

Linjie Zhou

List of Publications by Year in descending order

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267
papers

5,254
citations

94433

37
h-index

110387

64
g-index

268
all docs

268
docs citations

268
times ranked

4230
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Management Considering Energy Storage and Demand Response for Smart Energy Hub in Internet of Things. IEEE Access, 2024, , 1-1.	4.2	9
2	Silicon mode-loop Mach-Zehnder modulator with L-shaped PN junction for 0.37ÅVÅ-cm V_I</sub>L high-efficiency modulation. Photonics Research, 2022, 10, 214.	7.0	4
3	Photonic Microwave Frequency Measurement With High Accuracy and Sub-MHz Resolution. Journal of Lightwave Technology, 2022, 40, 2748-2753.	4.6	13
4	Broadband, Low-Crosstalk and Power-Efficient 32Å—32 Optical Switch on a Dual-Layer Si3N4-on-SOI Platform. , 2022, , .		0
5	Hybrid integrated external cavity laser with a 172-nm tuning range. APL Photonics, 2022, 7, .	5.7	20
6	Broadband 1Å—8 Optical Beamforming Network Based on Anti-resonant Microring Delay Lines. Journal of Lightwave Technology, 2022, 40, 6919-6928.	4.6	9
7	Hybrid Integrated Frequency-Modulated Continuous-Wave Laser With Synchronous Tuning. Journal of Lightwave Technology, 2022, 40, 5636-5645.	4.6	9
8	Resonant multilevel optical switching with phase change material GST. Nanophotonics, 2022, 11, 3437-3446.	6.0	16
9	System-level verification of a packaged silicon photonics-based transceiver. , 2022, , .		0
10	Silicon mode-insensitive modulator for TE₀</sub> mode and TE₁</sub> mode. Optics Letters, 2022, 47, 3592.	3.3	0
11	Optical generation of UWB pulses utilizing Fano resonance modulation. Frontiers of Optoelectronics, 2021, 14, 426-437.	3.7	1
12	Modeling a Dual-Parallel Silicon Modulator for Sinc-Shaped Nyquist Pulse Generation. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	2.9	7
13	Broadband continuously tunable microwave photonic delay line based on cascaded silicon microrings. Optics Express, 2021, 29, 3375.	3.4	18
14	Comparison of the phase change process in a GST-loaded silicon waveguide and MMI. Optics Express, 2021, 29, 3503.	3.4	20
15	Optical FMCW Signal Generation Using a Silicon Dual-Parallel Mach-Zehnder Modulator. IEEE Photonics Technology Letters, 2021, 33, 301-304.	2.5	14
16	Integrated multi-beam optical phased array based on a 4â€‰%â€‰Å—â€‰%â€‰4 Butler matrix. Optics Letters, 2021, 46, 1566.		6
17	Thermally Tuned High-Performance III-V/Si₃N₄ External Cavity Laser. IEEE Photonics Journal, 2021, 13, 1-13.	2.0	13
18	On-Chip Integrated Photonic Devices Based on Phase Change Materials. Photonics, 2021, 8, 205.	2.0	21

