

Amalia Ballarino

List of Publications by Year in descending order

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docs citations

23
times ranked

1024
citing authors

#	ARTICLE	IF	CITATIONS
1	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	2.6	367
2	Targets for R&D on Nb ₃ Sn Conductor for High Energy Physics. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.7	88
3	Development of superconducting links for the Large Hadron Collider machine. Superconductor Science and Technology, 2014, 27, 044024.	3.5	72
4	The EuCARD2 Future Magnets Program for Particle Accelerator High-Field Dipoles: Review of Results and Next Steps. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-10.	1.7	40
5	Irreversible degradation of Nb ₃ Sn Rutherford cables due to transverse compressive stress at room temperature. Superconductor Science and Technology, 2018, 31, 065009.	3.5	35
6	The CERN FCC Conductor Development Program: A Worldwide Effort for the Future Generation of High-Field Magnets. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-9.	1.7	35
7	First Cold Powering Test of REBCO Roebel Wound Coil for the EuCARD2 Future Magnet Development Project. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.7	31
8	Critical Current Measurements of High- J_c Nb_3Sn Rutherford Cables Under Transverse Compression. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	28
9	Composition and connectivity variability of the A15 phase in PIT Nb ₃ Sn wires. Superconductor Science and Technology, 2015, 28, 095001.	3.5	21
10	A European Collaboration to Investigate Superconducting Magnets for Next Generation Heavy Ion Therapy. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-7.	1.7	15
11	Very high upper critical fields and enhanced critical current densities in Nb ₃ Sn superconductors based on Nb \AA -Zr alloys and internal oxidation. JPhys Materials, 2021, 4, 025003.	4.2	13
12	Design optimization and evaluation of the 3 kA MgB ₂ cable at 4.3 K for the superconducting link project at CERN. Superconductor Science and Technology, 2019, 32, 085003.	3.5	10
13	Magnetic and Mechanical Analysis of a Large Aperture 15 T Cable Test Facility Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.7	10
14	Phase Evolution During Heat Treatment of Nb ₃ Sn Wires Under Development for the FCC Study. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.7	7
15	Quench Propagation in Helium-Gas-Cooled MgB ₂ Cables. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	6
16	Progress on the Upgrade of EDIPO, a 15 T Large Aperture Dipole. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	5
17	Progress on HTS Undulator Prototype Coils for Compact FEL Designs. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5
18	Results of the Cold Powering Tests of the Demonstrators of HL-LHC SC-Links. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Investigation of Splice Resistances of High-Current MgB ₂ Cables Operated in Liquid and Helium Gas. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	3
20	Quantitative Analysis and Optimization of Nb ₃ Sn Wire Designs Toward Future Circular Collider Performance Targets. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-7.	1.7	3
21	Design, Performance and Cabling Analysis of Nb ₃ Sn Wires for the FCC Study. Journal of Physics: Conference Series, 2020, 1559, 012026.	0.4	3
22	Cable Design and Development for the High-Temperature Superconductor Cable Test Facility Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	3
23	Conceptual study of the cryostats for the cold powering system for the triplets of the High Luminosity LHC. IOP Conference Series: Materials Science and Engineering, 2017, 278, 012155.	0.6	1