

# Kyle Serniak

## List of Publications by Year in Descending Order

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