

# Huifu Xiao

## List of Publications by Year in descending order

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37  
papers

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citations

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37  
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37  
docs citations

37  
times ranked

454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Fano resonances based on microring resonator with feedback coupled waveguide. Optics Express, 2016, 24, 20187.	3.4	58
2	Mode and Polarizationâ€”Division Multiplexing Based on Silicon Nitride Loaded Lithium Niobate on Insulator Platform. Laser and Photonics Reviews, 2022, 16, .	8.7	42
3	Experimental demonstration of an optical Feynman gate for reversible logic operation using silicon micro-ring resonators. Nanophotonics, 2018, 7, 333-337.	6.0	35
4	Ultra-compact dual-polarization silicon mode-order converter. Optics Letters, 2019, 44, 4179.	3.3	33
5	High-speed electro-optic modulator based on silicon nitride loaded lithium niobate on an insulator platform. Optics Letters, 2021, 46, 5986.	3.3	33
6	On-chip reconfigurable and scalable optical mode multiplexer/demultiplexer based on three-waveguide-coupling structure. Optics Express, 2018, 26, 22366.	3.4	29
7	PDMS-Assisted Microfiber M-Z Interferometer With a Knot Resonator for Temperature Sensing. IEEE Photonics Technology Letters, 2019, 31, 337-340.	2.5	26
8	All-optical tunable microfiber knot resonator with graphene-assisted sandwich structure. Optics Express, 2017, 25, 18451.	3.4	25
9	Single-step etched grating couplers for silicon nitride loaded lithium niobate on insulator platform. APL Photonics, 2021, 6, 086108.	5.7	24
10	Reconfigurable On-Chip Mode Exchange for Mode-Division Multiplexing Optical Networks. Journal of Lightwave Technology, 2019, 37, 1008-1013.	4.6	22
11	Experimental demonstration of a reconfigurable electro-optic directed logic circuit using cascaded carrier-injection micro-ring resonators. Scientific Reports, 2017, 7, 6410.	3.3	18
12	Optical mode switch based on multimode interference couplers. Journal of Optics (United Kingdom), 2017, 19, 025802.	2.2	16
13	Integrated Subwavelength Gratings on a Lithium Niobate on Insulator Platform for Mode and Polarization Manipulation. Laser and Photonics Reviews, 2022, 16, .	8.7	16
14	Independently tunable double Fano resonances based on waveguide-coupled cavities. Optics Letters, 2019, 44, 3154.	3.3	15
15	Reconfigurable Electro-optic Logic Circuits Using Microring Resonator-Based Optical Switch Array. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	14
16	On-chip switchable and reconfigurable optical mode exchange device using cascaded three-waveguide-coupling switches. Optics Express, 2020, 28, 9552.	3.4	13
17	Electro-optic directed XOR logic circuits based on parallel-cascaded micro-ring resonators. Optics Express, 2015, 23, 26342.	3.4	12
18	Graphene-assisted all-optical tunable Machâ€”Zehnder interferometer based on microfiber. Optics Communications, 2018, 428, 77-83.	2.1	12

#	ARTICLE	IF	CITATIONS
19	Tunable Fano resonance in mutually coupled micro-ring resonators. Applied Physics Letters, 2017, 111, .	3.3	11
20	On-chip optical parity checker using silicon photonic integrated circuits. Nanophotonics, 2018, 7, 1939-1948.	6.0	11
21	Experimental realization of an optical digital comparator using silicon microring resonators. Nanophotonics, 2018, 7, 669-675.	6.0	10
22	Recent advances in integrated optical directed logic operations for high performance optical computing: a review. Frontiers of Optoelectronics, 2022, 15, 1.	3.7	10
23	Experimental realization of a CMOS-compatible optical directed priority encoder using cascaded micro-ring resonators. Nanophotonics, 2018, 7, 727-733.	6.0	8
24	Monolithic Photonic Integrated Circuit Based on Silicon Nitride and Lithium Niobate on Insulator Hybrid Platform. Advanced Photonics Research, 2022, 3, .	3.6	8
25	Simulation and Demonstration of Directed XOR/XNOR Logic Gates Using Two Cascaded Microring Resonators. IEEE Photonics Journal, 2016, 8, 1-11.	2.0	7
26	Demonstration of an optical directed half-subtractor using integrated silicon photonic circuits. Applied Optics, 2018, 57, 2564.	1.8	6
27	On-chip biochemical sensor using wide Gaussian beams in silicon waveguide-integrated plasmonic crystal. Optics Letters, 2020, 45, 2283.	3.3	6
28	Integrated non-blocking optical router harnessing wavelength- and mode-selective property for photonic networks-on-chip. Optics Express, 2021, 29, 1251.	3.4	4
29	Demonstration of various optical directed logic operations by using an integrated photonic circuit. Optics Letters, 2021, 46, 2457.	3.3	4
30	On-Chip Non-Blocking Optical Mode Exchanger for Mode-Division Multiplexing Interconnection Networks. Journal of Lightwave Technology, 2021, 39, 6563-6571.	4.6	4
31	Experimental realization of mode-splitting resonance using microring resonator with a feedback coupled waveguide. Applied Physics Express, 2018, 11, 092201.	2.4	3
32	On-chip scalable mode-selective converter based on asymmetrical micro-racetrack resonators. Nanophotonics, 2020, 9, 1447-1455.	6.0	3
33	Demonstration of a Microfiber-Based Addâ€“Drop Filter Using One Tapered Fiber. IEEE Photonics Journal, 2018, 10, 1-6.	2.0	2
34	Arbitrary access to optical carriers in silicon photonic mode/wavelength hybrid division multiplexing circuits. Optics Letters, 0, , .	3.3	2
35	On-chip Reconfigurable Mode Converter Compatible with WDM Using Parallel Micro-ring Resonators. , 2019, , .		0
36	Reconfigurable two-mode multiplexer based on three-waveguide-coupling structure. , 2019, , .		0

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37	Reconfigurable data exchange for wavelength- and mode-division multiplexing optical networks. , 2019, , .		0