

Shuang Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

402
citations

759233

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752698

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24
all docs

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24
times ranked

433
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-compact broadband polarization diversity orbital angular momentum generator with $3.6 \text{ \AA} - 3.6 \text{ \mu m}$ footprint. Science Advances, 2019, 5, eaau9593.	10.3	59
2	Silicon-based four-mode division multiplexing for chip-scale optical data transmission in the 2 \mu m waveband. Photonics Research, 2019, 7, 1030.	7.0	54
3	Subwavelength grating slot (SWGS) waveguide on silicon platform. Optics Express, 2017, 25, 18250.	3.4	39
4	Compact tunable electromagnetically induced transparency and Fano resonance on silicon platform. Optics Express, 2017, 25, 25655.	3.4	36
5	Generating and synthesizing ultrabroadband twisted light using a compact silicon chip. Optics Letters, 2018, 43, 3140.	3.3	25
6	Reconfigurable and tunable compact comb filter and (de)interleaver on silicon platform. Optics Express, 2018, 26, 4358.	3.4	22
7	Ultra-directional high-efficiency chiral silicon photonic circuits. Optica, 2019, 6, 61.	9.3	21
8	Compact tunable photonic comb filter on a silicon platform. Optics Letters, 2017, 42, 2762.	3.3	20
9	Silicon photonic flat-top WDM (de)multiplexer based on cascaded Mach-Zehnder interferometers for the 2 \mu m wavelength band. Optics Express, 2022, 30, 28232.	3.4	18
10	High-Speed Directly Modulated Cylindrical Vector Beam Lasers. ACS Photonics, 2019, 6, 3261-3270.	6.6	17
11	Subwavelength grating slot (SWGS) waveguide at 2 \mu m for chip-scale data transmission. Nanophotonics, 2018, 7, 865-871.	6.0	15
12	Releasing the light field in subwavelength grating slot microring resonators for athermal and sensing applications. Nanoscale, 2020, 12, 15620-15630.	5.6	13
13	Chip-Scale Reconfigurable Optical Full-Field Manipulation: Enabling a Compact Grooming Photonic Signal Processor. ACS Photonics, 2020, 7, 1235-1245.	6.6	12
14	High-Performance Silicon $2 \text{ \mu m} - 2 \text{ \mu m}$ Thermo-Optic Switch for the 2 \mu m Wavelength Band. IEEE Photonics Journal, 2019, 11, 1-6.	2.0	11
15	On-Chip Multi-Dimensional $1 \text{ \AA} - 4$ Selective Switch With Simultaneous Mode-/Polarization-/Wavelength-Division Multiplexing. IEEE Journal of Quantum Electronics, 2020, 56, 1-8.	1.9	11
16	Mesh-Structure-Enabled Programmable Multitask Photonic Signal Processor on a Silicon Chip. ACS Photonics, 2020, 7, 2658-2675.	6.6	10
17	Multimode Fano resonances for low-power mode switching. Optics Letters, 2020, 45, 1035.	3.3	8
18	Concentric microcavities for cylindrical vector beam lasers. Optics Letters, 2020, 45, 2211.	3.3	3

#	ARTICLE	IF	CITATIONS
19	Experimental demonstration of $2\lambda/4m$ on-chip two-mode division multiplexing using tapered directional coupler-based mode (de)multiplexer. , 2018, , .		3
20	Design of on-chip polarimetry with Stokes-determined silicon photonic circuits. Optics Express, 2021, 29, 31026.	3.4	2
21	High-speed spatial light modulation based on photon dimension mapping assisted by an integrated mode multiplexer. Applied Physics Letters, 2022, 120, .	3.3	2
22	Fully Reconfigurable Fano Resonator on a Silicon Photonic Chip. IEEE Photonics Journal, 2022, 14, 1-5.	2.0	1
23	Single microcavity with top grating for cylindrical vector beam lasing. , 2020, , .		0
24	On-chip Subwavelength Tilt Fork Grating for Vortex Beam Generation and Manipulation. , 2021, , .		0