

List of Publications by Year in descending order

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Hui Vu

#	Article	IF	CITATIONS
1	Multi-Line Selective Optical Phased Array With Improved Uniformity of Radiated Beam Patterns. IEEE Photonics Technology Letters, 2022, 34, 133-136.	2.5	1
2	Comparison of Silicon Lattice-Filter-Based O-Band 1×8 (De)Multiplexers With Flat and Gaussian-Like Passbands. IEEE Photonics Journal, 2022, 14, 1-5.	2.0	5
3	High-Speed and Low-Power Silicon Optical Phased Array Based on the Carrier-Depletion Mechanism. IEEE Photonics Technology Letters, 2022, 34, 271-274.	2.5	11
4	Silicon-Based MZI-Embedded Microring Array With Hitless and FSR-Alignment-Free Wavelength Selection. IEEE Photonics Technology Letters, 2022, 34, 436-439.	2.5	1
5	Ultra-compact silicon mode (de)multiplexer based on directional couplers with subwavelength sidewall corrugations. Optics Letters, 2022, 47, 2198.	3.3	9
6	Wavelet convolutional neural network for robust and fast temperature measurements in Brillouin optical time domain reflectometry. Optics Express, 2022, 30, 13942.	3.4	8
7	High linearity silicon DC Kerr modulator enhanced by slow light for 112 Gbit/s PAM4 over 2 km single mode fiber transmission. Optics Express, 2022, 30, 16996.	3.4	9
8	Ultracompact Channel Add-Drop Filter Based on Single Multimode Nanobeam Photonic Crystal Cavity. Journal of Lightwave Technology, 2021, 39, 162-166.	4.6	12
9	Silicon Mode (de)Multiplexer Based on Cascaded Particle-Swarm-Optimized Counter-Tapered Couplers. IEEE Photonics Journal, 2021, 13, 1-10.	2.0	3
10	Thermally enhanced responsivity in an all-silicon optical power monitor based on defect-mediated absorption. Photonics Research, 2021, 9, 2205.	7.0	4
11	Flat-Top, Sharp-Edge Add-Drop Filters Using Complementary-Misalignment-Modulated Grating-Assisted Contradirectional Couplers. Journal of Lightwave Technology, 2021, 39, 5896-5901.	4.6	8
12	Compact and Low-Insertion-Loss 1×N Power Splitter in Silicon Photonics. Journal of Lightwave Technology, 2021, 39, 6253-6259.	4.6	20
13	Polarization-independent fiber-chip grating couplers optimized by the adaptive genetic algorithm. Optics Letters, 2021, 46, 314.	3.3	13
14	High-Power and High-Speed Traveling-Wave Photodetectors with Genetic Algorithm Optimization. , 2021, , .		0
15	An Ultra-Compact 4 × 4 and 8 × 8 Optical Switch Based on Dual-Microring Resonators. IEEE Photonics Technology Letters, 2020, 32, 1365-1368.	2.5	8
16	A Silicon Optical Single Sideband Modulator With Ultra-High Sideband Suppression Ratio. IEEE Photonics Technology Letters, 2020, 32, 963-966.	2.5	9
17	Spectral-Distortionless, Flat-Top, Drop-Filter Based on Complementarily-Misaligned Multimode-Waveguide Bragg Gratings. Journal of Lightwave Technology, 2020, 38, 6600-6604.	4.6	5
18	Hitless Wavelength-Selective Switch Using a Single Microring Resonator Assisted With a Symmetric MZI. IEEE Photonics Technology Letters, 2020, 32, 402-405.	2.5	2

