Jianyi Yang

List of Publications by Citations

171 papers	2,656 citations	26 h-index	45 g-index
198 ext. papers	3,284 ext. citations	3 avg, IF	4.87 L-index

#	Paper	IF	Citations
171	Contacts between Two- and Three-Dimensional Materials: Ohmic, Schottky, and p-n Heterojunctions. *ACS Nano*, **2016**, 10, 4895-919	16.7	257
170	A self-powered high-performance graphene/silicon ultraviolet photodetector with ultra-shallow junction: breaking the limit of silicon?. *Npj 2D Materials and Applications*, **2017**, 1,	8.8	144
169	Silicon mode multi/demultiplexer based on multimode grating-assisted couplers. *Optics Express*, **2013**, 21, 17904-11	3.3	133
168	Characteristics of electro-refractive modulating based on Graphene-Oxide-Silicon waveguide. *Optics Express*, **2012**, 20, 22398-405	3.3	112
167	Mode multi/demultiplexer based on cascaded asymmetric Y-junctions. *Optics Express*, **2013**, 21, 25113-9	3.3	89
166	High-extinction-ratio silicon polarization beam splitter with tolerance to waveguide width and coupling length variations. *Optics Express*, **2016**, 24, 6586-93	3.3	84
165	A Broadband Fluorographene Photodetector. *Advanced Materials*, **2017**, 29, 1700463	24	72
164	Silicon three-mode (de)multiplexer based on cascaded asymmetric Y junctions. *Optics Letters*, **2016**, 41, 2851-4	3	72
163	A Generic Optical Router Design for Photonic Network-on-Chips. *Journal of Lightwave Technology*, **2012**, 30, 368-376	4	60
162	Optical switch based on multimode interference coupler. *IEEE Photonics Technology Letters*, **2006**, 18, 421-423	2.2	55
161	Polyimide-waveguide-based thermal optical switch using total-internal-reflection effect. *Applied Physics Letters*, **2002**, 81, 2947-2949	3.4	49
160	Tunable Fano resonances based on two-beam interference in microring resonator. *Applied Physics Letters*, **2013**, 102, 011112	3.4	45
159	Thermally Tunable Filters Based on Third-Order Microring Resonators for WDM Applications. *IEEE Photonics Technology Letters*, **2012**, 24, 524-526	2.2	44
158	Wavelength-selective 4 □4 nonblocking silicon optical router for networks-on-chip. *Optics Letters*, **2011**, 36, 4710-2	3	44
157	FSR-free add-drop filter based on silicon grating-assisted contradirectional couplers. *Optics Letters*, **2013**, 38, 1-3	3	43
156	Low-chirp high-extinction-ratio modulator based on graphene-silicon waveguide. *Optics Letters*, **2013**, 38, 2512-5	3	43
155	Trade-off between optical modulation amplitude and modulation bandwidth of silicon micro-ring modulators. *Optics Express*, **2014**, 22, 15178-89	3.3	42