#	ARTICLE	IF	CITATIONS
19	A Review on Terahertz Technologies Accelerated by Silicon Photonics. <i>Nanomaterials</i> , 2021, 11, 1646.	4.1	34
20	Broadband Silicon Four-Mode (De)Multiplexer Using Subwavelength Grating-Assisted Triple-Waveguide Couplers. <i>Journal of Lightwave Technology</i> , 2021, 39, 5042-5047.	4.6	8
21	Phase change material enabled 2 \times 2 silicon nonvolatile optical switch. <i>Optics Letters</i> , 2021, 46, 4224.	3.3	18
22	Focusing and defocusing switching of an indium selenide-silicon photonic metalens. <i>Optics Letters</i> , 2021, 46, 4088.	3.3	9
23	Integrated High-Repetition-Rate Optical Sampling Chip Exploiting Wavelength and Mode Multiplexing. <i>Journal of Lightwave Technology</i> , 2021, 39, 5548-5557.	4.6	3
24	Resonant-enhanced optical switch based on non-volatile phase change material GST. , 2021, , .		0
25	Ultra-Compact Multi-Mode Converter for Optical Delay Line Application. , 2021, , .		0
26	Hybrid WDM-MDM transmitter with an integrated Si modulator array and a micro-resonator comb source. <i>Optics Express</i> , 2021, 29, 39847.	3.4	14
27	Silicon Integrated Low-Loss 4-Channel 5-Bit Optical True-Time Delay Lines. , 2021, , .		2
28	8 \times 8 Microring Optical Switch on a Dual-layer Si ₃ N ₄ -on-SOI Platform. , 2021, , .		1
29	Incorporating dual-defense mechanism with functionalized graphene oxide and perfluorosulfonic acid for anti-fouling membranes. <i>Separation and Purification Technology</i> , 2020, 234, 116082.	7.9	16
30	Heat-Electricity Coupled Peak Load Shifting for Multi-Energy Industrial Parks: A Stackelberg Game Approach. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 1858-1869.	8.8	39
31	Phase-Coded Microwave Signal Generation Based on a Segmented Silicon Mach-Zehnder Modulator. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-8.	2.9	6
32	Optical Frequency Comb and Nyquist Pulse Generation With Integrated Silicon Modulators. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-8.	2.9	31
33	Repetition-Frequency-Doubled Transform-Limited Optical Pulse Generation Based on Silicon Modulators. <i>Journal of Lightwave Technology</i> , 2020, 38, 6299-6311.	4.6	0
34	Integrated High-Resolution Optical Spectrum Analyzer With Broad Operational Bandwidth. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 1061-1064.	2.5	5
35	Multi-party Energy Management of Energy Hub: A Hybrid Approach with Stackelberg Game and Blockchain. <i>Journal of Modern Power Systems and Clean Energy</i> , 2020, 8, 919-928.	5.4	24
36	Ultra-Wideband Signal Generation Based on a Silicon Segmented Mach-Zehnder Modulator. <i>IEEE Photonics Journal</i> , 2020, 12, 1-15.	2.0	1

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37	A design method for high fabrication tolerance integrated optical mode multiplexer. Science China Information Sciences, 2020, 63, 1.	4.3	8
38	Integrated Optical Delay Line Based on a Loopback Arrayed Waveguide Grating for Radio-frequency Filtering. IEEE Photonics Journal, 2020, 12, 1-11.	2.0	8
39	High-Linearity Fano Resonance Modulator Using a Microring-Assisted Mach-Zehnder Structure. Journal of Lightwave Technology, 2020, 38, 3395-3403.	4.6	19
40	Double-Layer Cross-Coupled Silicon Nitride Multi-Ring Resonator Systems. IEEE Photonics Technology Letters, 2020, 32, 227-230.	2.5	6
41	Microwave Pulse Generation With a Silicon Dual-Parallel Modulator. Journal of Lightwave Technology, 2020, 38, 2134-2143.	4.6	12
42	Corrections to "Optical Frequency Comb and Nyquist Pulse Generation With Integrated Silicon Modulators". IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-1.	2.9	2
43	Silicon integrated microwave photonic beamformer. Optica, 2020, 7, 1162.	9.3	75
44	Automatic calibration of silicon ring-based optical switch powered by machine learning. Optics Express, 2020, 28, 10438.	3.4	13
45	Contra-directional switching enabled by Si-GST grating. Optics Express, 2020, 28, 1574.	3.4	11
46	Miniature Multilevel Optical Memristive Switch Using Phase Change Material. ACS Photonics, 2019, 6, 2205-2212.	6.6	138
47	Design of Ultra-Compact Optical Memristive Switches with GST as the Active Material. Micromachines, 2019, 10, 453.	2.9	18
48	Nonlinearity- and dispersion- less integrated optical time magnifier based on a high-Q SiN microring resonator. Scientific Reports, 2019, 9, 14277.	3.3	17
49	Programmable SCOW Mesh Silicon Photonic Processor for Linear Unitary Operator. Micromachines, 2019, 10, 646.	2.9	3
50	All-Optical Non-volatile Tuning of Nanobeam Resonators Using the GST Phase-Change Material. , 2019, , .		1
51	Silicon Non-Blocking 4 × 4 Optical Switch Chip Integrated With Both Thermal and Electro-Optic Tuners. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	16
52	Ultra-Compact Multi-Level Optical Switching with Non-Volatile GST Phase Change. , 2019, , .		4
53	Assembly of self-cleaning perfluoroalkyl coating on separation membrane surface. Applied Surface Science, 2019, 496, 143674.	6.1	9
54	Field-programmable silicon temporal cloak. Nature Communications, 2019, 10, 2726.	12.8	7

