William Loh

List of Publications by Year
in descending order

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26	743	623574	752573
papers	citations	14 h-index	20 g-index

26	26	26	782
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	2022 Roadmap on integrated quantum photonics. JPhys Photonics, 2022, 4, 012501.	2.2	152
2	Dual-microcavity narrow-linewidth Brillouin laser. Optica, 2015, 2, 225.	4.8	96
3	Low-loss integrated photonics for the blue and ultraviolet regime. APL Photonics, 2019, 4, 026101.	3.0	69
4	Unified Theory of Oscillator Phase Noise II: Flicker Noise. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4130-4144.	2.9	61
5	Low-noise RF-amplifier-free slab-coupled optical waveguide coupled optoelectronic oscillators: physics and operation. Optics Express, 2012, 20, 19420.	1.7	56
6	Ultra-narrow linewidth Brillouin laser with nanokelvin temperature self-referencing. Optica, 2019, 6, 152.	4.8	55
7	Packaged, High-Power, Narrow-Linewidth Slab-Coupled Optical Waveguide External Cavity Laser (SCOWECL). IEEE Photonics Technology Letters, 2011, 23, 974-976.	1.3	44
8	Operation of an optical atomic clock with a Brillouin laser subsystem. Nature, 2020, 588, 244-249.	13.7	41
9	Packaged 1.5-mum Quantum-Well SOA With 0.8-W Output Power and 5.5-dB Noise Figure. IEEE Photonics Technology Letters, 2009, 21, 1208-1210.	1.3	25
10	A microrod-resonator Brillouin laser with 240 Hz absolute linewidth. New Journal of Physics, 2016, 18, 045001.	1.2	25
11	Noise and dynamics of stimulated-Brillouin-scattering microresonator lasers. Physical Review A, 2015, 91, .	1.0	23
12	Unified Theory of Oscillator Phase Noise I: White Noise. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2371-2381.	2.9	16
13	High-Power (>300 mW) On-Chip Laser With Passively Aligned Silicon-Nitride Waveguide DBR Cavity. IEEE Photonics Journal, 2020, 12, 1-12.	1.0	16
14	Noise Figure of Watt-Class Ultralow-Confinement Semiconductor Optical Amplifiers. IEEE Journal of Quantum Electronics, 2011, 47, 66-75.	1.0	15
15	Amplifier-free slab-coupled optical waveguide optoelectronic oscillator systems. Optics Express, 2012, 20, 19589.	1.7	15
16	Microresonator Brillouin laser stabilization using a microfabricated rubidium cell. Optics Express, 2016, 24, 14513.	1.7	14
17	A nonlinear optoelectronic filter for electronic signal processing. Scientific Reports, 2015, 4, 3613.	1.6	9
18	Optical unmasking of spectrally overlapping RF signals. Optics Express, 2017, 25, 26581.	1.7	4

#	Article	IF	Citations
19	High-Output Saturation Power Variable Confinement Slab-Coupled Optical Waveguide Amplifier. , 2011, , .		3
20	Integrated Technologies for Portable Optical Clocks. , 2021, , .		2
21	High-Power Slab-Coupled Optical Waveguide Lasers and Amplifiers. Semiconductors and Semimetals, 2012, , 1-47.	0.4	1
22	Impact of laser frequency noise on high-extinction optical modulation. Optics Express, 2020, 28, 39606.	1.7	1
23	A stimulated Brillouin microresonator laser referenced to rubidium. , 2016, , .		0
24	Brillouin laser stabilization to a single ion. , 2021, , .		0
25	High-Power, Low-Noise Slab-Coupled Optical Waveguide (SCOW) Amplifiers and Lasers. , 2011, , .		0
26	Cooling of an Integrated Brillouin Laser below the Thermal Limit. Optics Express, 0, , .	1.7	0