Rui Ning Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

		471477	677123
35	1,715	17	22
papers	citations	h-index	g-index

36	36	36	1325
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Compact, spatial-mode-interaction-free, ultralow-loss, nonlinear photonic integrated circuits. Communications Physics, 2022, 5, .	5.3	36
2	Platicon microcomb generation using laser self-injection locking. Nature Communications, 2022, 13, 1771.	12.8	39
3	Protected generation of dissipative Kerr solitons in supermodes of coupled optical microresonators. Science Advances, 2022, 8, eabm6982.	10.3	16
4	Near ultraviolet photonic integrated lasers based on silicon nitride. APL Photonics, 2022, 7, .	5.7	25
5	Low-noise frequency-agile photonic integrated lasers for coherent ranging. Nature Communications, 2022, 13, .	12.8	39
6	A photonic integrated circuitâ€“based erbium-doped amplifier. Science, 2022, 376, 1309-1313.	12.6	95
7	Emergent nonlinear phenomena in a driven dissipative photonic dimer. Nature Physics, 2021, 17, 604-610.	16.7	57
8	Low-Loss Integrated Nanophotonic Circuits with Layered Semiconductor Materials. Nano Letters, 2021, 21, 2709-2718.	9.1	24
9	High-yield, wafer-scale fabrication of ultralow-loss, dispersion-engineered silicon nitride photonic circuits. Nature Communications, 2021, 12, 2236.	12.8	157
10	Symmetry protection against mode crossings for dissipative Kerr soliton generation in microresonator chains. , 2021, , .		0
11	Optical Gyrator and Microwave-to-Optical Converter using HBAR modes. , 2021, , .		0
12	Continuous-wave electron-light interaction in high-Q whispering gallery microresonators. , 2021, , .		0
13	Low-noise, Frequency-agile, Hybrid Integrated Laser for LiDAR. , 2021, , .		0
14	High-yield, wafer-scale fabrication of ultralow-loss, dispersion-engineered silicon nitride photonic circuits. , 2021, , .		1
15	Laser soliton microcombs heterogeneously integrated on silicon. Science, 2021, 373, 99-103.	12.6	173
16	High-Q photonic chip-based temporal phase plates for electron microscopy. Microscopy and Microanalysis, 2021, 27, 3132-3133.	0.4	0
17	Integrated Magnetic-free Nitride Optical Isolator. , 2021, , .		0
18	Optical Gyrator and Microwave-to-Optical Converter using HBAR modes. , 2021, , .		0

#	Article	IF	Citations
19	Low-noise, Frequency-agile, Hybrid Integrated Lasers for LiDAR. , 2021, , .		4
20	Magnetic-free silicon nitride integrated optical isolator. Nature Photonics, 2021, 15, 828-836.	31.4	67
21	Integrated photonics enables continuous-beam electron phase modulation. Nature, 2021, 600, 653-658.	27.8	74
22	Observation of Stimulated Brillouin Scattering in Silicon Nitride Integrated Waveguides. Physical Review Letters, 2020, 124, 013902.	7.8	67
23	Monolithic piezoelectric control of soliton microcombs. Nature, 2020, 583, 385-390.	27.8	109
24	Monolithic piezoelectric control of soliton microcombs. , 2020, , .		12
25	Integrated turnkey soliton microcombs. Nature, 2020, 582, 365-369.	27.8	295
26	Photonic microwave generation in the X- and K-band using integrated soliton microcombs. Nature Photonics, 2020, 14, 486-491.	31.4	229
27	Wafer-scale fabrication of ultralow-loss silicon nitride nonlinear photonic circuits. , 2020, , .		1
28	Hybrid Si3N4-LiNbO3 integrated platform for electro-optic conversion. , 2020, , .		2
29	Chip-based soliton microcomb module using a hybrid semiconductor laser. Optics Express, 2020, 28, 2714.	3.4	18
30	Broadband quasi-phase-matching in dispersion-engineered all-optically poled silicon nitride waveguides. Photonics Research, 2020, 8, 1475.	7.0	10
31	Dissipative Kerr solitons in a photonic dimer. , 2020, , .		0
32	Photonic Integrated Microwave Oscillator Based on Silicon Nitride Soliton Microcomb. , 2019, , .		0
33	Unconventional Strain Relaxation of Sb₂Te₃ Grown on a GeTe/Sb₂Te₃/GeTe Heterostructure on Si(111). Nanoscience and Nanotechnology Letters, 2017, 9, 1114-1117.	0.4	5
34	Giant Rashbaâ€Type Spin Splitting in Ferroelectric GeTe(111). Advanced Materials, 2016, 28, 560-565.	21.0	155
35	Laser-driven switching dynamics in phase change materials investigated by time-resolved X-ray absorption spectroscopy. Phase Transitions, 2015, 88, 82-89.	1.3	3