

Mattia Checchin

List of Publications by Year in descending order

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papers

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citations

1307594
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all docs

9
docs citations

9
times ranked

237
citing authors

#	ARTICLE	IF	CITATIONS
1	TOF-SIMS analysis of decoherence sources in superconducting qubits. Applied Physics Letters, 2022, 120, .	3.3	15
2	High-field Q-slope mitigation due to impurity profile in superconducting radio-frequency cavities. Applied Physics Letters, 2020, 117, .	3.3	9
3	Vortex Dynamics and Dissipation under High-Amplitude Microwave Drive. Physical Review Applied, 2020, 14, .	3.8	7
4	Field-Enhanced Superconductivity in High-Frequency Niobium Accelerating Cavities. Physical Review Letters, 2018, 121, 224801.	7.8	20
5	Frequency dependence of trapped flux sensitivity in SRF cavities. Applied Physics Letters, 2018, 112, .	3.3	16
6	Electron mean free path dependence of the vortex surface impedance. Superconductor Science and Technology, 2017, 30, 034003.	3.5	23
7	Unprecedented quality factors at accelerating gradients up to 45 MVm^{-1} in niobium superconducting resonators via low temperature nitrogen infusion. Superconductor Science and Technology, 2017, 30, 094004.	3.5	109
8	Effect of interstitial impurities on the field dependent microwave surface resistance of niobium. Applied Physics Letters, 2016, 109, .	3.3	38
9	Efficient expulsion of magnetic flux in superconducting radiofrequency cavities for high Q applications. Journal of Applied Physics, 2016, 119, .	2.5	57