

# 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	Efficiency of pulse pumped soliton microcombs. <i>Optica</i> , 2022, 9, 231.	9.3	22
2	Probing material absorption and optical nonlinearity of integrated photonic materials. <i>Nature Communications</i> , 2022, 13, .	12.8	27
3	Probing the Material Loss and Optical Nonlinearity of Integrated Photonic Materials. , 2021, , .		1
4	Towards milli-Hertz laser frequency noise on a chip. , 2021, , .		3
5	Quantum diffusion of microcavity solitons. <i>Nature Physics</i> , 2021, 17, 462-466.	16.7	30
6	Hertz-linewidth semiconductor lasers using CMOS-ready ultra-high-Q microresonators. <i>Nature Photonics</i> , 2021, 15, 346-353.	31.4	260
7	Dispersive-wave induced noise limits in miniature soliton microwave sources. <i>Nature Communications</i> , 2021, 12, 1442.	12.8	36
8	Reaching fiber-laser coherence in integrated photonics. <i>Optics Letters</i> , 2021, 46, 5201.	3.3	61
9	Hertz-level-linewidth semiconductor laser via injection locking to an ultra-high Q silicon nitride microresonator. , 2021, , .		0
10	Architecture for microcomb-based GHz-mid-infrared dual-comb spectroscopy. <i>Nature Communications</i> , 2021, 12, 6573.	12.8	45
11	High-performance lasers for fully integrated silicon nitride photonics. <i>Nature Communications</i> , 2021, 12, 6650.	12.8	61
12	Integrated turnkey soliton microcombs. <i>Nature</i> , 2020, 582, 365-369.	27.8	295
13	Dirac solitons in optical microresonators. <i>Light: Science and Applications</i> , 2020, 9, 205.	16.6	15
14	Greater than one billion Q factor for on-chip microresonators. <i>Optics Letters</i> , 2020, 45, 5129.	3.3	61
15	Interleaved difference-frequency generation for microcomb spectral densification in the mid-infrared. <i>Optica</i> , 2020, 7, 309.	9.3	18
16	Linewidth enhancement factor in a microcavity Brillouin laser. <i>Optica</i> , 2020, 7, 1150.	9.3	24
17	Phononic Band Structure Engineering for High- $Q$ Gigahertz Surface Acoustic Wave Resonators on Lithium Niobate. <i>Physical Review Applied</i> , 2019, 12, .	3.8	70
18	Vernier spectrometer using counterpropagating soliton microcombs. <i>Science</i> , 2019, 363, 965-968.	12.6	83

#	ARTICLE	IF	CITATIONS
19	Microresonator Spectrometer Using Counter-propagating Solitons. , 2019, , .		0
20	Strain engineering of the silicon-vacancy center in diamond. Physical Review B, 2018, 97, .	3.2	171