Nicolò Riva

List of Publications by Year
in descending order

10 papers	**65** citations	1684188 **5** h-index	1588992 **8** g-index
10 all docs	**10** docs citations	**10** times ranked	**78** citing authors

#	Article	IF	Citations
1	Electromagnetic Modeling of Superconductors With Commercial Software: Possibilities With Two Vector Potential-Based Formulations. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-9.	1.7	17
2	Resistivity of REBCO tapes in overcritical current regime: impact on superconducting fault current limiter modeling. Superconductor Science and Technology, 2020, 33, 114008.	3.5	16
3	Overcritical Current Resistivity of YBCO-Coated Conductors Through Combination of PCM and Finite-Element Analysis. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	11
4	Fast Hotspot Detection in SFCLs by Exploiting Strain Response in Optical Fiber Sensing. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	5
5	Optical fibre based quench detection in HTS applications using machine learning classifiers. Physica C: Superconductivity and Its Applications, 2022, 593, 1354007.	1.2	5
6	Superconductors for power applications: an executable and web application to learn about resistive fault current limiters. European Journal of Physics, 2021, 42, 045802.	0.6	4
7	Study of a Superconducting Magnetic Diverter for the ATHENA X-Ray Space Telescope. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	3
8	A wide range $E–J$ constitutive law for simulating REBCO tapes above their critical current. Superconductor Science and Technology, 2021, 34, 115014.	3.5	3
9	Optimization Method for Extracting Stabilizer Geometry and Properties of REBCO Tapes. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	1
10	AURORA: a public applications server to introduce students to superconductivity. Journal of Physics: Conference Series, 2021, 2043, 012005.	0.4	0