

# Kyle Serniak

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8841956/publications.pdf>

Version: 2024-02-01

12  
papers

633  
citations

759055

12  
h-index

1199470

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g-index

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13  
docs citations

13  
times ranked

739  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Microwave Measurement of Andreev-Bound-State Dynamics in a Semiconductor-Nanowire Josephson Junction. <i>Physical Review Letters</i> , 2018, 121, 047001.	2.9	119
2	Hot Nonequilibrium Quasiparticles in Transmon Qubits. <i>Physical Review Letters</i> , 2018, 121, 157701.	2.9	114
3	Coherent manipulation of an Andreev spin qubit. <i>Science</i> , 2021, 373, 430-433.	6.0	78
4	Direct Dispersive Monitoring of Charge Parity in Offset-Charge-Sensitive Transmons. <i>Physical Review Applied</i> , 2019, 12, .	1.5	66
5	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.	5.5	44
6	Continuous monitoring of a trapped superconducting spin. <i>Nature Physics</i> , 2020, 16, 1103-1107.	6.5	44
7	Comparison of dielectric loss in titanium nitride and aluminum superconducting resonators. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	38
8	Hexagonal boron nitride as a low-loss dielectric for superconducting quantum circuits and qubits. <i>Nature Materials</i> , 2022, 21, 398-403.	13.3	34
9	Photon-Assisted Charge-Parity Jumps in a Superconducting Qubit. <i>Physical Review Letters</i> , 2019, 123, 107704.	2.9	33
10	Planar Multilayer Circuit Quantum Electrodynamics. <i>Physical Review Applied</i> , 2016, 5, .	1.5	30
11	Driving Forbidden Transitions in the Fluxonium Artificial Atom. <i>Physical Review Applied</i> , 2018, 9, .	1.5	19
12	Free-standing silicon shadow masks for transmon qubit fabrication. <i>AIP Advances</i> , 2020, 10, .	0.6	14