Chee Wei Wong

List of Publications by Year
in descending order

38	1,879	430874	454955
papers	citations	18 h-index	30 g-index

39	39	39	3021
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phonon modes and Raman signatures of <mml:math		

#	Article	IF	Citations
19	Chasing the thermodynamical noise limit in whispering-gallery-mode resonators for ultrastable laser frequency stabilization. Nature Communications, 2017, 8, 8.	12.8	224
20	Mesoscopic chaos mediated by Drude electron-hole plasma in silicon optomechanical oscillators. Nature Communications, 2017, 8, 15570.	12.8	47
21	Globally Stable Microresonator Turing Pattern Formation for Coherent High-Power THz Radiation On-Chip. Physical Review X, 2017, 7, .	8.9	42
22	Synchronization in air-slot photonic crystal optomechanical oscillators. Applied Physics Letters, 2017, 110, .	3.3	7
23	Graphene-Enhanced Brillouin Optomechanical Microresonator for Ultrasensitive Gas Detection. Nano Letters, 2017, 17, 4996-5002.	9.1	73
24	A low-frequency chip-scale optomechanical oscillator with 58â€‰kHz mechanical stiffening and more than 100th-order stable harmonics. Scientific Reports, 2017, 7, 4383.	3.3	7
25	Panoramic-reconstruction temporal imaging for seamless measurements of slowly-evolved femtosecond pulse dynamics. Nature Communications, 2017, 8, 61.	12.8	48
26	Observation of dissipative Kerr soliton evolution with panoramic-reconstruction temporal imaging (PARTI). , 2017, , .		0
27	Multispectral optical frequency comb based on microresonator Faraday instability. , 2017, , .		1
28	Sixâ€wave mixing induced by freeâ€carrier plasma in silicon nanowire waveguides. Laser and Photonics Reviews, 2016, 10, 1054-1061.	8.7	6
29	A CMOS-compatible oscillation-mode optomechanical DC accelerometer at 730-ng/Hz1/2 resolution. , 2016, , .		1
30	A broadband chip-scale optical frequency synthesizer at 2.7 Ã— 10 ^{â^'16} relative uncertainty. Science Advances, 2016, 2, e1501489.	10.3	65
31	Nonlocal cancellation of multi-frequency-channel dispersion. Physical Review A, 2015, 91, .	2.5	1
32	Harnessing high-dimensional hyperentanglement through a biphoton frequency comb. Nature Photonics, 2015, 9, 536-542.	31.4	138
33	Photonic and Plasmonic Guided Modes in Grapheneâ€“Silicon Photonic Crystals. ACS Photonics, 2015, 2, 1552-1558.	6.6	23
34	Controlling photons in mesoscopic systems: Precision measurements in frequency combs and optomechanics. , 2013, , .		0
35	Nanomechanical Proximity Perturbation for Switching in Silicon-Based Directional Couplers for High-Density Photonic Integrated Circuits. Journal of Microelectromechanical Systems, 2010, 19, 657-662.	2.5	11
36	Weak Coupling Interactions of Silicon Photonic Crystals with Lead Sulphide Nanocrystals at Room Temperature. , 2007, , .		0

#	Article	IF	Citations
37	Weak coupling interactions of silicon photonic crystals with lead sulphide nanocrystals at room temperature. , 2007, , .		0
38	Silicon photonics. , 0, , .		0