Joris Van Campenhout

List of Publications by Year
in descending order

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	Thermal Modelling of Silicon Photonic Ring Modulator with Substrate Undercut. Journal of Lightwave Technology, 2022, 40, 4357-4363.	4.6	18
2	Unique design approach to realize an O-band laser monolithically integrated on 300â€…mm Si substrate by nano-ridge engineering. Optics Express, 2022, 30, 13510.	3.4	9
3	Wafer-Level Aging of InGaAs/GaAs Nano-Ridge p-i-n Diodes Monolithically Integrated on Silicon. , 2022, , .		1
4	Degradation mechanisms in Germanium Electro-Absorption Modulators. , 2022, , .		2
5	Electromigration Performance Improvement of Metal Heaters for Si Photonic Ring Modulators. IEEE Transactions on Device and Materials Reliability, 2022, , 1-1.	2.0	2
6	Lossless High-speed Silicon Photonic MZI switch with a Micro-Transfer-Printed III-V amplifier. , 2022, , .		0
7	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
8	56 Gb/s NRZ O-Band Hybrid BiCMOS-Silicon Photonics Receiver Using Ge/si Avalanche Photodiode. Journal of Lightwave Technology, 2021, 39, 1409-1415.	4.6	17
9	Monolithic integration of microlenses on the backside of a silicon photonics chip for expanded beam coupling. Optics Express, 2021, 29, 7601.	3.4	12
10	Silicon circuits for chipâ€toâ€chip communications in multiâ€socket server board interconnects. IET Optoelectronics, 2021, 15, 102-110.	3.3	6
11	Loss-coupled DFB nano-ridge laser monolithically grown on a standard 300-mm Si wafer. Optics Express, 2021, 29, 14649.	3.4	7
12	Towards Maximum Energy Efficiency of Carrier-Injection-Based Silicon Photonics. Journal of Lightwave Technology, 2021, 39, 2931-2940.	4.6	4
13	Low Dark Current and High Responsivity 1020nm InGaAs/GaAs Nano-Ridge Waveguide Photodetector Monolithically Integrated on a 300-mm Si Wafer. Journal of Lightwave Technology, 2021, 39, 5263-5269.	4.6	20
14	Efficient Resonance Management in Ultrahighâ€Q 1D Photonic Crystal Nanocavities Fabricated on 300Âmm SOI CMOS Platform. Laser and Photonics Reviews, 2021, 15, 2000317.	8.7	8
15	60Gb/s waveguide-coupled O-band GeSi quantum-confined Stark effect electro-absorption modulator. , 2021, , .		8
16	Expanded-Beam Backside Coupling Interface for Alignment-Tolerant Packaging of Silicon Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-7.	2.9	8
17	High Absorption Contrast Quantum Confined Stark Effect in Ultra-Thin Ge/SiGe Quantum Well Stacks Grown on Si. IEEE Journal of Quantum Electronics, 2020, 56, 1-7.	1.9	16
18	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

