Amalia Ballarino

List of Publications by Year
in descending order

23 papers	806 citations	840776 11 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	1024 citing authors

#	Article	IF	Citations
1	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
2	Progress on HTS Undulator Prototype Coils for Compact FEL Designs. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5
3	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
4	Magnetic and Mechanical Analysis of a Large Aperture 15ÂT Cable Test Facility Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.7	10
5	Very high upper critical fields and enhanced critical current densities in Nb₃Sn superconductors based on Nbâ€“Taâ€“Zr alloys and internal oxidation. JPhys Materials, 2021, 4, 025003.	4.2	13
6	Phase Evolution During Heat Treatment of Nb₃Sn Wires Under Development for the FCC Study. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.7	7
7	Progress on the Upgrade of EDIPO, a 15 T Large Aperture Dipole. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	5
8	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
9	Design, Performance and Cabling Analysis of Nb₃Sn Wires for the FCC Study. Journal of Physics: Conference Series, 2020, 1559, 012026.	0.4	3
10	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	2.6	367
11	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
12	Design optimization and evaluation of the 3 kA MgB₂ cable at 4.3 K for the superconducting link project at CERN. Superconductor Science and Technology, 2019, 32, 085003.	3.5	10
13	Quantitative Analysis and Optimization of Nb₃Sn Wire Designs Toward Future Circular Collider Performance Targets. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-7.	1.7	3
14	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
15	Irreversible degradation of Nb₃Sn Rutherford cables due to transverse compressive stress at room temperature. Superconductor Science and Technology, 2018, 31, 065009.	3.5	35
16	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
17	Investigation of Splice Resistances of High-Current MgB2 Cables Operated in Liquid and Helium Gas. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	3
18	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

#	Article	IF	Citations
19	Quench Propagation in Helium-Gas-Cooled MgB₂Cables. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	6
20	Composition and connectivity variability of the A15 phase in PIT Nb₃Sn wires. Superconductor Science and Technology, 2015, 28, 095001.	3.5	21
21	Targets for R&D on Nb₃Sn Conductor for High Energy Physics. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.7	88
22	Development of superconducting links for the Large Hadron Collider machine. Superconductor Science and Technology, 2014, 27, 044024.	3.5	72
23	Critical Current Measurements of High-<formula formulatype="inline"><tex Notation="TeX">J_{c}</tex> </formula> <formula formulatype="inline"><tex Notation="TeX">$hbox{Nb}_{3}hbox{Sn}$</tex></formula> Rutherford Cables Under Transverse Compression. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	28