

Kyle Serniak

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.

12
papers

305
citations

9
h-index

13
g-index

13
ext. papers

469
ext. citations

10.6
avg, IF

3.26
L-index

#	Paper	IF	Citations
12	Direct Microwave Measurement of Andreev-Bound-State Dynamics in a Semiconductor-Nanowire Josephson Junction. <i>Physical Review Letters</i> , 2018 , 121, 047001	7.4	70
11	Hot Nonequilibrium Quasiparticles in Transmon Qubits. <i>Physical Review Letters</i> , 2018 , 121, 157701	7.4	62
10	Development of Magnetic Nanoparticles as Microwave-Specific Catalysts for the Rapid, Low-Temperature Synthesis of Formalin Solutions. <i>ACS Catalysis</i> , 2013 , 3, 1318-1323	13.1	36
9	Direct Dispersive Monitoring of Charge Parity in Offset-Charge-Sensitive Transmons. <i>Physical Review Applied</i> , 2019 , 12,	4.3	33
8	Planar Multilayer Circuit Quantum Electrodynamics. <i>Physical Review Applied</i> , 2016 , 5,	4.3	27
7	Continuous monitoring of a trapped superconducting spin. <i>Nature Physics</i> , 2020 , 16, 1103-1107	16.2	21
6	Photon-Assisted Charge-Parity Jumps in a Superconducting Qubit. <i>Physical Review Letters</i> , 2019 , 123, 107704	7.4	14
5	Driving Forbidden Transitions in the Fluxonium Artificial Atom. <i>Physical Review Applied</i> , 2018 , 9,	4.3	14
4	Comparison of dielectric loss in titanium nitride and aluminum superconducting resonators. <i>Applied Physics Letters</i> , 2020 , 117, 124004	3.4	9
3	Coherent manipulation of an Andreev spin qubit. <i>Science</i> , 2021 , 373, 430-433	33.3	8
2	Free-standing silicon shadow masks for transmon qubit fabrication. <i>AIP Advances</i> , 2020 , 10, 065120	1.5	7
1	Hexagonal boron nitride as a low-loss dielectric for superconducting quantum circuits and qubits.. <i>Nature Materials</i> , 2022 ,	27	4