

Alexey K Feofanov

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,578
citations

567281

15
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1509
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Quantum-Limited Directional Amplifiers with Optomechanics. <i>Physical Review Letters</i> , 2018, 120, 023601. | 7.8 | 120 |
| 2 | 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 |
| 3 | Nonreciprocal Reconfigurable Microwave Optomechanical Circuit. , 2018, , . | | 0 |
| 4 | Nonreciprocity in Microwave Optomechanical Circuits. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 1983-1987. | 4.0 | 4 |
| 5 | Level attraction in a microwave optomechanical circuit. <i>Physical Review A</i> , 2018, 98, . | 2.5 | 51 |
| 6 | A dissipative quantum reservoir for microwave light using a mechanical oscillator. <i>Nature Physics</i> , 2017, 13, 787-793. | 16.7 | 76 |
| 7 | Nonreciprocal reconfigurable microwave optomechanical circuit. <i>Nature Communications</i> , 2017, 8, 604. | 12.8 | 231 |
| 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 | Unexpectedly allowed transition in two inductively coupled transmons. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, , 1-1. | 1.7 | 1 |
| 10 | V-shaped superconducting artificial atom based on two inductively coupled transmons. <i>Physical Review B</i> , 2015, 92, . | 3.2 | 18 |
| 11 | Kerr coefficients of plasma resonances in Josephson junction chains. <i>Physical Review B</i> , 2015, 92, . | 3.2 | 53 |
| 12 | 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 |
| 13 | Flux-Dependent Crossover between Quantum and Classical Behavior in a dc SQUID. <i>Physical Review Letters</i> , 2014, 113, 247005. | 7.8 | 4 |
| 14 | 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 |
| 15 | Tuned Transition from Quantum to Classical for Macroscopic Quantum States. <i>Physical Review Letters</i> , 2011, 106, 170404. | 7.8 | 23 |
| 16 | Ultralow-power spectroscopy of a rare-earth spin ensemble using a superconducting resonator. <i>Physical Review B</i> , 2011, 84, . | 3.2 | 91 |
| 17 | Implementation of superconductor/ferromagnet/ superconductor π -shifters in superconducting digital and quantum circuits. <i>Nature Physics</i> , 2010, 6, 593-597. | 16.7 | 205 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Static and dynamic properties of 0\text{I}\epsilon$$, and 0\text{I}\epsilon$$ Josephson tunnel junctions. <i>Physical Review B</i> , 2008, 77, ... | 3.2 | 65 |
| 20 | Thickness Dependence of the Josephson Ground States of Superconductor-Ferromagnet-Superconductor Junctions. <i>Physical Review Letters</i> , 2006, 96, 197003. | 7.8 | 262 |
| 21 | Superconducting currents through a ferromagnet. Phase inversion in structures with Josephson $\text{I}\epsilon$ -junctions. <i>Physics-Usppekhi</i> , 2004, 47, 732-738. | 2.2 | 12 |
| 22 | Superconductor-Ferromagnet-Superconductor $\text{I}\epsilon$ -junctions. <i>Journal of Low Temperature Physics</i> , 2004, 136, 385-400. | 1.4 | 62 |