154	Silicon band-rejection and band-pass filter based on asymmetric Bragg sidewall gratings in a multimode waveguide. *Optics Letters*, **2016**, 41, 2450-3	3	39
153	Influence of loss on linearity of microring-assisted Mach-Zehnder modulator. *Optics Express*, **2004**, 12, 4178-88	3.3	38
152	Compact polarization splitter based on silicon grating-assisted couplers. *Optics Letters*, **2015**, 40, 1885-7	3	35
151	Ultracompact optical modulator based on graphene-silica metamaterial. *Optics Letters*, **2014**, 39, 1909-12	3	34
150	Bandwidth and wavelength tunable optical passband filter based on silicon multiple microring resonators. *Optics Letters*, **2016**, 41, 4807-4810	3	33
149	Asymmetric Fano resonance in eye-like microring system. *Applied Physics Letters*, **2012**, 101, 021110	3.4	29
148	Fano resonances in ultracompact waveguide Fabry-Perot resonator side-coupled lossy nanobeam cavities. *Applied Physics Letters*, **2013**, 103, 091104	3.4	29
147	Fano-resonance-based Mach-Zehnder optical switch employing dual-bus coupled ring resonator as two-beam interferometer. *Optics Express*, **2009**, 17, 7708-16	3.3	28
146	Fano-resonance-based ultra-high-resolution ratio-metric wavelength monitor on silicon. *Optics Letters*, **2016**, 41, 544-7	3	27
145	Performance influence of carrier absorption to the Mach-Zehnder-interference based silicon optical switches. *Optics Express*, **2009**, 17, 7043-51	3.3	26
144	Four-Port Silicon Multi-Wavelength Optical Router for Photonic Networks-on-Chip. *IEEE Photonics Technology Letters*, **2013**, 25, 2281-2284	2.2	25
143	Compact variable optical attenuator based on multimode interference coupler. *IEEE Photonics Technology Letters*, **2005**, 17, 2361-2363	2.2	25
142	Silicon lateral-apodized add-drop filter for on-chip optical interconnection. *Applied Optics*, **2017**, 56, 8425-8429	1.7	24
141	Broad bandwidth and large fabrication tolerance polarization beam splitter based on multimode anti-symmetric Bragg sidewall gratings. *Optics Letters*, **2017**, 42, 3912-3915	3	23
140	Proposal for a 2$,times,$2 Optical Switch Based on Graphene-Silicon-Waveguide Microring. *IEEE Photonics Technology Letters*, **2014**, 26, 235-238	2.2	23
139	Broadband Graphene/Glass Hybrid Waveguide Polarizer. *IEEE Photonics Technology Letters*, **2015**, 27, 927-930	2.2	22
138	Chirp Characteristics of Silicon Mach-Zehnder Modulator Under Small-Signal Modulation. *Journal of Lightwave Technology*, **2011**, 29, 1011-1017	4	22
137	Experimental demonstration of a broadband two-mode multi/demultiplexer based on asymmetric Y-junctions. *Optics and Laser Technology*, **2018**, 100, 7-11	4.2	21

136	Broadband tunable filter based on the loop of multimode Bragg grating. *Optics Express*, **2018**, 26, 559-566	3.3	21
135	On a Scalable, Non-Blocking Optical Router for Photonic Networks-on-Chip Designs **2011**,		20
134	Two-dimensional wavelength demultiplexing employing multilevel arrayed waveguides. *Optics Express*, **2004**, 12, 1084-9	3.3	20
133	Graphene-Based Floating-Gate Nonvolatile Optical Switch. *IEEE Photonics Technology Letters*, **2016**, 28, 284-287	2.2	19
132	Silicon Add-Drop Filter Based on Multimode Bragg Sidewall Gratings and Adiabatic Couplers. *Journal of Lightwave Technology*, **2017**, 35, 1705-1709	4	18
131	Ultracompact plasmonic switch based on graphene-silica metamaterial. *Applied Physics Letters*, **2014**, 104, 211104	3.4	18
130	Analysis of Electrooptic Modulator With 1-D Slotted Photonic Crystal Nanobeam Cavity. *IEEE Photonics Technology Letters*, **2011**, 23, 992-994	2.2	18
129	Ultrasmall-V high-Q photonic crystal nanobeam microcavities based on slot and hollow-core waveguides. *Optics Letters*, **2011**, 36, 1314-6	3	18
128	Silicon-on-insulator-based optical demultiplexer employing turning-mirror-integrated arrayed-waveguide grating. *IEEE Photonics Technology Letters*, **2005**, 17, 378-380	2.2	18
127	Electro-optical logic gates based on graphene□silicon waveguides. *Optics Communications*, **2016**, 372, 85-90	2	18
126	Narrow-Band Add-Drop Filter Based on Phase-Modulated Grating-Assisted Contra-Directional Couplers. *Journal of Lightwave Technology*, **2018**, 36, 3760-3764	4	16
125	. *IEEE Photonics Technology Letters*, **2014**, 26, 2043-2046	2.2	16
124	Linearity Comparison of Silicon Carrier-Depletion-Based Single, Dual-Parallel, and Dual-Series Mach□ehnder Modulators. *Journal of Lightwave Technology*, **2018**, 36, 3318-3331	4	15
123	Etched-Diffraction-Grating-Based Planar Waveguide Demultiplexer on Silicon-on-Insulator. *Optical and Quantum Electronics*, **2004**, 36, 559-566	2.4	15
122	An all-optical modulation method in sub-micron scale. *Scientific Reports*, **2015**, 5, 9206	4.9	14
121	Coupled Mode Theory Under The Parity-Time Symmetry Frame. *Journal of Lightwave Technology*, **2013**, 31, 2477-2481	4	14
120	Microring-based ratio-metric wavelength monitor on silicon. *Optics Letters*, **2014**, 39, 3298-300	3	13
119	Athermal silicon arrayed waveguide grating with polymer-filled slot structure. *Optics Communications*, **2009**, 282, 2841-2844	2	12

