

Xu Han

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9320237/publications.pdf>

Version: 2024-02-01

23
papers

1,030
citations

471509

17
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

1087
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave to optical quantum conversion. , 2022, , .		0
2	Single electrons on solid neon as a solid-state qubit platform. Nature, 2022, 605, 46-50.	27.8	22
3	Quantum Microwave Radiometry with a Superconducting Qubit. Physical Review Letters, 2021, 126, 180501.	7.8	13
4	Cavity electro-optic circuit for microwave-to-optical conversion in the quantum ground state. Physical Review A, 2021, 103, .	2.5	26
5	Microwave-optical quantum frequency conversion. Optica, 2021, 8, 1050.	9.3	81
6	Entanglement of microwave-optical modes in a strongly coupled electro-optomechanical system. Physical Review A, 2020, 101, .	2.5	21
7	Cavity piezo-mechanics for superconducting-nanophotonic quantum interface. Nature Communications, 2020, 11, 3237.	12.8	76
8	Radiative Cooling of a Superconducting Resonator. Physical Review Letters, 2020, 124, 033602.	7.8	32
9	Proposal for Heralded Generation and Detection of Entangled Microwave-Optical-Photon Pairs. Physical Review Letters, 2020, 124, 010511.	7.8	57
10	Waveguide cavity optomagnonics for microwave-to-optics conversion. Optica, 2020, 7, 1291.	9.3	84
11	Broadband on-chip single-photon spectrometer. Nature Communications, 2019, 10, 4104.	12.8	88
12	Phononic integrated circuitry and spin-orbit interaction of phonons. Nature Communications, 2019, 10, 2743.	12.8	67
13	Frequency-tunable high-Q superconducting resonators via wireless control of nonlinear kinetic inductance. Applied Physics Letters, 2019, 114, .	3.3	33
14	Superconducting cavity electro-optics: A platform for coherent photon conversion between superconducting and photonic circuits. Science Advances, 2018, 4, eaar4994.	10.3	148
15	Phase sensitive imaging of 10 GHz vibrations in an AlN microdisk resonator. Review of Scientific Instruments, 2017, 88, 123709.	1.3	21
16	Cavity piezomechanical strong coupling and frequency conversion on an aluminum nitride chip. Physical Review A, 2016, 94, .	2.5	40
17	Multimode Strong Coupling in Superconducting Cavity Piezoelectromechanics. Physical Review Letters, 2016, 117, 123603.	7.8	53
18	Integrated optomechanical single-photon frequency shifter. Nature Photonics, 2016, 10, 766-770.	31.4	94

#	ARTICLE	IF	CITATIONS
19	A 10-GHz film-thickness-mode cavity optomechanical resonator. Applied Physics Letters, 2015, 106, .	3.3	21
20	Triply resonant cavity electro-optomechanics at X-band. , 2014, , .		0
21	Microwave-assisted coherent and nonlinear control in cavity piezo-optomechanical systems. Physical Review A, 2014, 90, .	2.5	32
22	Triply resonant cavity electro-optomechanics at X-band. New Journal of Physics, 2014, 16, 063060.	2.9	16
23	Compact, widely tunable, half-lambda YIG oscillator. , 2012, , .		5