Lin Chang

List of Publications by Year
in descending order

46	3,509	201674	315739
papers	citations	27 h-index	38 g-index

47	47	47	2058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An optical-frequency synthesizer using integrated photonics. Nature, 2018, 557, 81-85.	27.8	550
2	Status and Potential of Lithium Niobate on Insulator (LNOI) for Photonic Integrated Circuits. Laser and Photonics Reviews, 2018, 12, 1700256.	8.7	435
3	Integrated turnkey soliton microcombs. Nature, 2020, 582, 365-369.	27.8	295
4	Hertz-linewidth semiconductor lasers using CMOS-ready ultra-high-Q microresonators. Nature Photonics, 2021, 15, 346-353.	31.4	260
5	Thin film wavelength converters for photonic integrated circuits. Optica, 2016, 3, 531.	9.3	230
6	Integrated optical frequency comb technologies. Nature Photonics, 2022, 16, 95-108.	31.4	215
7	Laser soliton microcombs heterogeneously integrated on silicon. Science, 2021, 373, 99-103.	12.6	173
8	Ultra-efficient frequency comb generation in AlGaAs-on-insulator microresonators. Nature Communications, 2020, 11, 1331.	12.8	151
9	Microcomb-driven silicon photonic systems. Nature, 2022, 605, 457-463.	27.8	128
10	Heterogeneous integration of lithium niobate and silicon nitride waveguides for wafer-scale photonic integrated circuits on silicon. Optics Letters, 2017, 42, 803.	3.3	116
11	Heterogeneously Integrated GaAs Waveguides on Insulator for Efficient Frequency Conversion. Laser and Photonics Reviews, 2018, 12, 1800149.	8.7	73
12	Strong frequency conversion in heterogeneously integrated GaAs resonators. APL Photonics, 2019, 4, 036103.	5.7	63
13	Ultrabright Entangled-Photon-Pair Generation from an<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mrow><mml:mi>Al</mml:mi><mml:mi>Ga</mml:mi><mml:mi>As</mml:mi></mml:mrow></mml:math>-On-I Microring Resonator. PRX Quantum, 2021, 2, .	9.2	61
14	Reaching fiber-laser coherence in integrated photonics. Optics Letters, 2021, 46, 5201.	3.3	61
15	High-performance lasers for fully integrated silicon nitride photonics. Nature Communications, 2021, 12, 6650.	12.8	61
16	Frequency comb generation in the green using silicon nitride microresonators. Laser and Photonics Reviews, 2016, 10, 631-638.	8.7	59
17	High Speed Evanescent Quantumâ€Dot Lasers on Si. Laser and Photonics Reviews, 2021, 15, 2100057.	8.7	57
18	Chip-scale nonlinear photonics for quantum light generation. AVS Quantum Science, 2020, 2, .	4.9	47

#	Article	IF	Citations
19	Dissipative Kerr Solitons in a IIIâ€V Microresonator. Laser and Photonics Reviews, 2020, 14, 2000022.	8.7	45
20	Efficient second harmonic generation in nanophotonic GaAs-on-insulator waveguides. Optics Express, 2020, 28, 9521.	3.4	44
21	Improved second harmonic performance in periodically poled LNOI waveguides through engineering of lateral leakage. Optics Express, 2019, 27, 23919.	3.4	42
22	Ultrahigh-Q AlGaAs-on-insulator microresonators for integrated nonlinear photonics. Optics Express, 2020, 28, 32894.	3.4	42
23	Platicon microcomb generation using laser self-injection locking. Nature Communications, 2022, 13, 1771.	12.8	39
24	Semiconductor optical amplifiers at 2.0â€Âµm wavelength on silicon. Laser and Photonics Reviews, 2017, 11, 1600165.	8.7	37
25	Quasi-Phase-Matched Supercontinuum Generation in Photonic Waveguides. Physical Review Letters, 2018, 120, 053903.	7.8	34
26	CMOS-foundry-based blue and violet photonics. Optica, 2021, 8, 755.	9.3	32
27	Effects of nonlinear loss in high-Q Si ring resonators for narrow-linewidth III-V/Si heterogeneously integrated tunable lasers. Optics Express, 2020, 28, 19926.	3.4	31
28	Probing material absorption and optical nonlinearity of integrated photonic materials. Nature Communications, 2022, 13, .	12.8	27
29	Hybrid InP and SiN integration of an octave-spanning frequency comb. APL Photonics, 2021, 6, .	5.7	20
30	Low loss (Al)GaAs on an insulator waveguide platform. Optics Letters, 2019, 44, 4075.	3.3	16
31	Efficient second harmonic generation in lithium niobate on insulator waveguides and its pitfalls. JPhys Photonics, 2021, 3, 012008.	4.6	14
32	Silicon-integrated nonlinear III-V photonics. Photonics Research, 2022, 10, 535.	7.0	13
33	On-chip polarization rotator for type I second harmonic generation. APL Photonics, 2019, 4, 126105.	5.7	10
34	Second Order Nonlinear Photonic Integrated Platforms for Optical Signal Processing. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-11.	2.9	8
35	Higher order mode supercontinuum generation in tantalum pentoxide (Ta2O5) channel waveguide. Scientific Reports, 2021, 11, 7978.	3.3	5
36	Nonlinear Optics: Heterogeneously Integrated GaAs Waveguides on Insulator for Efficient Frequency Conversion (Laser Photonics Rev. 12(10)/2018). Laser and Photonics Reviews, 2018, 12, 1870044.	8.7	4

#	Article	IF	Citations
37	Stimulated Brillouin Scattering in AlGaAs on insulator waveguides. , 2020, , .		4
38	Integrated photonic high extinction short and long pass filters based on lateral leakage. Optics Express, 2021, 29, 18905-18914.	3.4	2
39	Ultra-efficient frequency comb generation in AlGaAs-on-insulator microresonators. , 2020, , .		2
40	Refined procedure for gain measurement in Fabry-Perot semiconductor lasers. , 2016, , .		0
41	High Efficiency SHG in Heterogenous Integrated GaAs Ring Resonators. , 2018, , .		0
42	Generation of Octave-Spanning Microresonator Solitons with a Self Injection-Locked DFB Laser. , 2019, , .		0
43	Formation Dynamics and Snapshots of Self-injection-locking Dark Solitons. , 2021, , .		0
44	Ultra-narrow linewidth lasers and microcombs based on self-injection locking in integrated photonics (Invited). , 2021, , .		0
45	Hertz-level-linewidth semiconductor laser via injection locking to an ultra-high Q silicon nitride microresonator. , 2021, , .		0
46	Toward fully integrated nonlinear photonics. , 2020, , .		0