118	Highly integrated 3□ silicon thermo-optical switch using a single combined phase shifter for optical interconnects. *Optics Letters*, **2012**, 37, 2307-9	3	12
117	2□ Thermo-optical switch utilizing total internal reflection. *Applied Physics Letters*, **2006**, 88, 011106	3.4	12
116	Characteristics of optical bandpass filters employing series-cascaded double-ring resonators. *Optics Communications*, **2003**, 228, 91-98	2	12
115	Slope tunable Fano resonances in asymmetric embedded microring resonators. *Journal of Optics (United Kingdom)*, **2017**, 19, 025803	1.7	11
114	Low crosstalk 1/spl times/2 thermooptic digital optical switch with integrated S-bend attenuator. *IEEE Photonics Technology Letters*, **2006**, 18, 610-612	2.2	11
113	A Four-Channel DWDM Tunable Add/Drop Demultiplexer Based on Silicon Waveguide Bragg Gratings. *IEEE Photonics Journal*, **2019**, 11, 1-8	1.8	10
112	Slab-Modulated Sidewall Bragg Gratings in Silicon-on-Insulator Ridge Waveguides. *IEEE Photonics Technology Letters*, **2010**,	2.2	10
111	Asymmetric multimode interference isolator based on nonreciprocal phase shift. *Optics Communications*, **2009**, 282, 862-866	2	10
110	A 2 □2 nonblocking Mach-Zehnder-based silicon switch matrix. *Optics Express*, **2012**, 20, 12593-8	3.3	10
109	Hybrid plasmonic waveguide crossing based on the multimode interference effect. *Optics Communications*, **2015**, 335, 86-89	2	9
108	Graphene-based nonvolatile terahertz switch with asymmetric electrodes. *Scientific Reports*, **2018**, 8, 1562	4.9	9
107	Dual Mach-Zehnder Based Integrated X-Type Ratiometric Wavelength Monitor on Glass. *IEEE Photonics Technology Letters*, **2014**, 26, 433-436	2.2	9
106	High-Q antisymmetric multimode nanobeam photonic crystal cavities in silicon waveguides. *Optics Express*, **2018**, 26, 26196-26204	3.3	9
105	Tunable microring based on-chip interrogator for wavelength-modulated optical sensors. *Optics Communications*, **2015**, 340, 116-120	2	8
104	Particle swarm optimized polarization beam splitter using metasurface-assisted silicon nitride Y-junction for mid-infrared wavelengths. *Optics Communications*, **2019**, 451, 186-191	2	8
103	Ultracompact Electrooptic Silicon Modulator With Horizontal Photonic Crystal Slotted Slab. *IEEE Photonics Technology Letters*, **2010**, 22, 724-726	2.2	8
102	Enhancement of nonreciprocal phase shift by using nanoscale air gap. *Optics Letters*, **2010**, 35, 1335-7	3	8
101	Electro-optic polymer assisted optical switch based on silicon slot structure. *Optics Communications* , **2009**, 282, 2506-2510	2	8

