

Shuang Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

402
citations

759233

12
h-index

752698

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24
all docs

24
docs citations

24
times ranked

433
citing authors

#	ARTICLE	IF	CITATIONS
1	High-speed spatial light modulation based on photon dimension mapping assisted by an integrated mode multiplexer. Applied Physics Letters, 2022, 120, .	3.3	2
2	Fully Reconfigurable Fano Resonator on a Silicon Photonic Chip. IEEE Photonics Journal, 2022, 14, 1-5.	2.0	1
3	Silicon photonic flat-top WDM (de)multiplexer based on cascaded Mach-Zehnder interferometers for the 2 μm wavelength band. Optics Express, 2022, 30, 28232.	3.4	18
4	Design of on-chip polarimetry with Stokes-determined silicon photonic circuits. Optics Express, 2021, 29, 31026.	3.4	2
5	On-chip Subwavelength Tilt Fork Grating for Vortex Beam Generation and Manipulation. , 2021, , .		0
6	Releasing the light field in subwavelength grating slot microring resonators for athermal and sensing applications. Nanoscale, 2020, 12, 15620-15630.	5.6	13
7	Mesh-Structure-Enabled Programmable Multitask Photonic Signal Processor on a Silicon Chip. ACS Photonics, 2020, 7, 2658-2675.	6.6	10
8	On-Chip Multi-Dimensional 1 μm – 4 Selective Switch With Simultaneous Mode-/Polarization-/Wavelength-Division Multiplexing. IEEE Journal of Quantum Electronics, 2020, 56, 1-8.	1.9	11
9	Chip-Scale Reconfigurable Optical Full-Field Manipulation: Enabling a Compact Grooming Photonic Signal Processor. ACS Photonics, 2020, 7, 1235-1245.	6.6	12
10	Concentric microcavities for cylindrical vector beam lasers. Optics Letters, 2020, 45, 2211.	3.3	3
11	Single microcavity with top grating for cylindrical vector beam lasing. , 2020, , .		0
12	Multimode Fano resonances for low-power mode switching. Optics Letters, 2020, 45, 1035.	3.3	8
13	High-Performance Silicon 2 μm – $2 \mu\text{m}$ Thermo-Optic Switch for the 2- μm Wavelength Band. IEEE Photonics Journal, 2019, 11, 1-6.	2.0	11
14	High-Speed Directly Modulated Cylindrical Vector Beam Lasers. ACS Photonics, 2019, 6, 3261-3270.	6.6	17
15	Ultra-compact broadband polarization diversity orbital angular momentum generator with 3.6 μm – 3.6 μm footprint. Science Advances, 2019, 5, eaau9593.	10.3	59
16	Ultra-directional high-efficiency chiral silicon photonic circuits. Optica, 2019, 6, 61.	9.3	21
17	Silicon-based four-mode division multiplexing for chip-scale optical data transmission in the 2 μm – $2 \mu\text{m}$ waveband. Photonics Research, 2019, 7, 1030.	7.0	54
18	Subwavelength grating slot (SWGS) waveguide at 2 μm for chip-scale data transmission. Nanophotonics, 2018, 7, 865-871.	6.0	15

#	ARTICLE	IF	CITATIONS
19	Generating and synthesizing ultrabroadband twisted light using a compact silicon chip. Optics Letters, 2018, 43, 3140.	3.3	25
20	Reconfigurable and tunable compact comb filter and (de)interleaver on silicon platform. Optics Express, 2018, 26, 4358.	3.4	22
21	Experimental demonstration of $2\lambda/4m$ on-chip two-mode division multiplexing using tapered directional coupler-based mode (de)multiplexer. , 2018, , .		3
22	Subwavelength grating slot (SWGS) waveguide on silicon platform. Optics Express, 2017, 25, 18250.	3.4	39
23	Compact tunable electromagnetically induced transparency and Fano resonance on silicon platform. Optics Express, 2017, 25, 25655.	3.4	36
24	Compact tunable photonic comb filter on a silicon platform. Optics Letters, 2017, 42, 2762.	3.3	20