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55	Dual-Layer Cross-Coupled Tunable Resonator System in a Three-Dimensional Si ₃ N ₄ Photonic Integration Platform. Journal of Lightwave Technology, 2019, 37, 3298-3304.	4.6	8
56	Nonvolatile waveguide transmission tuning with electrically-driven ultra-small GST phase-change material. Science Bulletin, 2019, 64, 782-789.	9.0	75
57	Chlorine-resistant polyester thin film composite nanofiltration membranes prepared with β -cyclodextrin. Journal of Membrane Science, 2019, 584, 282-289.	8.2	98
58	Reconfigurable RF notch filter based on an integrated silicon optical true time delay line. Journal Physics D: Applied Physics, 2019, 52, 194001.	2.8	6
59	Enhanced forward stimulated Brillouin scattering in silicon photonic slot waveguide Bragg grating. Journal Physics D: Applied Physics, 2019, 52, 184001.	2.8	2
60	Integrated 5-bit Microwave Photonic Beamformer for Broadband Phased Array Antenna Applications. , 2019, , .		0
61	Numerical investigation of the linearity of graphene-based silicon waveguide modulator. Optics Express, 2019, 27, 9013.	3.4	15
62	Non-volatile silicon photonic devices enabled by phase change material. , 2019, , .		2
63	Reconfigurable Silicon Photonic Processor Based on SCOW Resonant Structures. IEEE Photonics Journal, 2019, 11, 1-12.	2.0	4
64	UWB Pulses Generation with Fano Resonance Modulation. , 2019, , .		2
65	32-Gb/s OOK and 64-Gb/s PAM-4 Modulation Using a Single-Drive Silicon Mach-Zehnder Modulator with 2 V Drive Voltage. IEEE Photonics Journal, 2019, 11, 1-10.	2.0	11
66	High-linearity silicon modulator based on a reconfigurable microring-assisted Mach-Zehnder interferometer. , 2019, , .		1
67	Calibration of a 2 ^Ã 2 Optical Switch Based on the Back-Propagation Artificial Neural Network. , 2019, , .		1
68	Design, optimization, and performance evaluation of GSST clad low-loss non-volatile switches. Applied Optics, 2019, 58, 8687.	1.8	18
69	Aliasing-free optical phased array beam-steering with a plateau envelope. Optics Express, 2019, 27, 3354.	3.4	49
70	Silicon optical filters reconfigured from a 16 \times 16 Benes switch matrix. Optics Express, 2019, 27, 16945.	3.4	10
71	Feasibility study of a Ge ₂ Sb ₂ Te ₅ -clad silicon waveguide as a non-volatile optical on-off switch. OSA Continuum, 2019, 2, 49.	1.8	15
72	High-speed silicon electro-optic modulator based on a single multimode waveguide. , 2019, , .		1