100	Polymer-based electrooptical circular-polarization modulator. *IEEE Photonics Technology Letters*, **2004**, 16, 96-98	2.2	8
99	Bandwidth-tunable optical passband filter based on graphene□silicon waveguide. *Optics Communications*, **2018**, 426, 206-211	2	8
98	Scalable Bandwidth-Tunable Micro-Ring Filter Based on Multi-Channel-Spectrum Combination. *IEEE Photonics Technology Letters*, **2018**, 30, 1044-1047	2.2	7
97	Transmission characteristics of a plasmonic Bragg reflector based on a metal-embedded slot structure. *Journal of Optics (United Kingdom)*, **2013**, 15, 105005	1.7	7
96	Research of high speed optical switch based on compound semiconductor. *Science Bulletin*, **2009**, 54, 3679-3684		7
95	Wavelength-Selective Optical Waveguide Isolator Based on Nonreciprocal Ring-Coupled Mach□ehnder Interferometer. *Journal of Lightwave Technology*, **2008**, 26, 3166-3172	4	7
94	Optical circular-polarization modulator employing tilt-poled electrooptic polymers. *Journal of Lightwave Technology*, **2004**, 22, 1930-1934	4	7
93	Ultra-compact and low-loss silicon polarization beam splitter using a particle-swarm-optimized counter-tapered coupler. *Optics Express*, **2020**, 28, 30701-30709	3.3	7
92	On-chip microwave signal generation based on a silicon microring modulator. *Optics Letters*, **2015**, 40, 3360-3	3	6
91	Silicon Add-Drop Filter Based on Multimode Grating Assisted Couplers. *IEEE Photonics Journal*, **2016**, 8, 1-8	1.8	6
90	A Silicon Aperiodically Distributed Traveling-Wave Photodetector With Enhanced RF Output Power. *Journal of Lightwave Technology*, **2018**, 36, 3152-3161	4	6
89	Silicon photonic network-on-chip and enabling components. *Science China Technological Sciences*, **2013**, 56, 543-553	3.5	6
88	On Reducing Insertion Loss in Wavelength-Routed Optical Network-on-Chip Architecture. *Journal of Optical Communications and Networking*, **2014**, 6, 879	4.1	6
87	An improved surface-plasmonic nanobeam cavity for higher Q and smaller V. *Science Bulletin*, **2012**, 57, 3371-3374		6
86	CMOS-Compatible 1 $times$ 3 Silicon Electrooptic Switch With Low Crosstalk. *IEEE Photonics Technology Letters*, **2011**, 23, 751-753	2.2	6
85	High-power traveling-wave photodetector based on an aperiodically loaded open-circuit electrode. *Optics Letters*, **2019**, 44, 5582-5585	3	6
84	Non-volatile polarization-insensitive 1□ silicon optical switch using phase-change materials. *Optics Communications*, **2021**, 479, 126407	2	6
83	Ultracompact Channel Add-Drop Filter Based on Single Multimode Nanobeam Photonic Crystal Cavity. *Journal of Lightwave Technology*, **2021**, 39, 162-166	4	6

