

Chee Wei Wong

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,879
citations

430874

18
h-index

454955

30
g-index

39
all docs

39
docs citations

39
times ranked

3021
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing 10 ¹⁴ K stability and residual drifts in the cross-polarized dual-mode stabilization of single-crystal ultrahigh-Q optical resonators. <i>Light: Science and Applications</i> , 2019, 8, 1.	16.6	413
2	Chasing the thermodynamical noise limit in whispering-gallery-mode resonators for ultrastable laser frequency stabilization. <i>Nature Communications</i> , 2017, 8, 8.	12.8	224
3	Gate-tunable frequency combs in graphene ² nitride microresonators. <i>Nature</i> , 2018, 558, 410-414.	27.8	182
4	Soliton bursts and deterministic dissipative Kerr soliton generation in auxiliary-assisted microcavities. <i>Light: Science and Applications</i> , 2019, 8, 50.	16.6	164
5	Harnessing high-dimensional hyperentanglement through a biphoton frequency comb. <i>Nature Photonics</i> , 2015, 9, 536-542.	31.4	138
6	Broadband gate-tunable terahertz plasmons in graphene heterostructures. <i>Nature Photonics</i> , 2018, 12, 22-28.	31.4	127
7	Graphene-Enhanced Brillouin Optomechanical Microresonator for Ultrasensitive Gas Detection. <i>Nano Letters</i> , 2017, 17, 4996-5002.	9.1	73
8	Biochemical sensing in graphene-enhanced microfiber resonators with individual molecule sensitivity and selectivity. <i>Light: Science and Applications</i> , 2019, 8, 107.	16.6	70
9	A broadband chip-scale optical frequency synthesizer at 2.7 Å ⁻¹ 10 ⁻¹⁶ relative uncertainty. <i>Science Advances</i> , 2016, 2, e1501489.	10.3	65
10	Panoramic-reconstruction temporal imaging for seamless measurements of slowly-evolved femtosecond pulse dynamics. <i>Nature Communications</i> , 2017, 8, 61.	12.8	48
11	Mesoscopic chaos mediated by Drude electron-hole plasma in silicon optomechanical oscillators. <i>Nature Communications</i> , 2017, 8, 15570.	12.8	47
12	Enhanced interlayer neutral excitons and trions in trilayer van der Waals heterostructures. <i>Npj 2D Materials and Applications</i> , 2018, 2, .	7.9	44
13	Globally Stable Microresonator Turing Pattern Formation for Coherent High-Power THz Radiation On-Chip. <i>Physical Review X</i> , 2017, 7, .	8.9	42
14	Nanometric Precision Distance Metrology via Hybrid Spectrally Resolved and Homodyne Interferometry in a Single Soliton Frequency Microcomb. <i>Physical Review Letters</i> , 2021, 126, 023903.	7.8	42
15	A Chip-Scale Oscillation-Mode Optomechanical Inertial Sensor Near the Thermodynamical Limits. <i>Laser and Photonics Reviews</i> , 2020, 14, 1800329.	8.7	31
16	648 Hilbert-space dimensionality in a biphoton frequency comb: entanglement of formation and Schmidt mode decomposition. <i>Npj Quantum Information</i> , 2021, 7, .	6.7	25
17	Real-time transition dynamics and stability of chip-scale dispersion-managed frequency microcombs. <i>Light: Science and Applications</i> , 2020, 9, 52.	16.6	24
18	Photonic and Plasmonic Guided Modes in Graphene ² Silicon Photonic Crystals. <i>ACS Photonics</i> , 2015, 2, 1552-1558.	6.6	23

#	ARTICLE	IF	CITATIONS
19	Metasurface wavefront control for high-performance user-natural augmented reality waveguide glasses. Scientific Reports, 2022, 12, 5832.	3.3	15

20 Phonon modes and Raman signatures of $\langle \text{mml}:\text{math} \rangle$

#	ARTICLE	IF	CITATIONS
37	Controlling photons in mesoscopic systems: Precision measurements in frequency combs and optomechanics. , 2013, , .		0
38	Observation of dissipative Kerr soliton evolution with panoramic-reconstruction temporal imaging (PARTI). , 2017, , .		0