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19	InAlGaAs encapsulation of MOVPE-grown InAs quantum dots on InP(0â€¯0â€¯1) substrate. Journal of Crystal Growth, 2020, 531, 125342.	1.5	3
20	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
21	Silicon Photonic 16 Ã— 16 Cyclic AWGR for DWDM O-Band Interconnects. IEEE Photonics Technology Letters, 2020, 32, 1233-1236.	2.5	6
22	Analysis of dark current in Ge-on-Si photodiodes at cryogenic temperatures. , 2020, , .		3
23	27 GHz Silicon-Contacted Waveguide-Coupled Ge/Si Avalanche Photodiode. Journal of Lightwave Technology, 2020, 38, 3044-3050.	4.6	30
24	Modeling and Optimization of Hybrid FinFET-Silicon Photonic Interconnects. Journal of Lightwave Technology, 2020, 38, 4325-4332.	4.6	2
25	Time-resolved photoluminescence characterization of InGaAs/GaAs nano-ridges monolithically grown on 300 mm Si substrates. Journal of Applied Physics, 2020, 127, 103104.	2.5	5
26	Simulation Study of a Monolithic III-V/Si V-Groove Carrier Depletion Optical Phase Shifter. IEEE Journal of Quantum Electronics, 2020, 56, 1-8.	1.9	7
27	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
28	Ball Lens Embedded Through-Package Via To Enable Backside Coupling Between Silicon Photonics Interposer and Board-Level Interconnects. Journal of Lightwave Technology, 2020, 38, 2360-2369.	4.6	5
29	Nano-Ridge Engineering of GaSb for the Integration of InAs/GaSb Heterostructures on 300 mm (001) Si. Crystals, 2020, 10, 330.	2.2	25
30	4-channel 200 Gb/s WDM O-band silicon photonic transceiver sub-assembly. Optics Express, 2020, 28, 5706.	3.4	25
31	Highly Sensitive 56 Gbps NRZ O-band BiCMOS-Silicon Photonics Receiver using a Ge/Si Avalanche Photodiode. , 2020, , .		9
32	Automated Thermal Drift Compensation in WDM-based Silicon Photonic Multi-Socket Interconnect Systems. , 2020, , .		1
33	50 GBd PAM4 transmitter with a 55nm SiGe BiCMOS driver and silicon photonic segmented MZM. Optics Express, 2020, 28, 23950.	3.4	16
34	Accelerated Device Degradation of High-Speed Ge Waveguide Photodetectors. , 2019, , .		4
35	Performance Evaluation of Backside Emitting O-Band Grating Couplers for 100-mum-Thick Silicon Photonics Interposers. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	9
36	O-Band Silicon Photonic Transmitters for Datacom and Computercom Interconnects. Journal of Lightwave Technology, 2019, 37, 5140-5148.	4.6	18

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37	Widely Tunable IIIâ€“V/Silicon Lasers for Spectroscopy in the Short-Wave Infrared. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-12.	2.9	8
38	III-V-on-Si photonic integrated circuits realized using micro-transfer-printing. APL Photonics, 2019, 4, .	5.7	108
39	Towards High-Speed Energy-Efficient Pulse-Switching Networks Implemented in Carrier-Injection-Based Si-Photonics. , 2019, , .		1
40	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
41	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
42	52Âkm-Long Transmission Link Using a 50ÂGb/s O-Band Silicon Microring Modulator Co-Packaged With a 1V-CMOS Driver. IEEE Photonics Journal, 2019, 11, 1-7.	2.0	11
43	Optical Pre-Emphasis by Cascaded Graphene Electro Absorption Modulators. IEEE Photonics Technology Letters, 2019, 31, 955-958.	2.5	5
44	70 Gb/s Low-Power DC-Coupled NRZ Differential Electro-Absorption Modulator Driver in 55 nm SiGe BiCMOS. Journal of Lightwave Technology, 2019, 37, 1504-1514.	4.6	20
45	A 106-Gb/s PAM-4 Silicon Optical Receiver. IEEE Photonics Technology Letters, 2019, 31, 505-508.	2.5	18
46	Silicon-contacted waveguide integrated Ge/Si avalanche photodiode with 32 GHz bandwidth and multiplication gain >8. , 2019, , .		2
47	53 GBd PAM-4 DAC-less low-power (1.5 pJ/b) silicon integrated transmitter. , 2019, , .		0
48	Design optimization for energy-efficient pulse-switching networks in carrier-injection based Si-photonics. , 2019, , .		2
49	Adaptive Patterning of Optical and Electrical Fan-Out for Photonic Chip Packaging. , 2019, , .		4
50	III-V-on-Silicon Photonic Transceivers. , 2019, , .		1
51	Thermodynamic modelling of InAs/InP(0â€¯0â€¯1) growth towards quantum dots formation by metalorganic vapor phase epitaxy. Journal of Crystal Growth, 2019, 509, 133-140.	1.5	10
52	Real-Time and DSP-Free 128 Gb/s PAM-4 Link Using a Binary Driven Silicon Photonic Transmitter. Journal of Lightwave Technology, 2019, 37, 274-280.	4.6	17
53	Nano-ridge laser monolithically grown on (001) Si. Semiconductors and Semimetals, 2019, , 283-304.	0.7	12
54	Novel adiabatic coupler for III-V nano-ridge laser grown on a Si photonics platform. Optics Express, 2019, 27, 37781.	3.4	26

