

Rui Ning Wang

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,715
citations

535685

17
h-index

759306

22
g-index

36
all docs

36
docs citations

36
times ranked

1528
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Compact, spatial-mode-interaction-free, ultralow-loss, nonlinear photonic integrated circuits. Communications Physics, 2022, 5, . | 2.0 | 36 |
| 2 | Platicon microcomb generation using laser self-injection locking. Nature Communications, 2022, 13, 1771. | 5.8 | 39 |
| 3 | Protected generation of dissipative Kerr solitons in supermodes of coupled optical microresonators. Science Advances, 2022, 8, eabm6982. | 4.7 | 16 |
| 4 | Near ultraviolet photonic integrated lasers based on silicon nitride. APL Photonics, 2022, 7, . | 3.0 | 25 |
| 5 | Low-noise frequency-agile photonic integrated lasers for coherent ranging. Nature Communications, 2022, 13, . | 5.8 | 39 |
| 6 | A photonic integrated circuit-based erbium-doped amplifier. Science, 2022, 376, 1309-1313. | 6.0 | 95 |
| 7 | Emergent nonlinear phenomena in a driven dissipative photonic dimer. Nature Physics, 2021, 17, 604-610. | 6.5 | 57 |
| 8 | Low-Loss Integrated Nanophotonic Circuits with Layered Semiconductor Materials. Nano Letters, 2021, 21, 2709-2718. | 4.5 | 24 |
| 9 | High-yield, wafer-scale fabrication of ultralow-loss, dispersion-engineered silicon nitride photonic circuits. Nature Communications, 2021, 12, 2236. | 5.8 | 157 |
| 10 | Symmetry protection against mode crossings for dissipative Kerr soliton generation in microresonator chains. , 2021, , . | | 0 |
| 11 | Optical Gyator 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. | 6.0 | 173 |
| 16 | High-Q photonic chip-based temporal phase plates for electron microscopy. Microscopy and Microanalysis, 2021, 27, 3132-3133. | 0.2 | 0 |
| 17 | Integrated Magnetic-free Nitride Optical Isolator. , 2021, , . | | 0 |
| 18 | Optical Gyator 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. | 15.6 | 67 |
| 21 | Integrated photonics enables continuous-beam electron phase modulation. Nature, 2021, 600, 653-658. | 13.7 | 74 |
| 22 | Observation of Stimulated Brillouin Scattering in Silicon Nitride Integrated Waveguides. Physical Review Letters, 2020, 124, 013902. | 2.9 | 67 |
| 23 | Monolithic piezoelectric control of soliton microcombs. Nature, 2020, 583, 385-390. | 13.7 | 109 |
| 24 | Monolithic piezoelectric control of soliton microcombs. , 2020, , . | | 12 |
| 25 | Integrated turnkey soliton microcombs. Nature, 2020, 582, 365-369. | 13.7 | 295 |
| 26 | Photonic microwave generation in the X- and K-band using integrated soliton microcombs. Nature Photonics, 2020, 14, 486-491. | 15.6 | 229 |
| 27 | Wafer-scale fabrication of ultralow-loss silicon nitride nonlinear photonic circuits. , 2020, , . | | 1 |
| 28 | Hybrid Si ₃ N ₄ -LiNbO ₃ integrated platform for electro-optic conversion. , 2020, , . | | 2 |
| 29 | Chip-based soliton microcomb module using a hybrid semiconductor laser. Optics Express, 2020, 28, 2714. | 1.7 | 18 |
| 30 | Broadband quasi-phase-matching in dispersion-engineered all-optically poled silicon nitride waveguides. Photonics Research, 2020, 8, 1475. | 3.4 | 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 Sb ₂ Te ₃ Grown on a GeTe/Sb ₂ Te ₃ /GeTe Heterostructure on Si(111). Nanoscience and Nanotechnology Letters, 2017, 9, 1114-1117. | 0.4 | 5 |
| 34 | Giant Rashba-type Spin Splitting in Ferroelectric GeTe(111). Advanced Materials, 2016, 28, 560-565. | 11.1 | 155 |
| 35 | Laser-driven switching dynamics in phase change materials investigated by time-resolved X-ray absorption spectroscopy. Phase Transitions, 2015, 88, 82-89. | 0.6 | 3 |