

Huifu Xiao

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32
papers

286
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g-index

37
ext. papers

406
ext. citations

3.5
avg, IF

3.03
L-index

#	Paper	IF	Citations
32	Tunable Fano resonances based on microring resonator with feedback coupled waveguide. <i>Optics Express</i> , 2016 , 24, 20187-95	3.3	43
31	PDMS-Assisted Microfiber M-Z Interferometer With a Knot Resonator for Temperature Sensing. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 337-340	2.2	21
30	All-optical tunable microfiber knot resonator with graphene-assisted sandwich structure. <i>Optics Express</i> , 2017 , 25, 18451-18461	3.3	20
29	Experimental demonstration of an optical Feynman gate for reversible logic operation using silicon micro-ring resonators. <i>Nanophotonics</i> , 2018 , 7, 333-337	6.3	18
28	On-chip reconfigurable and scalable optical mode multiplexer/demultiplexer based on three-waveguide-coupling structure. <i>Optics Express</i> , 2018 , 26, 22366-22377	3.3	18
27	Ultra-compact dual-polarization silicon mode-order converter. <i>Optics Letters</i> , 2019 , 44, 4179-4182	3	18
26	Experimental demonstration of a reconfigurable electro-optic directed logic circuit using cascaded carrier-injection micro-ring resonators. <i>Scientific Reports</i> , 2017 , 7, 6410	4.9	12
25	Reconfigurable On-Chip Mode Exchange for Mode-Division Multiplexing Optical Networks. <i>Journal of Lightwave Technology</i> , 2019 , 37, 1008-1013	4	12
24	Mode and Polarization-Division Multiplexing Based on Silicon Nitride Loaded Lithium Niobate on Insulator Platform. <i>Laser and Photonics Reviews</i> , 2022 , 16, 2100529	8.3	12
23	Electro-optic directed XOR logic circuits based on parallel-cascaded micro-ring resonators. <i>Optics Express</i> , 2015 , 23, 26342-55	3.3	10
22	Tunable Fano resonance in mutually coupled micro-ring resonators. <i>Applied Physics Letters</i> , 2017 , 111, 091901	3.4	10
21	Optical mode switch based on multimode interference couplers. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 025802	1.7	8
20	Independently tunable double Fano resonances based on waveguide-coupled cavities. <i>Optics Letters</i> , 2019 , 44, 3154-3157	3	8
19	On-chip optical parity checker using silicon photonic integrated circuits. <i>Nanophotonics</i> , 2018 , 7, 1939-1948	4.8	8
18	Reconfigurable Electro-optic Logic Circuits Using Microring Resonator-Based Optical Switch Array. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-8	1.8	7
17	Graphene-assisted all-optical tunable Mach-Zehnder interferometer based on microfiber. <i>Optics Communications</i> , 2018 , 428, 77-83	2	7
16	On-chip switchable and reconfigurable optical mode exchange device using cascaded three-waveguide-coupling switches. <i>Optics Express</i> , 2020 , 28, 9552-9562	3.3	7

15	High-speed electro-optic modulator based on silicon nitride loaded lithium niobate on an insulator platform. <i>Optics Letters</i> , 2021 , 46, 5986-5989	3	6
14	On-chip biochemical sensor using wide Gaussian beams in silicon waveguide-integrated plasmonic crystal. <i>Optics Letters</i> , 2020 , 45, 2283-2286	3	5
13	Experimental realization of a CMOS-compatible optical directed priority encoder using cascaded micro-ring resonators. <i>Nanophotonics</i> , 2018 , 7, 727-733	6.3	5
12	Experimental realization of an optical digital comparator using silicon microring resonators. <i>Nanophotonics</i> , 2018 , 7, 669-675	6.3	5
11	Single-step etched grating couplers for silicon nitride loaded lithium niobate on insulator platform. <i>APL Photonics</i> , 2021 , 6, 086108	5.2	5
10	Simulation and Demonstration of Directed XOR/XNOR Logic Gates Using Two Cascaded Microring Resonators. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-11	1.8	3
9	Demonstration of an optical directed half-subtractor using integrated silicon photonic circuits. <i>Applied Optics</i> , 2018 , 57, 2564-2569	1.7	3
8	Experimental realization of mode-splitting resonance using microring resonator with a feedback coupled waveguide. <i>Applied Physics Express</i> , 2018 , 11, 092201	2.4	3
7	Integrated Subwavelength Gratings on a Lithium Niobate on Insulator Platform for Mode and Polarization Manipulation. <i>Laser and Photonics Reviews</i> , 2200130	8.3	3
6	Demonstration of a Microfiber-Based Add/Drop Filter Using One Tapered Fiber. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-6	1.8	1
5	On-chip scalable mode-selective converter based on asymmetrical micro-racetrack resonators. <i>Nanophotonics</i> , 2020 , 9, 1447-1455	6.3	1
4	Demonstration of various optical directed logic operations by using an integrated photonic circuit. <i>Optics Letters</i> , 2021 , 46, 2457-2460	3	1
3	Integrated non-blocking optical router harnessing wavelength- and mode-selective property for photonic networks-on-chip. <i>Optics Express</i> , 2021 , 29, 1251-1264	3.3	1
2	Recent advances in integrated optical directed logic operations for high performance optical computing: a review. <i>Frontiers of Optoelectronics</i> , 2022 , 15, 1	2.8	1
1	On-Chip Non-Blocking Optical Mode Exchanger for Mode-Division Multiplexing Interconnection Networks. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	