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55	Alignment-tolerant interfacing of a photonic integrated circuit using back side etched silicon microlenses. , 2019, , .		4
56	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
57	Low-Power 56Gb/s NRZ Microring Modulator Driver in 28nm FDSOI CMOS. IEEE Photonics Technology Letters, 2018, 30, 467-470.	2.5	35
58	Grapheneâ€“silicon phase modulators with gigahertz bandwidth. Nature Photonics, 2018, 12, 40-44.	31.4	261
59	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
60	A 40 Gb/s Chip-to-Chip Interconnect for 8-Socket Direct Connectivity Using Integrated Photonics. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	16
61	Carrier scattering induced linewidth broadening in in situ P-doped Ge layers on Si. Applied Physics Letters, 2018, 113, .	3.3	8
62	Silicon Photonics for 56G NRZ Optical Interconnects. , 2018, , .		12
63	Analog Radio-Over-Fiber Transceivers Based on IIIâ€“V-on-Silicon Photonics. IEEE Photonics Technology Letters, 2018, 30, 1818-1821.	2.5	13
64	13 Î¼m 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
65	Silicon photonic 8 Ã— 8 cyclic Arrayed Waveguide Grating Router for O-band on-chip communication. Optics Express, 2018, 26, 6276.	3.4	33
66	Aerosol-Jet Printed Interconnects for 2.5 D Electronic and Photonic Integration. Journal of Lightwave Technology, 2018, 36, 3528-3533.	4.6	9
67	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
68	Transfer Printing for Silicon Photonics Transceivers and Interposers. , 2018, , .		3
69	Integration of etched facet, electrically pumped, C-band Fabry-PÃ©rot lasers on a silicon photonic integrated circuit by transfer printing. Optics Express, 2018, 26, 21443.	3.4	27
70	Widely tunable 23â€‰â€‰Î¼m III-V-on-silicon Vernier lasers for broadband spectroscopic sensing. Photonics Research, 2018, 6, 858.	7.0	47
71	O-band Energy-efficient Broadcast-friendly Interconnection Scheme with SiPho Mach-Zehnder Modulator (MZM) & Arrayed Waveguide Grating Router (AWGR). , 2018, , .		14
72	Nonlinear optical interactions in silicon waveguides. Nanophotonics, 2017, 6, 377-392.	6.0	18

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73	Room Temperature O-band DFB Laser Array Directly Grown on (001) Silicon. Nano Letters, 2017, 17, 559-564.	9.1	59
74	Novel Light Source Integration Approaches for Silicon Photonics. Laser and Photonics Reviews, 2017, 11, 1700063.	8.7	143
75	Optical Interconnect Solution With Plasmonic Modulator and Ge Photodetector Array. IEEE Photonics Technology Letters, 2017, 29, 1760-1763.	2.5	19
76	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
77	Analysis of homogeneous broadening in n-type doped Ge layers on Si for laser application. , 2017, , .		1
78	Reduction of optical bleaching in phosphorus doped Ge layer on Si. , 2017, , .		0
79	Chirp management in silicon-graphene electro absorption modulators. Optics Express, 2017, 25, 19371.	3.4	22
80	Orientation-dependent electro-optical response of BaTiO_3 on SrTiO_3-buffered Si(001) studied via spectroscopic ellipsometry. Optical Materials Express, 2017, 7, 2030.	3.0	19
81	Optical pumped InGaAs/GaAs nano-ridge laser epitaxially grown on a standard 300-mm Si wafer. Optica, 2017, 4, 1468.	9.3	89
82	Capacitive actuation and switching of addâ€“drop graphene-silicon micro-ring filters. Photonics Research, 2017, 5, 762.	7.0	13
83	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
84	Monolithic InGaAs/GaAs multi-QWs DFB nano-ridge laser directly grown on 300 mm Si Wafer. , 2017, , .		0
85	â^'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
86	Complex effective index in graphene-silicon waveguides. Optics Express, 2016, 24, 29984.	3.4	32
87	Dark current analysis in high-speed germanium p-i-n waveguide photodetectors. Journal of Applied Physics, 2016, 119, .	2.5	65
88	Extraction of carrier lifetime in Ge waveguides using pump probe spectroscopy. Applied Physics Letters, 2016, 108, .	3.3	13
89	Diffraction studies for stoichiometry effects in BaTiO3 grown by molecular beam epitaxy on Ge(001). Journal of Applied Physics, 2016, 120, .	2.5	4
90	III/V nano ridge structures for optical applications on patterned 300â€‰mm silicon substrate. Applied Physics Letters, 2016, 109, .	3.3	79

