

Joris Van Campenhout

List of Publications by Year in descending order

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151
papers

6,955
citations

61984

43
h-index

62596

80
g-index

151
all docs

151
docs citations

151
times ranked

5115
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically pumped InP-based microdisk lasers integrated with a nanophotonic silicon-on-insulator waveguide circuit. Optics Express, 2007, 15, 6744.	3.4	475
2	Low-Loss SOI Photonic Wires and Ring Resonators Fabricated With Deep UV Lithography. IEEE Photonics Technology Letters, 2004, 16, 1328-1330.	2.5	370
3	Room-temperature InP distributed feedback laser array directly grown on silicon. Nature Photonics, 2015, 9, 837-842.	31.4	270
4	Graphene-silicon phase modulators with gigahertz bandwidth. Nature Photonics, 2018, 12, 40-44.	31.4	261
5	Low-power, 2 μ m silicon electro-optic switch with 110-nm bandwidth for broadband reconfigurable optical networks. Optics Express, 2009, 17, 24020.	3.4	249
6	Basic structures for photonic integrated circuits in Silicon-on-insulator. Optics Express, 2004, 12, 1583.	3.4	247
7	Silicon and silicon nitride photonic circuits for spectroscopic sensing on-a-chip [Invited]. Photonics Research, 2015, 3, B47.	7.0	173
8	GeSn/Ge heterostructure short-wave infrared photodetectors on silicon. Optics Express, 2012, 20, 27297.	3.4	169
9	Non-Blocking 4x4 Electro-Optic Silicon Switch for On-Chip Photonic Networks. Optics Express, 2011, 19, 47.	3.4	160
10	Active Components for 50 Gb/s NRZ-OOK Optical Interconnects in a Silicon Photonics Platform. Journal of Lightwave Technology, 2017, 35, 631-638.	4.6	157
11	Performance tradeoff between lateral and interdigitated doping patterns for high speed carrier-depletion based silicon modulators. Optics Express, 2012, 20, 12926.	3.4	154
12	Broadband 10 Gb/s operation of graphene electroabsorption modulator on silicon. Laser and Photonics Reviews, 2016, 10, 307-316.	8.7	144
13	Novel Light Source Integration Approaches for Silicon Photonics. Laser and Photonics Reviews, 2017, 11, 1700063.	8.7	143
14	~1 V bias 67 GHz bandwidth Si-contacted germanium waveguide p-i-n photodetector for optical links at 56 Gbps and beyond. Optics Express, 2016, 24, 4622.	3.4	141
15	Germanium-on-Silicon Mid-Infrared Arrayed Waveguide Grating Multiplexers. IEEE Photonics Technology Letters, 2013, 25, 1805-1808.	2.5	127
16	56 Gb/s Germanium Waveguide Electro-Absorption Modulator. Journal of Lightwave Technology, 2016, 34, 419-424.	4.6	127
17	Demonstration of Silicon-on-insulator mid-infrared spectrometers operating at 38 μ m. Optics Express, 2013, 21, 11659.	3.4	111
18	III-V-on-Si photonic integrated circuits realized using micro-transfer-printing. APL Photonics, 2019, 4, .	5.7	108

