Superconductor Science and Technology, 2012, 25, 014011.	3.5	283
2	VIPER: an industrially scalable high-current high-temperature superconductor cable. Superconductor Science and Technology, 2020, 33, 11LT01.	3.5	114
3	Conductor Characterization of YBCO Twisted Stacked-Tape Cables. IEEE Transactions on Applied Superconductivity, 2013, 23, 4800104-4800104.	1.7	91
4	Pure bending strains of Nb ₃ Sn wires. Superconductor Science and Technology, 2011, 24, 045012.	3.5	23
5	Development of Termination Methods for 2G HTS Tape Cable Conductors. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	15
6	An Acoustic Quench Detection Method for CICC Conductor Operating in Gas or Liquid. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	12
7	Width-bending characteristic of REBCO HTS tape and flat-tape Rutherford-type cabling. Superconductor Science and Technology, 2021, 34, 125020.	3.5	11
8	Acoustic MEMS Sensor Array for Quench Detection of CICC Superconducting Cables. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	10
9	Re-Makeable Joint With Insulation for REBCO Superconductor Cables. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	3
10	Structural Features of Twisted Stacked-Tape Cables With High Lorentz Loads Using Finite Element Analysis. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	3
11	Structural Finite Element Evaluation of Twisted Stacked-Tape Cable Under Cyclic Lorentz Loads. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	3
12	Characterization of MEMS Acoustic Sensors and Amplifiers in Cryogenic Fluids for Quench Detection Applications in HTS CICC. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	2
13	Defect Tolerant High-Temperature Superconducting Cable for the Central Solenoid of Compact Fusion Reactor. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	1
14	Coolant Pressure Evaluations for a MEMS Sensor-Array Quench Detection in REBCO CICC Superconducting Cables. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	0
15	Performance of a Test Coil Wound From Defect-Tolerant Second-Generation Cable. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	0