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91	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
92	Broadband 10 Gb/s operation of graphene electroâ€absorption modulator on silicon. Laser and Photonics Reviews, 2016, 10, 307-316.	8.7	144
93	56 Gb/s Germanium Waveguide Electro-Absorption Modulator. Journal of Lightwave Technology, 2016, 34, 419-424.	4.6	127
94	Silicon-based Photonic Integrated Circuits for the Mid-infrared. Procedia Engineering, 2016, 140, 144-151.	1.2	8
95	Enhanced active P doping by using high order Ge precursors leading to intense photoluminescence. Thin Solid Films, 2016, 602, 56-59.	1.8	19
96	Silicon and silicon nitride photonic circuits for spectroscopic sensing on-a-chip [Invited]. Photonics Research, 2015, 3, B47.	7.0	173
97	III-V-on-Silicon Photonic Devices for Optical Communication and Sensing. Photonics, 2015, 2, 969-1004.	2.0	103
98	Carrier lifetime assessment in integrated Ge waveguide devices. , 2015, , .		1
99	(Invited) Monolithic Integration of III-V Semiconductors by Selective Area Growth on Si(001) Substrate: Epitaxy Challenges & Applications. ECS Transactions, 2015, 66, 107-116.	0.5	5
100	Silicon photonics integrated circuits: a manufacturing platform for high density, low power optical I/Oâ€™s. Optics Express, 2015, 23, 9369.	3.4	101
101	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
102	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
103	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
104	IIIâ€“V-on-silicon anti-colliding pulse-type mode-locked laser. Optics Letters, 2015, 40, 3057.	3.3	19
105	Room-temperature InP distributed feedback laser array directly grown on silicon. Nature Photonics, 2015, 9, 837-842.	31.4	270
106	Imec iSiPP25G silicon photonics: a robust CMOS-based photonics technology platform. Proceedings of SPIE, 2015, , .	0.8	37
107	Two-Dimensional, 37-Channel, High-Bandwidth, Ultra-Dense Silicon Photonics Optical Interface. Journal of Lightwave Technology, 2015, 33, 653-656.	4.6	23
108	Highly Uniform 28Gb/s Si Photonics Platform for High-Density, Low-Power WDM Optical Interconnects. , 2014, , .		20

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109	Silicon dual-ring modulator driven by differential signal. Optics Letters, 2014, 39, 6379.	3.3	20
110	Ge-on-Si and Ge-on-SOI thermo-optic phase shifters for the mid-infrared. Optics Express, 2014, 22, 28479.	3.4	100
111	Trade-off between optical modulation amplitude and modulation bandwidth of silicon micro-ring modulators. Optics Express, 2014, 22, 15178.	3.4	62
112	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
113	Generation of 36â€‰â€‰Î¼m 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
114	High-Q Photonic Crystal Nanocavities on 300 mm SOI Substrate Fabricated With 193 nm Immersion Lithography. Journal of Lightwave Technology, 2014, 32, 1457-1462.	4.6	13
115	Silicon-Based Photonic Integration Beyond the Telecommunication Wavelength Range. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 394-404.	2.9	106
116	Polytypic InP Nanolaser Monolithically Integrated on (001) Silicon. Nano Letters, 2013, 13, 5063-5069.	9.1	59
117	Germanium-on-silicon planar concave grating wavelength (de)multiplexers in the mid-infrared. Applied Physics Letters, 2013, 103, .	3.3	66
118	Nonlinear absorption and refraction in crystalline silicon in the midâ€infrared. Laser and Photonics Reviews, 2013, 7, 1054-1064.	8.7	77
119	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
120	On-chip optical interconnects versus electrical interconnects for high-performance applications. Microelectronic Engineering, 2013, 112, 84-91.	2.4	19
121	Germanium-on-Silicon Mid-Infrared Arrayed Waveguide Grating Multiplexers. IEEE Photonics Technology Letters, 2013, 25, 1805-1808.	2.5	127
122	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
123	Demonstration of Silicon-on-insulator mid-infrared spectrometers operating at 38Î¼m. Optics Express, 2013, 21, 11659.	3.4	111
124	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
125	Silicon-based heterogeneous photonic integrated circuits for the mid-infrared. Optical Materials Express, 2013, 3, 1523.	3.0	65
126	GeSn/Ge heterostructure short-wave infrared photodetectors on silicon. Optics Express, 2012, 20, 27297.	3.4	169