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19	Silicon-Based Photonic Integration Beyond the Telecommunication Wavelength Range. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 394-404.	2.9	106
20	A Compact SOI-Integrated Multiwavelength Laser Source Based on Cascaded InP Microdisks. IEEE Photonics Technology Letters, 2008, 20, 1345-1347.	2.5	103
21	III-V-on-Silicon Photonic Devices for Optical Communication and Sensing. Photonics, 2015, 2, 969-1004.	2.0	103
22	Silicon photonics integrated circuits: a manufacturing platform for high density, low power optical I/Os. Optics Express, 2015, 23, 9369.	3.4	101
23	Silicon-organic hybrid (SOH) IQ modulator using the linear electro-optic effect for transmitting 16QAM at 112 Gbit/s. Optics Express, 2013, 21, 13219.	3.4	100
24	Ge-on-Si and Ge-on-SOI thermo-optic phase shifters for the mid-infrared. Optics Express, 2014, 22, 28479.	3.4	100
25	Optical pumped InGaAs/GaAs nano-ridge laser epitaxially grown on a standard 300-mm Si wafer. Optica, 2017, 4, 1468.	9.3	89
26	III/V nano ridge structures for optical applications on patterned 300- μ m silicon substrate. Applied Physics Letters, 2016, 109, .	3.3	79
27	Nonlinear absorption and refraction in crystalline silicon in the mid-infrared. Laser and Photonics Reviews, 2013, 7, 1054-1064.	8.7	77
28	High-Responsivity Low-Voltage 28-Gb/s Ge p-i-n Photodetector With Silicon Contacts. Journal of Lightwave Technology, 2015, 33, 820-824.	4.6	75
29	Integrated NiSi waveguide heaters for CMOS-compatible silicon thermo-optic devices. Optics Letters, 2010, 35, 1013.	3.3	69
30	Heterogeneous integration of electrically driven microdisk based laser sources for optical interconnects and photonic ICs. Optics Express, 2006, 14, 3864.	3.4	67
31	Design of a digital, ultra-broadband electro-optic switch for reconfigurable optical networks-on-chip. Optics Express, 2009, 17, 23793.	3.4	67
32	Germanium-on-silicon planar concave grating wavelength (de)multiplexers in the mid-infrared. Applied Physics Letters, 2013, 103, .	3.3	66
33	Silicon-based heterogeneous photonic integrated circuits for the mid-infrared. Optical Materials Express, 2013, 3, 1523.	3.0	65
34	Dark current analysis in high-speed germanium p-i-n waveguide photodetectors. Journal of Applied Physics, 2016, 119, .	2.5	65
35	Trade-off between optical modulation amplitude and modulation bandwidth of silicon micro-ring modulators. Optics Express, 2014, 22, 15178.	3.4	62
36	Polytypic InP Nanolaser Monolithically Integrated on (001) Silicon. Nano Letters, 2013, 13, 5063-5069.	9.1	59

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37	Room Temperature O-band DFB Laser Array Directly Grown on (001) Silicon. Nano Letters, 2017, 17, 559-564.	9.1	59
38	High sensitivity 10Gb/s Si photonic receiver based on a low-voltage waveguide-coupled Ge avalanche photodetector. Optics Express, 2015, 23, 815.	3.4	56
39	Fabrication-Tolerant Four-Channel Wavelength-Division-Multiplexing Filter Based on Collectively Tuned Si Microrings. Journal of Lightwave Technology, 2013, 31, 2785-2792.	4.6	54
40	Real-Time 100 Gb/s NRZ and EDB Transmission With a GeSi Electroabsorption Modulator for Short-Reach Optical Interconnects. Journal of Lightwave Technology, 2018, 36, 90-96.	4.6	50
41	Widely tunable 23- μm III-V-on-silicon Vernier lasers for broadband spectroscopic sensing. Photonics Research, 2018, 6, 858.	7.0	47
42	InP/InGaAs Photodetector on SOI Photonic Circuitry. IEEE Photonics Journal, 2010, 2, 299-305.	2.0	45
43	Carrier-injection-based electro-optic modulator on silicon-on-insulator with a heterogeneously integrated III-V microdisk cavity. Optics Letters, 2008, 33, 2518.	3.3	44
44	Silicon-Organic Hybrid MZI Modulator Generating OOK, BPSK and 8-ASK Signals for Up to 84 Gbit/s. IEEE Photonics Journal, 2013, 5, 6600907-6600907.	2.0	41
45	Design and Optimization of Electrically Injected InP-Based Microdisk Lasers Integrated on and Coupled to a SOI Waveguide Circuit. Journal of Lightwave Technology, 2008, 26, 52-63.	4.6	40
46	Using carrier-depletion silicon modulators for optical power monitoring. Optics Letters, 2012, 37, 4681.	3.3	37
47	Imec iSiPP25G silicon photonics: a robust CMOS-based photonics technology platform. Proceedings of SPIE, 2015, , .	0.8	37
48	Design of a 50-Gb/s Hybrid Integrated Si-Photonic Optical Link in 16-nm FinFET. IEEE Journal of Solid-State Circuits, 2020, 55, 1086-1095.	5.4	37
49	III-V/Silicon-on-Insulator Nanophotonic Cavities for Optical Network-on-Chip. Journal of Nanoscience and Nanotechnology, 2010, 10, 1461-1472.	0.9	36
50	Thermal Characterization of Electrically Injected Thin-Film InGaAsP Microdisk Lasers on Si. Journal of Lightwave Technology, 2007, 25, 1543-1548.	4.6	35
51	Low-Power 56Gb/s NRZ Microring Modulator Driver in 28nm FDSOI CMOS. IEEE Photonics Technology Letters, 2018, 30, 467-470.	2.5	35
52	Low-Footprint Optical Interconnect on an SOI Chip Through Heterogeneous Integration of InP-Based Microdisk Lasers and Microdetectors. IEEE Photonics Technology Letters, 2009, 21, 522-524.	2.5	33
53	Narrow-linewidth short-pulse III-V-on-silicon mode-locked lasers based on a linear and ring cavity geometry. Optics Express, 2015, 23, 3221.	3.4	33
54	Silicon photonic 8- μm cyclic Arrayed Waveguide Grating Router for O-band on-chip communication. Optics Express, 2018, 26, 6276.	3.4	33