82	Emotion Recognition Based on Skin Potential Signals with a Portable Wireless Device. *Sensors*, **2021**, 21,	3.8	6
81	Circuit-switched on-chip photonic interconnection network **2012**,		5
80	Mach□Zehnder-Based Four-Port Switching Module on SOI. *IEEE Photonics Technology Letters*, **2012**, 24, 1313-1315	2.2	5
79	Analysis of thermal spreading resistance in high power LED package and its design optimization **2011**,		5
78	Text-conditioned Transformer for automatic pronunciation error detection. *Speech Communication*, **2021**, 130, 55-63	2.8	5
77	Analysis and Design of Refractive Index Biosensors Based on Single Silicon Nanobeam Cavity. *IEEE Photonics Journal*, **2016**, 8, 1-10	1.8	5
76	Flexible-Grid Wavelength-Selective Switch Based on Silicon Microring Resonators With Interferometric Couplers. *Journal of Lightwave Technology*, **2018**, 36, 3344-3353	4	5
75	Scalable Nonblocking $4times4$ Silicon Optical Switch Based on Dual-Microring Resonators. *IEEE Photonics Technology Letters*, **2019**, 31, 397-400	2.2	4
74	High- Q and High-Order Side-Coupled Air-Mode Nanobeam Photonic Crystal Cavities in Silicon. *IEEE Photonics Technology Letters*, **2016**, 1-1	2.2	4
73	Electro-optical logic application of multimode interference coupler by multivalued controlling. *Applied Optics*, **2011**, 50, 2299-304	0.2	4
72	On-chip wavelength-routed photonic networks with comb switches **2012**,		4
71	Fabrication of compact turning mirrors in silicon-on-insulator materials. *Applied Optics*, **2005**, 44, 2409-15	1.7	4
70	Beam expansion in thermo-optic-effect-induced total internal reflection and its applications in optical switches. *Applied Optics*, **2005**, 44, 4846-53	1.7	4
69	High linearity silicon modulator capable of actively compensating input distortion. *Optics Letters*, **2020**, 45, 3785-3788	3	4
68	Twin-Fano resonator with widely tunable slope for ultra-high-resolution wavelength monitor. *Optics Letters*, **2019**, 44, 4527-4530	3	4
67	Silicon dual-series Mach-Zehnder modulator with high linearity. *Optics Letters*, **2019**, 44, 5655-5658	3	4
66	An Ultra-Compact 4 □4 and 8 □8 Optical Switch Based on Dual-Microring Resonators. *IEEE Photonics Technology Letters*, **2020**, 32, 1365-1368	2.2	4
65	Integrated High-Performance Two-Stage Ratiometric Wavelength Monitors On Silicon. *IEEE Photonics Technology Letters*, **2017**, 1-1	2.2	3

64	An integrated high-performance ratio-metric wavelength measurement device on glass. *Journal of Optics (United Kingdom)*, **2015**, 17, 105802	1.7	3
63	Silicon reflectors for external cavity lasers based on ring resonators. *Optics Communications*, **2017**, 383, 453-459	2	3
62	Design of a Flexible-Grid 1 □2 Wavelength-Selective Switch Using Silicon Microring Resonators. *IEEE Photonics Journal*, **2017**, 9, 1-10	1.8	3
61	LioeSim: A Network Simulator for Hybrid Opto-Electronic Networks-on-Chip Analysis. *Journal of Lightwave Technology*, **2014**, 32, 4301-4310	4	3
60	High-speed compact silicon digital optical switch with slot structure. *Optik*, **2011**, 122, 955-959	2.5	3
59	Performance evaluation of photonic UWB generation based on silicon MZM. *Optics Express*, **2012**, 20, 7398-403	3.3	3
58	Turning-Mirror-Integrated Arrayed-Waveguide Gratings on Silicon-on-Insulator. *IEEE Journal of Selected Topics in Quantum Electronics*, **2006**, 12, 1329-1334	3.8	3
57	Analytical model for the grazing reflection of a narrow beam. *Optics Letters*, **2006**, 31, 2747-9	3	3
56	A Silicon Optical Single Sideband Modulator With Ultra-High Sideband Suppression Ratio. *IEEE Photonics Technology Letters*, **2020**, 1-1	2.2	3
55	Design of an ultra-broadband silicon mode (de)multiplexer. *Optics Communications*, **2016**, 363, 7-12	2	3
54	Compact and Low-Insertion-Loss 1□ Power Splitter in Silicon Photonics. *Journal of Lightwave Technology*, **2021**, 39, 6253-6259	4	3
53	Microring based ratio-metric wavelength monitor on silicon **2014**,		2
52	A silicon quasi-DOS based on reverse-biased pn diode. *Microwave and Optical Technology Letters*, **2012**, 54, 635-638	1.2	2
51	Wavelength-routed optical networks-on-chip built with comb switches **2013**,		2
50	Integrated optical isolators based on two-mode interference couplers. *Journal of Optics (United Kingdom)*, **2010**, 12, 015403	1.7	2
49	Analysis of an MMI-Based Six-Port Circulator by Using 3-D Magneto-Optical Beam Propagation Method. *Journal of Lightwave Technology*, **2009**, 27, 4660-4666	4	2
48	A Proposal of Zero Leakage-Loss Passive Optical Combiner Based on Nonreciprocal Waveguide. *IEEE Photonics Technology Letters*, **2009**, 21, 1493-1495	2.2	2
47	Fabrication of silicon photonic devices by utilizing industrial CMOS technology **2009**,		2