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73	High-Efficiency Silicon Mach-Zehnder Modulator with U-Shaped PN Junctions. , 2019, , .		2
74	All-optical synapses based on silicon microring resonators actuated by the phase change material Ge ₂ Sb ₂ Te ₅ . , 2019, , .		2
75	Dispersionless time-lens with an integrated silicon nitride ring resonator. , 2019, , .		0
76	Ultracompact Si-GST Hybrid Waveguides for Nonvolatile Light Wave Manipulation. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	45
77	Constructing dual-defense mechanisms on membrane surfaces by synergy of PFSA and SiO ₂ nanoparticles for persistent antifouling performance. Applied Surface Science, 2018, 440, 113-124.	6.1	29
78	16 Å– 16 Silicon Optical Switch Based on Dual-Ring-Assisted Mach-Zehnder Interferometers. Journal of Lightwave Technology, 2018, 36, 225-232.	4.6	52
79	2D Heterostructure Membranes with Sunlight-Driven Self-Cleaning Ability for Highly Efficient Oil-Water Separation. Advanced Functional Materials, 2018, 28, 1706545.	14.9	182
80	Photonic Multiple Microwave Frequency Measurement Based on Frequency-to-Time Mapping. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	18
81	Electromagnetically Induced Transparency in a Silicon Self-Coupled Optical Waveguide. Journal of Lightwave Technology, 2018, 36, 2188-2195.	4.6	22
82	High-performance mode-locked and Q-switched fiber lasers based on novel 2D materials of topological insulators, transition metal dichalcogenides and black phosphorus: review and perspective (invited). Optics Communications, 2018, 406, 214-229.	2.1	139
83	Creation of active-passive integrated mechanisms on membrane surfaces for superior antifouling and antibacterial properties. Journal of Membrane Science, 2018, 548, 621-631.	8.2	67
84	High-order transverse-magnetic mode Mach-Zehnder modulator for OOK modulation. , 2018, , .		0
85	Energy Management for Smart Energy Hub Considering Gas Dispatch Factor and Demand Response. , 2018, , .		4
86	Non-volatile optical memory based on a slot nanobeam resonator filled with GST material. , 2018, , .		6
87	Dispersion-engineered Optical Phased Array for Aliasing-free Beam-steering with a Plateau Envelope. , 2018, , .		0
88	Silicon microring resonators tuned with GST phase change material. , 2018, , .		4
89	Reconfigurable High-Resolution Microwave Photonic Filter Based on Dual-Ring-Assisted MZIs on the Si ₃ N ₄ Platform. IEEE Photonics Journal, 2018, 10, 1-12.	2.0	27
90	Silicon Photonics for Radio-Frequency Signal Processing. , 2018, , .		0

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91	Improved performance of polyamide nanofiltration membranes by incorporating reduced glutathione during interfacial polymerization. Korean Journal of Chemical Engineering, 2018, 35, 2487-2495.	2.7	4
92	Aliasing-Free Beam-Steering Over the Entire Field of View Utilizing a Bent Waveguide Array with a Uniform Half-Wavelength Spacing. , 2018, , .		0
93	High-gain erbium silicate waveguide amplifier and a low-threshold, high-efficiency laser. Optics Express, 2018, 26, 16689.	3.4	18
94	Reconfigurable Silicon Photonic Signal Processor Based on the SCOW Resonant Structure. , 2018, , .		1
95	Design of phase change Ge ₂ Sb ₂ Te ₅ based on-off electro-optic switch. , 2018, , .		3
96	Silicon Mach-Zehnder modulator using a highly-efficient L-shape PN junction. , 2018, , .		5
97	All-optical non-volatile tuning of an AMZI-coupled ring resonator with GST phase-change material. Optics Letters, 2018, 43, 5539.	3.3	34
98	Integrated optical delay lines: a review and perspective [Invited]. Chinese Optics Letters, 2018, 16, 101301.	2.9	31
99	Miniature Silicon Nanobeam Resonator Tuned by GST Phase Change Material. , 2018, , .		3
100	A silicon reconfigurable optical processor based on a self-coupled optical waveguide. , 2018, , .		0
101	Programmable universal microwave-photonic filter based on cascaded dual-ring assisted MZIs. , 2018, , .		0
102	Optical Power Monitoring with Ultrahigh Sensitivity in Silicon Waveguides and Ring Resonators. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	5
103	Reconfiguring the 16 Å— 16 silicon optical switch for optical beam steering application. , 2017, , .		2
104	Electro-optical switch using Ge₂Sb₂Te₅ phase-change material in a silicon MZI structure. , 2017, , .		0
105	Silicon 16 Å—16 switch matrix based on dual-ring assisted MZI structures with fast and energy efficient switching. , 2017, , .		0
106	Continuously tunable ultra-thin silicon waveguide optical delay line. Optica, 2017, 4, 507.	9.3	127
107	Synchronous driving scheme for silicon-based optical switches to critically compensate for thermo-optic effect in carrier injection. Applied Optics, 2017, 56, 205.	2.1	2
108	Microwave frequency upconversion employing a coupling-modulated ring resonator. Photonics Research, 2017, 5, 689.	7.0	11