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55	90-Gb/s NRZ Optical Receiver in Silicon Using a Fully Differential Transimpedance Amplifier. Journal of Lightwave Technology, 2019, 37, 1964-1973.	4.6	33
56	Complex effective index in graphene-silicon waveguides. Optics Express, 2016, 24, 29984.	3.4	32
57	DAC-Less and DSP-Free 112 Gb/s PAM-4 Transmitter Using Two Parallel Electroabsorption Modulators. Journal of Lightwave Technology, 2018, 36, 1281-1286.	4.6	32
58	27 GHz Silicon-Contacted Waveguide-Coupled Ge/Si Avalanche Photodiode. Journal of Lightwave Technology, 2020, 38, 3044-3050.	4.6	30
59	Wavelength Locking of a Si Ring Modulator Using an Integrated Drop-Port OMA Monitoring Circuit. IEEE Journal of Solid-State Circuits, 2016, 51, 2328-2344.	5.4	29
60	13 μ m InAs/GaAs quantum dot DFB laser integrated on a Si waveguide circuit by means of adhesive die-to-wafer bonding. Optics Express, 2018, 26, 18302.	3.4	29
61	Systematic Simulation-Based Predictive Synthesis of Integrated Optical Interconnect. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2007, 15, 927-940.	3.1	27
62	Integration of etched facet, electrically pumped, C-band Fabry-Pérot lasers on a silicon photonic integrated circuit by transfer printing. Optics Express, 2018, 26, 21443.	3.4	27
63	Generation of 36 μ m radiation and telecom-band amplification by four-wave mixing in a silicon waveguide with normal group velocity dispersion. Optics Letters, 2014, 39, 1349.	3.3	26
64	Novel adiabatic coupler for III-V nano-ridge laser grown on a Si photonics platform. Optics Express, 2019, 27, 37781.	3.4	26
65	Nano-Ridge Engineering of GaSb for the Integration of InAs/GaSb Heterostructures on 300 mm (001) Si. Crystals, 2020, 10, 330.	2.2	25
66	4-channel 200 Gb/s WDM O-band silicon photonic transceiver sub-assembly. Optics Express, 2020, 28, 5706.	3.4	25
67	Two-Dimensional, 37-Channel, High-Bandwidth, Ultra-Dense Silicon Photonics Optical Interface. Journal of Lightwave Technology, 2015, 33, 653-656.	4.6	23
68	Demonstration of a Digital CMOS Driver Codesigned and Integrated With a Broadband Silicon Photonic Switch. Journal of Lightwave Technology, 2011, 29, 1136-1142.	4.6	22
69	Chirp management in silicon-graphene electro absorption modulators. Optics Express, 2017, 25, 19371.	3.4	22
70	Fabrication and characterization of CMOS-compatible integrated tungsten heaters for thermo-optic tuning in silicon photonics devices. Optical Materials Express, 2014, 4, 1383.	3.0	21
71	4:1 Silicon Photonic Serializer for Data Center Interconnects Demonstrating 104 Gbaud OOK and PAM4 Transmission. Journal of Lightwave Technology, 2019, 37, 1498-1503.	4.6	21
72	Highly Uniform 28Gb/s Si Photonics Platform for High-Density, Low-Power WDM Optical Interconnects. , 2014, , .		20

