

# Lue Wu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5986191/publications.pdf>

Version: 2024-02-01

20  
papers

1,288  
citations

567281

15  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1046  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated turnkey soliton microcombs. Nature, 2020, 582, 365-369.	27.8	295
2	Hertz-linewidth semiconductor lasers using CMOS-ready ultra-high-Q microresonators. Nature Photonics, 2021, 15, 346-353.	31.4	260
3	Strain engineering of the silicon-vacancy center in diamond. Physical Review B, 2018, 97, .	3.2	171
4	Vernier spectrometer using counterpropagating soliton microcombs. Science, 2019, 363, 965-968.	12.6	83
5	Phononic Band Structure Engineering for High- $Q$ Gigahertz Surface Acoustic Wave Resonators on Lithium Niobate. Physical Review Applied, 2019, 12, .	3.8	70
6	Reaching fiber-laser coherence in integrated photonics. Optics Letters, 2021, 46, 5201.	3.3	61
7	Greater than one billion Q factor for on-chip microresonators. Optics Letters, 2020, 45, 5129.	3.3	61
8	High-performance lasers for fully integrated silicon nitride photonics. Nature Communications, 2021, 12, 6650.	12.8	61
9	Architecture for microcomb-based GHz-mid-infrared dual-comb spectroscopy. Nature Communications, 2021, 12, 6573.	12.8	45
10	Dispersive-wave induced noise limits in miniature soliton microwave sources. Nature Communications, 2021, 12, 1442.	12.8	36
11	Quantum diffusion of microcavity solitons. Nature Physics, 2021, 17, 462-466.	16.7	30
12	Probing material absorption and optical nonlinearity of integrated photonic materials. Nature Communications, 2022, 13, .	12.8	27
13	Linewidth enhancement factor in a microcavity Brillouin laser. Optica, 2020, 7, 1150.	9.3	24
14	Efficiency of pulse pumped soliton microcombs. Optica, 2022, 9, 231.	9.3	22
15	Interleaved difference-frequency generation for microcomb spectral densification in the mid-infrared. Optica, 2020, 7, 309.	9.3	18
16	Dirac solitons in optical microresonators. Light: Science and Applications, 2020, 9, 205.	16.6	15
17	Towards milli-Hertz laser frequency noise on a chip. , 2021, , .		3
18	Probing the Material Loss and Optical Nonlinearity of Integrated Photonic Materials. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Hertz-level-linewidth semiconductor laser via injection locking to an ultra-high Q silicon nitride microresonator. , 2021, , .		0
20	Microresonator Spectrometer Using Counter-propagating Solitons. , 2019, , .		0