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109	Reducing Crosstalk of Silicon-based Optical Switch with All-optical Multi-wavelength Regenerator. , 2017, , .		0
110	Reconfigurable silicon optical filters using a dual-ring assisted Mach-Zehnder interferometer based 16Å–16 switch. , 2017, , .		1
111	Microwave frequency-doubling based on a coupling-modulated silicon ring resonator. , 2017, , .		0
112	Large-Scale Silicon Photonic Switches Using Electro-Optic MZIs. , 2017, , .		0
113	4 nonblocking optical switch fabric based on cascaded multimode interferometers. Photonics Research, 2016, 4, 21.	7.0	14
114	Flexible nanofiber-coupled hybrid plasmonic Bragg grating. Optics Express, 2016, 24, 9316.	3.4	4
115	Bragg gratings in ultra-thin silicon waveguides and hybrid plasmonic waveguides. , 2016, , .		0
116	Ultrahigh-sensitivity on-chip power monitor using a resistive microheater in a silicon waveguide. , 2016, , .		1
117	Zwitterionic materials for antifouling membrane surface construction. Acta Biomaterialia, 2016, 40, 142-152.	8.3	392
118	Silicon dual-ring resonator-based push-pull modulators. , 2016, , .		1
119	Six-wave mixing induced by free-carrier plasma in silicon nanowire waveguides. Laser and Photonics Reviews, 2016, 10, 1054-1061.	8.7	6
120	Modeling and optimization of a single-drive push-pull silicon Mach-Zehnder modulator. Photonics Research, 2016, 4, 153.	7.0	34
121	Tunable spiral Bragg gratings in 60-nm-thick silicon-on-insulator strip waveguides. Optics Express, 2016, 24, 12831.	3.4	17
122	16 Å– 16 non-blocking silicon optical switch based on electro-optic Mach-Zehnder interferometers. Optics Express, 2016, 24, 9295.	3.4	196
123	All-optical wavelength conversion and signal regeneration of PAM-4 signal using a silicon waveguide. Optics Express, 2016, 24, 7158.	3.4	27
124	Strictly non-blocking 4Å–4 silicon electro-optic switch based on a double layer network architecture. , 2016, , .		3
125	Photonic-assisted microwave signal multiplication and modulation using a silicon Mach-Zehnder modulator. Scientific Reports, 2016, 6, 20215.	3.3	28
126	Silicon active microring resonators for optical switching. , 2016, , .		5

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127	Linearity Characterization of a Dual-Parallel Silicon Mach-Zehnder Modulator. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	20
128	16 silicon Mach-Zehnder interferometer switch actuated with waveguide microheaters. Photonics Research, 2016, 4, 202.	7.0	57
129	Linearity Measurement and Pulse Amplitude Modulation in a Silicon Single-Drive Push-Pull Mach-Zehnder Modulator. Journal of Lightwave Technology, 2016, 34, 3323-3329.	4.6	37
130	Silicon large-scale optical switches using MZIs and dual-ring assisted MZIs. Proceedings of SPIE, 2016, , .	0.8	3
131	Manipulating the multifunctionalities of polydopamine to prepare high-flux anti-biofouling composite nanofiltration membranes. RSC Advances, 2016, 6, 32863-32873.	3.6	23
132	Application of SOI microring coupling modulation in microwave photonic phase shifters. Frontiers of Optoelectronics, 2016, 9, 483-488.	3.7	10
133	All-Optical Three-Input Simultaneous Multicast Quaternary Addition/Subtraction Using Non-degenerate FWM in a Silicon Waveguide and 20 Gbit/s QPSK Signal. , 2016, , .		1
134	Linearity characterization of a dual-parallel Mach-Zehnder modulator. , 2016, , .		7
135	Microwave signal processing using high speed silicon optical modulators. , 2016, , .		2
136	BPSK and PAM Modulation in a Single-drive Push-pull Silicon Michelson Interferometric Modulator. , 2016, , .		0
137	Nanosecond-range Continuously Tunable Silicon Optical Delay Line Using Ultra-thin Silicon Waveguides. , 2016, , .		4
138	Design of an ultra-compact optical modulator based on a silicon-vanadium dioxide hybrid waveguide. , 2016, , .		1
139	All-optical multi-channel wavelength conversion of Nyquist 16 QAM signal using a silicon waveguide. Optics Letters, 2015, 40, 5475.	3.3	11
140	Multi-Scale Analysis of Regional Inequality based on Spatial Field Model: A Case Study of China from 2000 to 2012. ISPRS International Journal of Geo-Information, 2015, 4, 1982-2003.	2.9	12
141	Low-voltage high-speed coupling modulation in silicon racetrack ring resonators. Optics Express, 2015, 23, 28993.	3.4	19
142	FWM Dynamics Under Dual-Pump Thermal Behavior in Silicon Microring Resonator. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	2
143	Integrated Bragg grating filter in ultra-thin silicon-on-insulator strip waveguides. Proceedings of SPIE, 2015, , .	0.8	1
144	4 × 4 Nonblocking Silicon Thermo-Optic Switches Based on Multimode Interferometers. Journal of Lightwave Technology, 2015, 33, 857-864.	4.6	24

