

Zhilong Hou

List of Publications by Year in descending order

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26
papers

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26
all docs

26
docs citations

26
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	EMuS Muon Facility and Its Application in the Study of Magnetism. Quantum Beam Science, 2018, 2, 23.	1.2	22
2	20-T Dipole Magnet With Common-Coil Configuration: Main Characteristics and Challenges. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	21
3	Magnetic Design Study of the High-Field Common-Coil Dipole Magnet for High-Energy Accelerators. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	19
4	Numerical Study on Quench Process in Multi-Sectioned Adiabatic Superconducting Electromagnetic Iron Separator. IEEE Transactions on Applied Superconductivity, 2010, 20, 2142-2145.	1.7	8
5	The Development of 5.5 T High Gradient Superconducting Magnetic Separator. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3187-3191.	1.8	8
6	2-D Mechanical Design Study of a 20-T Two-in-One Common-Coil Dipole Magnet for High-Energy Accelerators. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	8
7	Design of Cylindrical Transverse Gradient Coil for 1.5 T MRI System. IEEE Transactions on Applied Superconductivity, 2012, 22, 4402004-4402004.	1.7	7
8	Electromagnetic Design Study of a 20-T Cos-Theta 2-in-1 Dipole Magnet for High-Energy Accelerators. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	6
9	The Research on No-Insulation ReBCO Racetrack Coil. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	6
10	Magnetic Field Mapping in the BESIII Solenoid. IEEE Transactions on Applied Superconductivity, 2010, 20, 324-327.	1.7	5
11	Test of BESIII Detector Magnet. IEEE Transactions on Applied Superconductivity, 2010, 20, 156-158.	1.7	5
12	Conceptual Design of the Capture Superconducting Solenoid for Experimental Muon Source. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-7.	1.7	5
13	Cold Mass Support Structure Design of MRI Superconducting Magnet Developed by IHEP. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.7	4
14	Excitation characteristics of magnets impregnated with paraffin wax. Cryogenics, 2018, 94, 22-25.	1.7	4
15	Tests of 3 T Superconducting Electromagnetic Iron Separator. IEEE Transactions on Applied Superconductivity, 2010, 20, 957-960.	1.7	3
16	Development of an Eddy-current Separation Equipment with High gradient Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2014, , 1-1.	1.7	3
17	The Development of HTS Solenoid Lens for Electron Microscope. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.7	3
18	Development of a Superconducting Electromagnet Iron Separator. Journal of Superconductivity and Novel Magnetism, 2012, 25, 969-973.	1.8	2

#	ARTICLE	IF	CITATIONS
19	Cryogenic system of China Dark matter Experiment (CDEX-10). <i>Cryogenics</i> , 2016, 76, 10-15.	1.7	2
20	AC Losses Analysis and Experiments of Superconducting Electromagnetic Iron Separator. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 9002304-9002304.	1.7	1
21	Physical Design of the Superferric Dipole for EMuS. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-4.	1.7	1
22	Analysis of thermal characteristics for EMuS capture solenoids. <i>Radiation Detection Technology and Methods</i> , 2021, 5, 542-549.	0.8	1
23	Development of a 6-T Conduction-Cooled Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 4905605-4905605.	1.7	0
24	Uniformity Aspects of Superconducting MRI Magnet Developed by IHEP. <i>IEEE Transactions on Applied Superconductivity</i> , 2014, 24, 30-34.	1.7	0
25	A Multiple Layers Superconducting Magnet Design for 9.4T Magnetic Resonance Imaging. <i>IEEE Transactions on Applied Superconductivity</i> , 2014, 24, 1-3.	1.7	0
26	Mechanical design and analysis of capture superconducting solenoid for EMuS. <i>Radiation Detection Technology and Methods</i> , 2021, 5, 27-32.	0.8	0