Hui Yu

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19	Switchable Polarization Beam Splitter Based on GST-on-Silicon Waveguides. IEEE Photonics Journal, 2020, 12, 1-10.	2.0	3
20	Improving the Linearity of Silicon Ring Modulators by Manipulating the Photon Dynamics. IEEE Photonics Journal, 2020, 12, 1-10.	2.0	2
21	Silicon-based flexible-grid mode- and wavelength-selective switch utilizing microring resonators and Y-junctions. Journal of Lightwave Technology, 2020, , 1-1.	4.6	3
22	Ultra-compact and low-loss silicon polarization beam splitter using a particle-swarm-optimized coupler. Optics Express, 2020, 28, 30701.	3.4	26
23	High linearity silicon modulator capable of actively compensating input distortion. Optics Letters, 2020, 45, 3785.	3.3	12
24	A high linear silicon Mach-Zehnder modulator by the dual-series architecture. , 2020, , .		0
25	Hitless and gridless reconfigurable optical add drop (de)multiplexer based on looped waveguide sidewall Bragg gratings on silicon. Optics Express, 2020, 28, 14461.	3.4	9
26	Compact and low-loss 1 × 3 polarization-insensitive optical power splitter using cascaded tapered silicon waveguides. Optics Letters, 2020, 45, 5596.	3.3	8
27	Narrow-Band Add-Drop Filter Based on Cladding-Modulated Apodized Multimode Bragg Grating. Journal of Lightwave Technology, 2019, 37, 5542-5547.	4.6	12
28	A Four-Channel DWDM Tunable Add/Drop Demultiplexer Based on Silicon Waveguide Bragg Gratings. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	26
29	Scalable Nonblocking <inline-formula> <tex-math notation="LaTeX">\$4imes4\$ </tex-math> </inline-formula> Silicon Optical Switch Based on Dual-Microring Resonators. IEEE Photonics Technology Letters, 2019, 31, 397-400.	2.5	4
30	Ultracompact add-drop filters based on single nanobeam cavity. , 2019, , .		1
31	Twin-Fano resonator with widely tunable slope for ultra-high-resolution wavelength monitor. Optics Letters, 2019, 44, 4527.	3.3	7
32	Silicon dual-series Mach–Zehnder modulator with high linearity. Optics Letters, 2019, 44, 5655.	3.3	9
33	High-power traveling-wave photodetector based on an aperiodically loaded open-circuit electrode. Optics Letters, 2019, 44, 5582.	3.3	8
34	10 hannel Mode (de)multiplexer with Dual Polarizations. Laser and Photonics Reviews, 2018, 12, 1700109.	8.7	210
35	High-Q antisymmetric multimode nanobeam photonic crystal cavities in silicon waveguides. Optics Express, 2018, 26, 26196.	3.4	13
36	Broadband tunable filter based on the loop of multimode Bragg grating. Optics Express, 2018, 26, 559.	3.4	30

Hui Yu

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37	Narrow-Band Add-Drop Filter Based on Phase-Modulated Grating-Assisted Contra-Directional Couplers. Journal of Lightwave Technology, 2018, 36, 3760-3764.	4.6	26
38	Linearity Comparison of Silicon Carrier-Depletion-Based Single, Dual-Parallel, and Dual-Series Mach–Zehnder Modulators. Journal of Lightwave Technology, 2018, 36, 3318-3331.	4.6	22
39	A Silicon Aperiodically Distributed Traveling-Wave Photodetector With Enhanced RF Output Power. Journal of Lightwave Technology, 2018, 36, 3152-3161.	4.6	11
40	Slope tunable Fano resonances in asymmetric embedded microring resonators. Journal of Optics (United Kingdom), 2017, 19, 025803.	2.2	14
41	Silicon Add-Drop Filter Based on Multimode Bragg Sidewall Gratings and Adiabatic Couplers. Journal of Lightwave Technology, 2017, 35, 1705-1709.	4.6	35
42	Silicon lateral-apodized add–drop filter for on-chip optical interconnection. Applied Optics, 2017, 56, 8425.	1.8	43
43	Broad bandwidth and large fabrication tolerance polarization beam splitter based on multimode anti-symmetric Bragg sidewall gratings. Optics Letters, 2017, 42, 3912.	3.3	34
44	Silicon band-rejection and band-pass filter based on asymmetric Bragg sidewall gratings in a multimode waveguide. Optics Letters, 2016, 41, 2450.	3.3	59
45	High- <i>Q </i> and high-order side-coupled air-mode nanobeam photonic crystal cavities in silicon. IEEE Photonics Technology Letters, 2016, , 1-1.	2.5	7
46	A tunable silicon ring reflector. Journal of Optics (India), 2015, 44, 26-29.	1.7	1
47	Trade-off between optical modulation amplitude and modulation bandwidth of silicon micro-ring modulators. Optics Express, 2014, 22, 15178.	3.4	62
48	Tunable Fano resonances based on two-beam interference in microring resonator. Applied Physics Letters, 2013, 102, .	3.3	63
49	Silicon mode multi/demultiplexer based on multimode grating-assisted couplers. Optics Express, 2013, 21, 17904.	3.4	159
50	FSR-free add–drop filter based on silicon grating-assisted contradirectional couplers. Optics Letters, 2013, 38, 1.	3.3	58
51	Fano resonances in ultracompact waveguide Fabry-Perot resonator side-coupled lossy nanobeam cavities. Applied Physics Letters, 2013, 103, .	3.3	39
52	An Equivalent Circuit Model of the Traveling Wave Electrode for Carrier-Depletion-Based Silicon Optical Modulators. Journal of Lightwave Technology, 2012, 30, 1602-1609.	4.6	140
53	Wavelength-selective 4×4 nonblocking silicon optical router for networks-on-chip. Optics Letters, 2011, 36, 4710.	3.3	53