46	Generalized reflection and transmission of beams. *Physical Review A*, **2008**, 78,	2.6	2
45	Hitless and gridless reconfigurable optical add drop (de)multiplexer based on looped waveguide sidewall Bragg gratings on silicon. *Optics Express*, **2020**, 28, 14461-14475	3.3	2
44	Compact and low-loss 1 □ polarization-insensitive optical power splitter using cascaded tapered silicon waveguides. *Optics Letters*, **2020**, 45, 5596-5599	3	2
43	Bandwidth tunable filter with large bandwidth and wavelength tuning range **2018**,		2
42	Experimental demonstration of a flexible-grid 1□ wavelength-selective switch based on silicon microring resonators. *Optics Letters*, **2019**, 44, 403-406	3	2
41	Deep quantised portrait matting. *IET Computer Vision*, **2020**, 14, 339-349	1.4	2
40	Silicon two-mode multi/demultiplexer based on tapered couplers. *Optik*, **2019**, 176, 518-522	2.5	2
39	Photodetectors: A Broadband Fluorographene Photodetector (Adv. Mater. 22/2017). *Advanced Materials*, **2017**, 29,	24	1
38	Plasmonic Feynman Gate Based on Suspended Graphene Nano-Ribbon Waveguides at THz Wavelengths. *IEEE Photonics Journal*, **2019**, 11, 1-9	1.8	1
37	Hitless Wavelength-Selective Switch Using a Single Microring Resonator Assisted With a Symmetric MZI. *IEEE Photonics Technology Letters*, **2020**, 32, 402-405	2.2	1
36	Ultra-sensitive silicon photonic current sensor using a ring resonator. *Journal of Optics (United Kingdom)*, **2016**, 18, 085802	1.7	1
35	Three-port mode-(de)interleaver in silicon waveguide. *Optics and Laser Technology*, **2016**, 80, 196-203	4.2	1
34	Wavelength Tunable Cavity Mirror for Silicon Micro-Ring-Based Hybrid Integrated Lasers. *IEEE Photonics Technology Letters*, **2016**, 28, 935-938	2.2	1
33	. *IEEE Photonics Technology Letters*, **2016**, 28, 1399-1402	2.2	1
32	A General Characterizing Method for Ring Resonators Based on Low Coherence Measurement. *Journal of Lightwave Technology*, **2012**, 30, 846-852	4	1
31	Influence of photocarriers to silicon optical modulator based on reverse-biased pn diode at 1550 nm wavelength. *Optik*, **2013**, 124, 2076-2078	2.5	1
30	A novel electrode structure with a reverse-biased p?n diode for high speed polymer-infiltrated slot modulators. *Optik*, **2013**, 124, 3436-3438	2.5	1
29	Ultrahigh-Resolution Ratio-Metric Wavelength Monitors Based on Tunable Microrings on Silicon. *IEEE Photonics Technology Letters*, **2015**, 27, 592-595	2.2	1