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145	Optimized silicon MZI modulators for 50 Gbit/s OOK and 40 Gbit/s BPSK modulation. , 2015, , .		3
146	All-silicon near-infrared phototransistor based on surface-state absorption. , 2015, , .		1
147	4x4 Silicon non-blocking electro-optic switches based on double-ring assisted Mach-Zehnder interferometers. , 2015, , .		0
148	Compact tunable microwave photonic filters based on cascaded microring resonators. , 2015, , .		0
149	Optimization of adiabatic microring resonators with few-mode and high-Q resonances. Applied Optics, 2015, 54, 10207.	2.1	7
150	Broadband 4x4 Nonblocking Silicon Electrooptic Switches Based on Mach-Zehnder Interferometers. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	32
151	Microdisk resonator assisted all-optical switching with improved speed using a reverse-biased p-n diode. Optics Communications, 2015, 343, 51-55.	2.1	0
152	Efficient silicon polarization rotator based on mode-hybridization in a double-stair waveguide. Optics Express, 2015, 23, 3960.	3.4	40
153	Silicon high-speed binary phase-shift keying modulator with a single-drive push-pull high-speed traveling wave electrode. Photonics Research, 2015, 3, 58.	7.0	25
154	60-nm-thick basic photonic components and Bragg gratings on the silicon-on-insulator platform. Optics Express, 2015, 23, 20784.	3.4	38
155	4x4 Silicon Optical Switches Based on Double-Ring-Assisted Mach-Zehnder Interferometers. IEEE Photonics Technology Letters, 2015, 27, 2457-2460.	2.5	47
156	Optical modulation in ring resonators with a single-drive push-pull MZI coupler. , 2015, , .		0
157	Silicon-based tunable optical delay lines and switches for next generation optical telecommunications. Proceedings of SPIE, 2015, , .	0.8	0
158	Wavelength-selective switching using double-ring resonators coupled by a three-waveguide directional coupler. Optics Express, 2015, 23, 13488.	3.4	12
159	Hybrid plasmonic waveguide made of a nanofiber attached to a metal film. Optics Express, 2015, 23, 16984.	3.4	7
160	Optimized Silicon QPSK Modulator With 64-Gb/s Modulation Speed. IEEE Photonics Journal, 2015, 7, 1-6.	2.0	7
161	28 Gb/s BPSK Modulation in a Coupling-tuned Silicon Microring Resonator. , 2015, , .		0
162	4x4 strictly non-blocking optical switch fabric based on cascaded multimode interferometers. , 2015, , .		1

