

François Couedo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

471
citations

759233

12
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

912
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the stability of graphene devices for quantum resistance metrology at direct and alternating current. Measurement Science and Technology, 2022, 33, 065012.	2.6	9
2	Impact of epitaxial strain on the topological-nontopological phase diagram and semimetallic behavior of InAs/GaSb composite quantum wells. Physical Review B, 2020, 101, .	3.2	3
3	Dynamic properties of high-Tc superconducting nano-junctions made with a focused helium ion beam. Scientific Reports, 2020, 10, 10256.	3.3	12
4	Present and future of high-temperature superconductor quantum-based voltage standards. IEEE Instrumentation and Measurement Magazine, 2020, 23, 4-12.	1.6	1
5	Energy gap tuning and gate-controlled topological phase transition in InAs/GaSb composite quantum wells. Physical Review Materials, 2020, 4, .	3.3	11
6	Sample-based calibration for cryogenic broadband microwave reflectometry measurements. AIP Advances, 2019, 9, 075005.	1.3	0
7	High- T_c superconducting detector for highly-sensitive microwave magnetometry. Applied Physics Letters, 2019, 114, .	3.3	12
8	Gap suppression at a Lifshitz transition in a multi-condensate superconductor. Nature Materials, 2019, 18, 948-954.	27.5	34
9	Competition between electron pairing and phase coherence in superconducting interfaces. Nature Communications, 2018, 9, 407.	12.8	40
10	HTS Josephson junctions arrays for high-frequency mixing. Superconductor Science and Technology, 2018, 31, 035003.	3.5	11
11	High-temperature superconducting nano-meanders made by ion irradiation. Superconductor Science and Technology, 2018, 31, 015019.	3.5	10
12	Static and radio frequency magnetic response of high T_c superconducting quantum interference filters made by ion irradiation. Superconductor Science and Technology, 2018, 31, 095005.	3.5	9
13	Engineering quantum spin Hall insulators by strained-layer heterostructures. Applied Physics Letters, 2016, 109, .	3.3	24
14	Single-edge transport in an InAs/GaSb quantum spin Hall insulator. Physical Review B, 2016, 94, .	3.2	29
15	Dissipative phases across the superconductor-to-insulator transition. Scientific Reports, 2016, 6, 35834.	3.3	15
16	Destruction of superconductivity in disordered materials: A dimensional crossover. Physical Review B, 2014, 90, .	3.2	6
17	Superconductor-Metal-Insulator Transitions in two dimensional amorphous NbSi_2 . Journal of Physics: Conference Series, 2014, 568, 052012.	0.4	3
18	Background studies for the EDELWEISS dark matter experiment. Astroparticle Physics, 2013, 47, 1-9.	4.3	54

#	ARTICLE	IF	CITATIONS
19	Axion searches with the EDELWEISS-II experiment. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 067-067.	5.4	76
20	Effect of annealing on the superconducting properties of $a\text{-Nb}_x\text{Si}_{1-x}$ thin films. Physical Review B, 2013, 87, .	3.2	14
21	Search for low-mass WIMPs with EDELWEISS-II heat-and-ionization detectors. Physical Review D, 2012, 86, .	4.7	96