28	A tunable silicon ring reflector. *Journal of Optics (India)*, **2015**, 44, 26-29	1.3	1
27	Four-port broadband optical router based on 1 □ optical switches **2012**,		1
26	Mach-Zehnder based 2□ electro-optical switches on silicon-on-insulator with low crosstalk **2012**,		1
25	A CMOS compatible 1□ optical switch based on silicon on insulator **2010**,		1
24	Study of silicon photonics based on standard CMOS foundry **2010**,		1
23	LiNbO3 Based 1□ Y-Branch Digital Optical Switch Integrated with S-Bend Variable Optical Attenuator **2010**,		1
22	Mode quasi-degeneracy and beam reflection in the total-internal-reflection optical waveguide switch. *Journal of the Optical Society of America B: Optical Physics*, **2008**, 25, 1568	1.7	1
21	Analytical model of spatial four-waveguide coupler. *Journal of Modern Optics*, **2007**, 54, 2769-2777	1.1	1
20	The design of a 2□ polymer TIR switch based on thermal field analysis employing thermo-optic effect **2005**,		1
19	Multifunctional optical waveguide chips **2002**,		1
18	Comparison of Silicon Lattice-filter-based O-band 1□ (De)Multiplexers with Flat and Gaussian-like Passbands. *IEEE Photonics Journal*, **2022**, 1-1	1.8	1
17	Integrated high responsivity photodetectors based on graphene/glass hybrid waveguide. *Optics Letters*, **2016**, 41, 4214-7	3	1
16	Direct-binary-search-optimized compact silicon-based polarization beam splitter using a pixelated directional coupler. *Optics Communications*, **2021**, 484, 126670	2	1
15	Optical reversible logic gates based on graphene-silicon slot waveguides. *Optik*, **2021**, 228, 166182	2.5	1
14	Enhancing bulk defect-mediated absorption in silicon waveguides by doping compensation technique. *Scientific Reports*, **2018**, 8, 9929	4.9	1
13	Accent Recognition with Hybrid Phonetic Features. *Sensors*, **2021**, 21,	3.8	1
12	Electric-Field-Resonance-Based Wireless Triboelectric Nanogenerators and Sensors.. *ACS Applied Materials & Interfaces*, **2021**,	9.5	1
11	Broadband and compact two-mode switch using a graphene□ilicon Y-junction. *Optics Communications*, **2019**, 451, 240-245	2	0

List of Publications

10	Multi-Line Selective Optical Phased Array With Improved Uniformity of Radiated Beam Patterns. *IEEE Photonics Technology Letters*, **2022**, 34, 133-136	2.2	0
9	High-Speed and Low-Power Silicon Optical Phased Array Based on The Carrier-Depletion Mechanism. *IEEE Photonics Technology Letters*, **2022**, 1-1	2.2	0
8	Silicon-Based Flexible-Grid Mode- and Wavelength-Selective Switch Utilizing Microring Resonators and Y-Junctions. *Journal of Lightwave Technology*, **2020**, 1-1	4	0
7	Silicon Mode (de)Multiplexer Based on Cascaded Particle-Swarm-Optimized Counter-Tapered Couplers. *IEEE Photonics Journal*, **2021**, 13, 1-10	1.8	0
6	Silicon-Based MZI-Embedded Microring Array with Hitless and FSR-Alignment-Free Wavelength Selection. *IEEE Photonics Technology Letters*, **2022**, 1-1	2.2	0
5	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	3.3	0
4	Improving the Linearity of Silicon Ring Modulators by Manipulating the Photon Dynamics. *IEEE Photonics Journal*, **2020**, 12, 1-10	1.8	
3	Modelling and analysis of phase modulator based on silicon microring for long-haul transmission. *IET Optoelectronics*, **2014**, 8, 161-166	1.5	
2	Enhancement of nonreciprocal phase shift by using nanoscale air gap: erratum. *Optics Letters*, **2013**, 38, 3354	3	
1	Performance influence of FCA and nonlinear FCD to the Mach-Zehnder-Interference based silicon DPSK generation. *Optics Express*, **2012**, 20, 23527-34	3.3	