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73	Silicon dual-ring modulator driven by differential signal. <i>Optics Letters</i> , 2014, 39, 6379.	3.3	20
74	70 Gb/s Low-Power DC-Coupled NRZ Differential Electro-Absorption Modulator Driver in 55 nm SiGe BiCMOS. <i>Journal of Lightwave Technology</i> , 2019, 37, 1504-1514.	4.6	20
75	Low Dark Current and High Responsivity 1020nm InGaAs/GaAs Nano-Ridge Waveguide Photodetector Monolithically Integrated on a 300-mm Si Wafer. <i>Journal of Lightwave Technology</i> , 2021, 39, 5263-5269.	4.6	20
76	On-chip optical interconnects versus electrical interconnects for high-performance applications. <i>Microelectronic Engineering</i> , 2013, 112, 84-91.	2.4	19
77	III-V-on-silicon anti-colliding pulse-type mode-locked laser. <i>Optics Letters</i> , 2015, 40, 3057.	3.3	19
78	Enhanced active P doping by using high order Ge precursors leading to intense photoluminescence. <i>Thin Solid Films</i> , 2016, 602, 56-59.	1.8	19
79	Optical Interconnect Solution With Plasmonic Modulator and Ge Photodetector Array. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1760-1763.	2.5	19
80	Orientation-dependent electro-optical response of BaTiO ₃ on SrTiO ₃ -buffered Si(001) studied via spectroscopic ellipsometry. <i>Optical Materials Express</i> , 2017, 7, 2030.	3.0	19
81	Silicon-nitride surface passivation of submicrometer silicon waveguides for low-power optical switches. <i>Optics Letters</i> , 2009, 34, 1534.	3.3	18
82	Nonlinear optical interactions in silicon waveguides. <i>Nanophotonics</i> , 2017, 6, 377-392.	6.0	18
83	O-Band Silicon Photonic Transmitters for Datacom and Computercom Interconnects. <i>Journal of Lightwave Technology</i> , 2019, 37, 5140-5148.	4.6	18
84	A 106-Gb/s PAM-4 Silicon Optical Receiver. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 505-508.	2.5	18
85	Thermal Modelling of Silicon Photonic Ring Modulator with Substrate Undercut. <i>Journal of Lightwave Technology</i> , 2022, 40, 4357-4363.	4.6	18
86	Drive-noise-tolerant broadband silicon electro-optic switch. <i>Optics Express</i> , 2011, 19, 11568.	3.4	17
87	Real-Time and DSP-Free 128 Gb/s PAM-4 Link Using a Binary Driven Silicon Photonic Transmitter. <i>Journal of Lightwave Technology</i> , 2019, 37, 274-280.	4.6	17
88	56 Gb/s NRZ O-Band Hybrid BiCMOS-Silicon Photonics Receiver Using Ge/Si Avalanche Photodiode. <i>Journal of Lightwave Technology</i> , 2021, 39, 1409-1415.	4.6	17
89	A 40 Gb/s Chip-to-Chip Interconnect for 8-Socket Direct Connectivity Using Integrated Photonics. <i>IEEE Photonics Journal</i> , 2018, 10, 1-8.	2.0	16
90	High Absorption Contrast Quantum Confined Stark Effect in Ultra-Thin Ge/SiGe Quantum Well Stacks Grown on Si. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-7.	1.9	16

