

Jasper Chan

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

5,563
citations

567281

15
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

3547
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser cooling of a nanomechanical oscillator into its quantum ground state. Nature, 2011, 478, 89-92.	27.8	1,866
2	Optomechanical crystals. Nature, 2009, 462, 78-82.	27.8	938
3	A picogram- and nanometre-scale photonic-crystal optomechanical cavity. Nature, 2009, 459, 550-555.	27.8	625
4	Squeezed light from a silicon micromechanical resonator. Nature, 2013, 500, 185-189.	27.8	458
5	Coherent optical wavelength conversion via cavity optomechanics. Nature Communications, 2012, 3, 1196.	12.8	380
6	Observation of Quantum Motion of a Nanomechanical Resonator. Physical Review Letters, 2012, 108, 033602.	7.8	334
7	Optimized optomechanical crystal cavity with acoustic radiation shield. Applied Physics Letters, 2012, 101, 081115.	3.3	269
8	Two-Dimensional Phononic-Photonic Band Gap Optomechanical Crystal Cavity. Physical Review Letters, 2014, 112, 153603.	7.8	186
9	Optical and mechanical design of a "zipper" photonic crystal optomechanical cavity. Optics Express, 2009, 17, 3802.	3.4	141
10	Modeling dispersive coupling and losses of localized optical and mechanical modes in optomechanical crystals. Optics Express, 2009, 17, 20078.	3.4	81
11	Laser noise in cavity-optomechanical cooling and thermometry. New Journal of Physics, 2013, 15, 035007.	2.9	76
12	Highly efficient coupling from an optical fiber to a nanoscale silicon optomechanical cavity. Applied Physics Letters, 2013, 103, .	3.3	76
13	Nonlinear Radiation Pressure Dynamics in an Optomechanical Crystal. Physical Review Letters, 2015, 115, 233601.	7.8	60
14	Slot-mode-coupled optomechanical crystals. Optics Express, 2012, 20, 24394.	3.4	45
15	Characterization of radiation pressure and thermal effects in a nanoscale optomechanical cavity. Optics Express, 2009, 17, 15726.	3.4	27
16	Electromagnetically Induced Transparency and Slow Light with Optomechanics. , 2011, , .		1
17	Optical Probing and Actuation of Microwave Frequency Phononic Crystal Resonators without Clamping Losses. , 2010, , .		0
18	Si3N4 nanobeam optomechanical crystals. , 2013, , .		0