

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	Search for low-mass WIMPs with EDELWEISS-II heat-and-ionization detectors. <i>Physical Review D</i> , 2012, 86, .	4.7	96
2	Axion searches with the EDELWEISS-II experiment. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 067-067.	5.4	76
3	Background studies for the EDELWEISS dark matter experiment. <i>Astroparticle Physics</i> , 2013, 47, 1-9.	4.3	54
4	Competition between electron pairing and phase coherence in superconducting interfaces. <i>Nature Communications</i> , 2018, 9, 407.	12.8	40
5	Gap suppression at a Lifshitz transition in a multi-condensate superconductor. <i>Nature Materials</i> , 2019, 18, 948-954.	27.5	34
6	Single-edge transport in an InAs/GaSb quantum spin Hall insulator. <i>Physical Review B</i> , 2016, 94, .	3.2	29
7	Engineering quantum spin Hall insulators by strained-layer heterostructures. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	24
8	Dissipative phases across the superconductor-to-insulator transition. <i>Scientific Reports</i> , 2016, 6, 35834.	3.3	15
9	Effect of annealing on the superconducting properties of $\text{In}_x\text{Sb}_{1-x}$ thin films. <i>Physical Review B</i> , 2013, 87, .	3.2	14
10	Energy gap tuning and gate-controlled topological phase transition in InAs/GaSb composite quantum wells. <i>Physical Review Materials</i> , 2020, 4, .	2.1	13
11	High- T_c superconducting detector for highly-sensitive microwave magnetometry. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	12
12	Dynamic properties of high- T_c superconducting nano-junctions made with a focused helium ion beam. <i>Scientific Reports</i> , 2020, 10, 10256.	3.3	12
13	HTS Josephson junctions arrays for high-frequency mixing. <i>Superconductor Science and Technology</i> , 2018, 31, 035003.	3.5	11
14	High-temperature superconducting nano-meanders made by ion irradiation. <i>Superconductor Science and Technology</i> , 2018, 31, 015019.	3.5	10
15	Static and radio frequency magnetic response of high T_c superconducting quantum interference filters made by ion irradiation. <i>Superconductor Science and Technology</i> , 2018, 31, 095005.	3.5	9
16	Investigation of the stability of graphene devices for quantum resistance metrology at direct and alternating current. <i>Measurement Science and Technology</i> , 2022, 33, 065012.	2.6	9
17	Destruction of superconductivity in disordered materials: A dimensional crossover. <i>Physical Review B</i> , 2014, 90, .	3.2	6
18	Superconductor-Metal-Insulator Transitions in two dimensional amorphous $\text{Nb}_x\text{Si}_{1-x}$. <i>Journal of Physics: Conference Series</i> , 2014, 568, 052012.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Impact of epitaxial strain on the topological-nontopological phase diagram and semimetallic behavior of InAs/GaSb composite quantum wells. <i>Physical Review B</i> , 2020, 101, .	3.2	3
20	Present and future of high-temperature superconductor quantum-based voltage standards. <i>IEEE Instrumentation and Measurement Magazine</i> , 2020, 23, 4-12.	1.6	1
21	Sample-based calibration for cryogenic broadband microwave reflectometry measurements. <i>AIP Advances</i> , 2019, 9, 075005.	1.3	0