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91	50 Gbd PAM4 transmitter with a 55nm SiGe BiCMOS driver and silicon photonic segmented MZM. Optics Express, 2020, 28, 23950.	3.4	16
92	WDM-Based Silicon Photonic Multi-Socket Interconnect Architecture With Automated Wavelength and Thermal Drift Compensation. Journal of Lightwave Technology, 2020, 38, 6000-6006.	4.6	15
93	400 Gb/s Silicon Photonic Transmitter and Routing WDM Technologies for Glueless 8-Socket Chip-to-Chip Interconnects. Journal of Lightwave Technology, 2020, 38, 3366-3375.	4.6	14
94	O-band Energy-efficient Broadcast-friendly Interconnection Scheme with SiPho Mach-Zehnder Modulator (MZM) & Arrayed Waveguide Grating Router (AWGR). , 2018, , .		14
95	High-Q Photonic Crystal Nanocavities on 300 nm SOI Substrate Fabricated With 193 nm Immersion Lithography. Journal of Lightwave Technology, 2014, 32, 1457-1462.	4.6	13
96	Extraction of carrier lifetime in Ge waveguides using pump probe spectroscopy. Applied Physics Letters, 2016, 108, .	3.3	13
97	Capacitive actuation and switching of add-drop graphene-silicon micro-ring filters. Photonics Research, 2017, 5, 762.	7.0	13
98	Analog Radio-Over-Fiber Transceivers Based on 1V-on-Silicon Photonics. IEEE Photonics Technology Letters, 2018, 30, 1818-1821.	2.5	13
99	Silicon Photonics for 56G NRZ Optical Interconnects. , 2018, , .		12
100	Monolithic integration of microlenses on the backside of a silicon photonics chip for expanded beam coupling. Optics Express, 2021, 29, 7601.	3.4	12
101	Nano-ridge laser monolithically grown on (001) Si. Semiconductors and Semimetals, 2019, , 283-304.	0.7	12
102	52km-Long Transmission Link Using a 50Gb/s O-Band Silicon Microring Modulator Co-Packaged With a 1V-CMOS Driver. IEEE Photonics Journal, 2019, 11, 1-7.	2.0	11
103	Thermodynamic modelling of InAs/InP(001) growth towards quantum dots formation by metalorganic vapor phase epitaxy. Journal of Crystal Growth, 2019, 509, 133-140.	1.5	10
104	40-Gb/s PAM-4 Transmission Over a 40 km Amplifier-Less Link Using a Sub-5V Ge APD. IEEE Photonics Technology Letters, 2017, 29, 2238-2241.	2.5	9
105	Aerosol-Jet Printed Interconnects for 2.5 D Electronic and Photonic Integration. Journal of Lightwave Technology, 2018, 36, 3528-3533.	4.6	9
106	Performance Evaluation of Backside Emitting O-Band Grating Couplers for 100- μ m-Thick Silicon Photonics Interposers. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	9
107	Highly Sensitive 56 Gbps NRZ O-band BiCMOS-Silicon Photonics Receiver using a Ge/Si Avalanche Photodiode. , 2020, , .		9
108	Unique design approach to realize an O-band laser monolithically integrated on 300- μ m Si substrate by nano-ridge engineering. Optics Express, 2022, 30, 13510.	3.4	9

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109	Silicon-based Photonic Integrated Circuits for the Mid-infrared. <i>Procedia Engineering</i> , 2016, 140, 144-151.	1.2	8
110	Carrier scattering induced linewidth broadening in <i>in situ</i> P-doped Ge layers on Si. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	8
111	Widely Tunable III-V/Silicon Lasers for Spectroscopy in the Short-Wave Infrared. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-12.	2.9	8
112	Expanded-Beam Backside Coupling Interface for Alignment-Tolerant Packaging of Silicon Photonics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-7.	2.9	8
113	Efficient Resonance Management in Ultrahigh-Q 1D Photonic Crystal Nanocavities Fabricated on 300Åmm SOI CMOS Platform. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000317.	8.7	8
114	60Gb/s waveguide-coupled O-band GeSi quantum-confined Stark effect electro-absorption modulator. , 2021, , .		8
115	Simulation Study of a Monolithic III-V/Si V-Groove Carrier Depletion Optical Phase Shifter. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-8.	1.9	7
116	Loss-coupled DFB nano-ridge laser monolithically grown on a standard 300-mm Si wafer. <i>Optics Express</i> , 2021, 29, 14649.	3.4	7
117	Band-edge lasing in gold-clad photonic-crystal membranes. <i>IEEE Journal on Selected Areas in Communications</i> , 2005, 23, 1418-1423.	14.0	6
118	Silicon Photonic 16 Å— 16 Cyclic AWGR for DWDM O-Band Interconnects. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 1233-1236.	2.5	6
119	Silicon circuits for chip-to-chip communications in multi-socket server board interconnects. <i>IET Optoelectronics</i> , 2021, 15, 102-110.	3.3	6
120	(Invited) Monolithic Integration of III-V Semiconductors by Selective Area Growth on Si(001) Substrate: Epitaxy Challenges & Applications. <i>ECS Transactions</i> , 2015, 66, 107-116.	0.5	5
121	Optical Pre-Emphasis by Cascaded Graphene Electro Absorption Modulators. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 955-958.	2.5	5
122	Time-resolved photoluminescence characterization of InGaAs/GaAs nano-ridges monolithically grown on 300 mm Si substrates. <i>Journal of Applied Physics</i> , 2020, 127, 103104.	2.5	5
123	Ball Lens Embedded Through-Package Via To Enable Backside Coupling Between Silicon Photonics Interposer and Board-Level Interconnects. <i>Journal of Lightwave Technology</i> , 2020, 38, 2360-2369.	4.6	5
124	Diffraction studies for stoichiometry effects in BaTiO3 grown by molecular beam epitaxy on Ge(001). <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	4
125	Accelerated Device Degradation of High-Speed Ge Waveguide Photodetectors. , 2019, , .		4
126	Adaptive Patterning of Optical and Electrical Fan-Out for Photonic Chip Packaging. , 2019, , .		4

