

# 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	Superconducting cavity electro-optics: A platform for coherent photon conversion between superconducting and photonic circuits. <i>Science Advances</i> , 2018, 4, eaar4994.	10.3	148
2	Integrated optomechanical single-photon frequency shifter. <i>Nature Photonics</i> , 2016, 10, 766-770.	31.4	94
3	Broadband on-chip single-photon spectrometer. <i>Nature Communications</i> , 2019, 10, 4104.	12.8	88
4	Waveguide cavity optomagnonics for microwave-to-optics conversion. <i>Optica</i> , 2020, 7, 1291.	9.3	84
5	Microwave-optical quantum frequency conversion. <i>Optica</i> , 2021, 8, 1050.	9.3	81
6	Cavity piezo-mechanics for superconducting-nanophotonic quantum interface. <i>Nature Communications</i> , 2020, 11, 3237.	12.8	76
7	Phononic integrated circuitry and spin-orbit interaction of phonons. <i>Nature Communications</i> , 2019, 10, 2743.	12.8	67
8	Proposal for Heralded Generation and Detection of Entangled Microwave-Optical-Photon Pairs. <i>Physical Review Letters</i> , 2020, 124, 010511.	7.8	57
9	Multimode Strong Coupling in Superconducting Cavity Piezoelectromechanics. <i>Physical Review Letters</i> , 2016, 117, 123603.	7.8	53
10	Cavity piezomechanical strong coupling and frequency conversion on an aluminum nitride chip. <i>Physical Review A</i> , 2016, 94, .	2.5	40
11	Frequency-tunable high- $Q$ superconducting resonators via wireless control of nonlinear kinetic inductance. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	33
12	Microwave-assisted coherent and nonlinear control in cavity piezo-optomechanical systems. <i>Physical Review A</i> , 2014, 90, .	2.5	32
13	Radiative Cooling of a Superconducting Resonator. <i>Physical Review Letters</i> , 2020, 124, 033602.	7.8	32
14	Cavity electro-optic circuit for microwave-to-optical conversion in the quantum ground state. <i>Physical Review A</i> , 2021, 103, .	2.5	26
15	Single electrons on solid neon as a solid-state qubit platform. <i>Nature</i> , 2022, 605, 46-50.	27.8	22
16	A 10-GHz film-thickness-mode cavity optomechanical resonator. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	21
17	Phase sensitive imaging of 10 GHz vibrations in an AlN microdisk resonator. <i>Review of Scientific Instruments</i> , 2017, 88, 123709.	1.3	21
18	Entanglement of microwave-optical modes in a strongly coupled electro-optomechanical system. <i>Physical Review A</i> , 2020, 101, .	2.5	21

#	ARTICLE	IF	CITATIONS
19	Triply resonant cavity electro-optomechanics at X-band. New Journal of Physics, 2014, 16, 063060.	2.9	16
20	Quantum Microwave Radiometry with a Superconducting Qubit. Physical Review Letters, 2021, 126, 180501.	7.8	13
21	Compact, widely tunable, half-lambda YIG oscillator. , 2012, , .		5
22	Triply resonant cavity electro-optomechanics at X-band. , 2014, , .		0
23	Microwave to optical quantum conversion. , 2022, , .		0