

Alexey K Feofanov

List of Publications by Year in descending order

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22
papers

1,578
citations

567281

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h-index

713466

21
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all docs

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docs citations

22
times ranked

1509
citing authors

#	ARTICLE	IF	CITATIONS
1	Thickness Dependence of the Josephson Ground States of Superconductor-Ferromagnet-Superconductor Junctions. <i>Physical Review Letters</i> , 2006, 96, 197003.	7.8	262
2	Nonreciprocal reconfigurable microwave optomechanical circuit. <i>Nature Communications</i> , 2017, 8, 604.	12.8	231
3	Implementation of superconductor/ferromagnet/ superconductor π -shifters in superconducting digital and quantum circuits. <i>Nature Physics</i> , 2010, 6, 593-597.	16.7	205
4	Strong Coupling of a Quantum Oscillator to a Flux Qubit at Its Symmetry Point. <i>Physical Review Letters</i> , 2010, 105, 060503.	7.8	151
5	Quantum-Limited Directional Amplifiers with Optomechanics. <i>Physical Review Letters</i> , 2018, 120, 023601.	7.8	120
6	Ultralow-power spectroscopy of a rare-earth spin ensemble using a superconducting resonator. <i>Physical Review B</i> , 2011, 84, .	3.2	91
7	A dissipative quantum reservoir for microwave light using a mechanical oscillator. <i>Nature Physics</i> , 2017, 13, 787-793.	16.7	76
8	On-chip microwave-to-optical quantum coherent converter based on a superconducting resonator coupled to an electro-optic microresonator. <i>Physical Review A</i> , 2016, 94, .	2.5	72
9	Static and dynamic properties of $0, \pi$ and 2π Josephson tunnel junctions. <i>Physical Review B</i> , 2008, 77, .	3.2	65
10	Superconductor-Ferromagnet-Superconductor π -junctions. <i>Journal of Low Temperature Physics</i> , 2004, 136, 385-400.	1.4	62
11	Quantum-Limited Amplification and Parametric Instability in the Reversed Dissipation Regime of Cavity Optomechanics. <i>Physical Review Letters</i> , 2014, 113, 023604.	7.8	58
12	Kerr coefficients of plasma resonances in Josephson junction chains. <i>Physical Review B</i> , 2015, 92, .	3.2	53
13	Level attraction in a microwave optomechanical circuit. <i>Physical Review A</i> , 2018, 98, .	2.5	51
14	Tuned Transition from Quantum to Classical for Macroscopic Quantum States. <i>Physical Review Letters</i> , 2011, 106, 170404.	7.8	23
15	V-shaped superconducting artificial atom based on two inductively coupled transmons. <i>Physical Review B</i> , 2015, 92, .	3.2	18
16	Coherent Frequency Conversion in a Superconducting Artificial Atom with Two Internal Degrees of Freedom. <i>Physical Review Letters</i> , 2012, 108, 107001.	7.8	13
17	Superconducting currents through a ferromagnet. Phase inversion in structures with Josephson π -junctions. <i>Physics-Uspekhi</i> , 2004, 47, 732-738.	2.2	12
18	A maser based on dynamical backaction on microwave light. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 2233-2237.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Flux-Dependent Crossover between Quantum and Classical Behavior in a dc SQUID. Physical Review Letters, 2014, 113, 247005.	7.8	4
20	Nonreciprocity in Microwave Optomechanical Circuits. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1983-1987.	4.0	4
21	Unexpectedly allowed transition in two inductively coupled transmons. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	1
22	Nonreciprocal Reconfigurable Microwave Optomechanical Circuit. , 2018, , .		0