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127	Towards Maximum Energy Efficiency of Carrier-Injection-Based Silicon Photonics. Journal of Lightwave Technology, 2021, 39, 2931-2940.	4.6	4
128	Alignment-tolerant interfacing of a photonic integrated circuit using back side etched silicon microlenses. , 2019, , .		4
129	Aerosol-Jet Printed Interconnects for 60-Gb/s CMOS Driver and Microring Modulator Transmitter Assembly. IEEE Photonics Technology Letters, 2018, 30, 1944-1947.	2.5	3
130	Transfer Printing for Silicon Photonics Transceivers and Interposers. , 2018, , .		3
131	InAlGaAs encapsulation of MOVPE-grown InAs quantum dots on InP(O \hat{a} \hat{e} \hat{e} $\hat{1}$) substrate. Journal of Crystal Growth, 2020, 531, 125342.	1.5	3
132	Analysis of dark current in Ge-on-Si photodiodes at cryogenic temperatures. , 2020, , .		3
133	SiGe EAM-Based Transceivers for Datacenter Interconnects and Radio Over Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-13.	2.9	3
134	Silicon-contacted waveguide integrated Ge/Si avalanche photodiode with 32 GHz bandwidth and multiplication gain \hat{g} 8. , 2019, , .		2
135	Design optimization for energy-efficient pulse-switching networks in carrier-injection based Si-photonics. , 2019, , .		2
136	Modeling and Optimization of Hybrid FinFET-Silicon Photonic Interconnects. Journal of Lightwave Technology, 2020, 38, 4325-4332.	4.6	2
137	Degradation mechanisms in Germanium Electro-Absorption Modulators. , 2022, , .		2
138	Electromigration Performance Improvement of Metal Heaters for Si Photonic Ring Modulators. IEEE Transactions on Device and Materials Reliability, 2022, , 1-1.	2.0	2
139	Heterogeneous Integration of III-V Active Devices on a Silicon-on-Insulator Photonic Platform. , 2007, , .		1
140	Carrier lifetime assessment in integrated Ge waveguide devices. , 2015, , .		1
141	Analysis of homogeneous broadening in n-type doped Ge layers on Si for laser application. , 2017, , .		1
142	Towards High-Speed Energy-Efficient Pulse-Switching Networks Implemented in Carrier-Injection-Based Si-Photonics. , 2019, , .		1
143	III-V-on-Silicon Photonic Transceivers. , 2019, , .		1
144	Automated Thermal Drift Compensation in WDM-based Silicon Photonic Multi-Socket Interconnect Systems. , 2020, , .		1

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145	Monolithic GaAs/Si V-groove depletion-type optical phase shifters integrated in a 300mm Si photonics platform. Photonics Research, 0, , .	7.0	1
146	Wafer-Level Aging of InGaAs/GaAs Nano-Ridge p-i-n Diodes Monolithically Integrated on Silicon. , 2022, , .		1
147	Reduction of optical bleaching in phosphorus doped Ge layer on Si. , 2017, , .		0
148	53 GBd PAM-4 DAC-less low-power (1.5 pJ/b) silicon integrated transmitter. , 2019, , .		0
149	Monolithic InGaAs/GaAs multi-QWs DFB nano-ridge laser directly grown on 300 mm Si Wafer. , 2017, , .		0
150	Temperature and Wavelength Drift Tolerant WDM Transmission and Routing in On-chip Silicon Photonic Interconnects. Optics Express, 0, , .	3.4	0
151	Lossless High-speed Silicon Photonic MZI switch with a Micro-Transfer-Printed III-V amplifier. , 2022, , .		0