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163	Silicon thermo-optic variable optical attenuators based on Mach-Zehnder interference structures. Optics Communications, 2015, 341, 69-73.	2.1	14
164	Silicon Waveguide based Two-Input Simultaneous Quaternary Hybrid Doubling/Subtraction (2A-B, 2B-A) Using Degenerate FWM and QPSK. , 2015, , .		2
165	Linearity Measurement of a Silicon Single-Drive Push-Pull Mach-Zehnder Modulator. , 2015, , .		5
166	16-Non-Blocking Silicon Thermo-Optic Switch with a Benes Architecture. , 2015, , .		0
167	Cross-phase Modulation (XPM)-induced All Optical Switching in a Coupling-tuned Silicon Ring Resonator. , 2015, , .		1
168	64 Gb/s silicon QPSK modulator with single-drive push-pull traveling wave electrodes. , 2015, , .		0
169	Low-power 2-2 silicon electro-optic switches based on double-ring assisted Mach-Zehnder interferometers. Optics Letters, 2014, 39, 1633.	3.3	54
170	Analysis of a Silicon Reconfigurable Feed-Forward Optical Delay Line. IEEE Photonics Journal, 2014, 6, 1-11.	2.0	7
171	Broadband 4x4 non-blocking optical switch fabric based on Mach-Zehnder interferometers. , 2014, , .		1
172	Design and Analysis of a Miniature Intensity Modulator Based on a Silicon-Polymer-Metal Hybrid Plasmonic Waveguide. IEEE Photonics Journal, 2014, 6, 1-10.	2.0	24
173	Continuously tunable reflective-type optical delay lines using microring resonators. Optics Express, 2014, 22, 817.	3.4	59
174	CMOS Compatible Reconfigurable Silicon Photonic Lattice Filters Using Cascaded Unit Cells for RF-Photonic Processing. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 359-368.	2.9	29
175	Enhanced near-infrared photodetection with avalanche gain in silicon microdisk resonators integrated with p-n diodes. Optics Letters, 2014, 39, 4525.	3.3	9
176	Seven-bit reconfigurable optical true time delay line based on silicon integration: erratum. Optics Express, 2014, 22, 25516.	3.4	1
177	Fractional-order photonic differentiator using an on-chip microring resonator. Optics Letters, 2014, 39, 6355.	3.3	36
178	Self-coupled optical waveguide (SCOW) resonators for optical signal processing. , 2014, , .		1
179	Selective excitation of microring resonances using a pulley-coupling structure. Applied Optics, 2014, 53, 878.	1.8	7
180	Photoconductive effect on p-i-p micro-heaters integrated in silicon microring resonators. Optics Express, 2014, 22, 2141.	3.4	14

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181	Channel-spacing tunable silicon comb filter using two linearly chirped Bragg gratings. Optics Express, 2014, 22, 19513.	3.4	10
182	Tunable photonic differentiator and integrator with a silicon microring resonator. , 2014, , .		2
183	Seven-bit reconfigurable optical true time delay line based on silicon integration. Optics Express, 2014, 22, 22707.	3.4	95
184	All-Silicon Waveguide Avalanche Photodetectors With Ultrahigh Gain-Bandwidth Product and Low Breakdown Voltage. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 226-231.	2.9	4
185	All-optical wavelength converter using a microdisk resonator integrated with p-n junctions. Science Bulletin, 2014, 59, 2709-2716.	1.7	3
186	On-Chip Optical Power Monitor Using Periodically Interleaved P-N Junctions Integrated on a Silicon Waveguide. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 56-63.	2.9	22
187	Enhanced Nonlinear Thermo-optic Effect in Silicon Microring Resonators with p-i-p Microheaters for Nonreciprocal Transmission. , 2014, , .		0
188	All-optical differential equation solver with constant-coefficient tunable based on a single microring resonator. Scientific Reports, 2014, 4, 5581.	3.3	41
189	Nested Configuration of Silicon Microring Resonator With Multiple Coupling Regimes. IEEE Photonics Technology Letters, 2013, 25, 580-583.	2.5	37
190	Self-coupled optical waveguide (SCOW)-based reconfigurable second-order optical filter. , 2013, , .		1
191	Photocurrent generation in a silicon waveguide integrated with periodically interleaved p-n junctions. , 2013, , .		0
192	Selective excitation of microring resonances using a pulley-coupling structure. , 2013, , .		1
193	Investigation of Coupling Tuning in Self-Coupled Optical Waveguide Resonators. IEEE Photonics Technology Letters, 2013, 25, 936-939.	2.5	10
194	Design of an Electro-Optic Modulator Based on a Silicon-Plasmonic Hybrid Phase Shifter. Journal of Lightwave Technology, 2013, 31, 1170-1177.	4.6	46
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