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127	Using carrier-depletion silicon modulators for optical power monitoring. Optics Letters, 2012, 37, 4681.	3.3	37
128	Performance tradeoff between lateral and interdigitated doping patterns for high speed carrier-depletion based silicon modulators. Optics Express, 2012, 20, 12926.	3.4	154
129	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
130	Non-Blocking 4x4 Electro-Optic Silicon Switch for On-Chip Photonic Networks. Optics Express, 2011, 19, 47.	3.4	160
131	Drive-noise-tolerant broadband silicon electro-optic switch. Optics Express, 2011, 19, 11568.	3.4	17
132	IIIâ€“V/Silicon-on-Insulator Nanophotonic Cavities for Optical Network-on-Chip. Journal of Nanoscience and Nanotechnology, 2010, 10, 1461-1472.	0.9	36
133	Integrated NiSi waveguide heaters for CMOS-compatible silicon thermo-optic devices. Optics Letters, 2010, 35, 1013.	3.3	69
134	InP/InGaAs Photodetector on SOI Photonic Circuitry. IEEE Photonics Journal, 2010, 2, 299-305.	2.0	45
135	Silicon-nitride surface passivation of submicrometer silicon waveguides for low-power optical switches. Optics Letters, 2009, 34, 1534.	3.3	18
136	Design of a digital, ultra-broadband electro-optic switch for reconfigurable optical networks-on-chip. Optics Express, 2009, 17, 23793.	3.4	67
137	Low-power, 2Ã—2 silicon electro-optic switch with 110-nm bandwidth for broadband reconfigurable optical networks. Optics Express, 2009, 17, 24020.	3.4	249
138	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
139	A Compact SOI-Integrated Multiwavelength Laser Source Based on Cascaded InP Microdisks. IEEE Photonics Technology Letters, 2008, 20, 1345-1347.	2.5	103
140	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
141	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
142	Electrically pumped InP-based microdisk lasers integrated with a nanophotonic silicon-on-insulator waveguide circuit. Optics Express, 2007, 15, 6744.	3.4	475
143	Thermal Characterization of Electrically Injected Thin-Film InGaAsP Microdisk Lasers on Si. Journal of Lightwave Technology, 2007, 25, 1543-1548.	4.6	35
144	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

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145	Heterogeneous Integration of III-V Active Devices on a Silicon-on-Insulator Photonic Platform. , 2007, , .		1
146	Heterogeneous integration of electrically driven microdisk based laser sources for optical interconnects and photonic ICs. Optics Express, 2006, 14, 3864.	3.4	67
147	Band-edge lasing in gold-clad photonic-crystal membranes. IEEE Journal on Selected Areas in Communications, 2005, 23, 1418-1423.	14.0	6
148	Low-Loss SOI Photonic Wires and Ring Resonators Fabricated With Deep UV Lithography. IEEE Photonics Technology Letters, 2004, 16, 1328-1330.	2.5	370
149	Basic structures for photonic integrated circuits in Silicon-on-insulator. Optics Express, 2004, 12, 1583.	3.4	247
150	Monolithic GaAs/Si V-groove depletion-type optical phase shifters integrated in a 300mm Si photonics platform. Photonics Research, 0, , .	7.0	1
151	Temperature and Wavelength Drift Tolerant WDM Transmission and Routing in On-chip Silicon Photonic Interconnects. Optics Express, 0, , .	3.4	0