

Landry Bretheau

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

964
citations

14
h-index

20
g-index

20
ext. papers

1,232
ext. citations

13.6
avg, IF

4.11
L-index

#	Paper	IF	Citations
19	Electrically tunable low-density superconductivity in a monolayer topological insulator. <i>Science</i> , 2018 , 362, 926-929	33.3	167
18	Observing a quantum Maxwell demon at work. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7561-7564	11.5	113
17	Exciting Andreev pairs in a superconducting atomic contact. <i>Nature</i> , 2013 , 499, 312-5	50.4	111
16	Coherent manipulation of Andreev states in superconducting atomic contacts. <i>Science</i> , 2015 , 349, 1199-1202	39.3	107
15	Coherent control of a hybrid superconducting circuit made with graphene-based van der Waals heterostructures. <i>Nature Nanotechnology</i> , 2019 , 14, 120-125	28.7	75
14	Observing interferences between past and future quantum states in resonance fluorescence. <i>Physical Review Letters</i> , 2014 , 112, 180402	7.4	62
13	Evidence for long-lived quasiparticles trapped in superconducting point contacts. <i>Physical Review Letters</i> , 2011 , 106, 257003	7.4	61
12	Tunnelling spectroscopy of Andreev states in graphene. <i>Nature Physics</i> , 2017 , 13, 756-760	16.2	49
11	Quantum optics. Quantum dynamics of an electromagnetic mode that cannot contain N photons. <i>Science</i> , 2015 , 348, 776-9	33.3	47
10	Observing Quantum State Diffusion by Heterodyne Detection of Fluorescence. <i>Physical Review X</i> , 2016 , 6,	9.1	42
9	Supercurrent Spectroscopy of Andreev States. <i>Physical Review X</i> , 2013 , 3,	9.1	37
8	Dynamics of quasiparticle trapping in Andreev levels. <i>Physical Review B</i> , 2014 , 89,	3.3	34
7	Using Spontaneous Emission of a Qubit as a Resource for Feedback Control. <i>Physical Review Letters</i> , 2016 , 117, 060502	7.4	18
6	Theory of microwave spectroscopy of Andreev bound states with a Josephson junction. <i>Physical Review B</i> , 2014 , 90,	3.3	14
5	Parameter estimation from measurements along quantum trajectories 2015 ,		7
4	Superconducting quantum point contacts. <i>Comptes Rendus Physique</i> , 2012 , 13, 89-100	1.4	7
3	Weyl Josephson circuits. <i>Physical Review Research</i> , 2021 , 3,	3.9	6

- 2 Tunneling spectroscopy of graphene nanodevices coupled to large-gap superconductors. *Physical Review B*, **2018**, 98, 33 6
- 1 Time-resolved thermal crosstalk characterisation of laser diode arrays. *Electronics Letters*, **2009**, 45, 467 1.1