

D Van Thourhout

List of Publications by Year in descending order

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228
papers

9,640
citations

57758

44
h-index

38395

95
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228
all docs

228
docs citations

228
times ranked

7269
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon microring resonators. <i>Laser and Photonics Reviews</i> , 2012, 6, 47-73.	8.7	1,788
2	High-speed plasmonic phase modulators. <i>Nature Photonics</i> , 2014, 8, 229-233.	31.4	511
3	Electrically pumped InP-based microdisk lasers integrated with a nanophotonic silicon-on-insulator waveguide circuit. <i>Optics Express</i> , 2007, 15, 6744.	3.4	475
4	High-efficiency fiber-to-chip grating couplers realized using an advanced CMOS-compatible Silicon-On-Insulator platform. <i>Optics Express</i> , 2010, 18, 18278.	3.4	418
5	Low-Loss SOI Photonic Wires and Ring Resonators Fabricated With Deep UV Lithography. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 1328-1330.	2.5	370
6	Low-loss, low-cross-talk crossings for silicon-on-insulator nanophotonic waveguides. <i>Optics Letters</i> , 2007, 32, 2801.	3.3	300
7	Basic structures for photonic integrated circuits in Silicon-on-insulator. <i>Optics Express</i> , 2004, 12, 1583.	3.4	247
8	Fabrication of Photonic Wire and Crystal Circuits in Silicon-on-Insulator Using 193-nm Optical Lithography. <i>Journal of Lightwave Technology</i> , 2009, 27, 4076-4083.	4.6	196
9	Laser emission and photodetection in an InP/InGaAsP layer integrated on and coupled to a Silicon-on-Insulator waveguide circuit. <i>Optics Express</i> , 2006, 14, 8154.	3.4	187
10	Strain-engineered high-responsivity MoTe ₂ photodetector for silicon photonic integrated circuits. <i>Nature Photonics</i> , 2020, 14, 578-584.	31.4	172
11	Integration of single photon emitters in 2D layered materials with a silicon nitride photonic chip. <i>Nature Communications</i> , 2019, 10, 4435.	12.8	168
12	Nanophotonic Pockels modulators on a silicon nitride platform. <i>Nature Communications</i> , 2018, 9, 3444.	12.8	163
13	III-V/Si photonics by die-to-wafer bonding. <i>Materials Today</i> , 2007, 10, 36-43.	14.2	160
14	Optical bistability and pulsating behaviour in Silicon-On-Insulator ring resonator structures. <i>Optics Express</i> , 2005, 13, 9623.	3.4	153
15	High efficiency grating coupler between silicon-on-insulator waveguides and perfectly vertical optical fibers. <i>Optics Letters</i> , 2007, 32, 1495.	3.3	149
16	Ultra-thin DVS-BCB adhesive bonding of III-V wafers, dies and multiple dies to a patterned silicon-on-insulator substrate. <i>Optical Materials Express</i> , 2013, 3, 35.	3.0	147
17	High efficiency diffractive grating couplers for interfacing a single mode optical fiber with a nanophotonic silicon-on-insulator waveguide circuit. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	144
18	Low-Threshold Heterogeneously Integrated InP/SOI Lasers With a Double Adiabatic Taper Coupler. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 76-78.	2.5	138

#	ARTICLE	IF	CITATIONS
19	Compact wavelength router based on a Silicon-on-insulator arrayed waveguide grating pigtailed to a fiber array. <i>Optics Express</i> , 2006, 14, 664.	3.4	125
20	Ultrafast all-optical switching by cross-absorption modulation in silicon wire waveguides. <i>Optics Express</i> , 2005, 13, 7298.	3.4	120
21	Low-loss amorphous silicon-on-insulator technology for photonic integrated circuitry. <i>Optics Communications</i> , 2009, 282, 1767-1770.	2.1	119
22	Efficient silicon-on-insulator fiber coupler fabricated using 248-nm-deep UV lithography. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 2613-2615.	2.5	115
23	Trimming of silicon ring resonator by electron beam induced compaction and strain. <i>Optics Express</i> , 2008, 16, 3738.	3.4	115
24	Grating-Based Optical Fiber Interfaces for Silicon-on-Insulator Photonic Integrated Circuits. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011, 17, 571-580.	2.9	114
25	Adhesive Bonding of InP-InGaAsP Dies to Processed Silicon-On-Insulator Wafers using DVS-bis-Benzocyclobutene. <i>Journal of the Electrochemical Society</i> , 2006, 153, G1015.	2.9	110
26	III-V-on-Si photonic integrated circuits realized using micro-transfer-printing. <i>APL Photonics</i> , 2019, 4, .	5.7	108
27	Comparison of AWGs and Echelle Gratings for Wavelength Division Multiplexing on Silicon-on-Insulator. <i>IEEE Photonics Journal</i> , 2014, 6, 1-9.	2.0	107
28	Planar Concave Grating Demultiplexer With High Reflective Bragg Reflector Facets. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 309-311.	2.5	103
29	Continuous-wave infrared optical gain and amplified spontaneous emission at ultralow threshold by colloidal HgTe quantum dots. <i>Nature Materials</i> , 2018, 17, 35-42.	27.5	99
30	High speed logic gate using two-photon absorption in silicon waveguides. <i>Optics Communications</i> , 2006, 265, 171-174.	2.1	96
31	Heterogeneously integrated III-V/silicon distributed feedback lasers. <i>Optics Letters</i> , 2013, 38, 5434.	3.3	93
32	Quantum rod emission coupled to plasmonic lattice resonances: A collective directional source of polarized light. <i>Applied Physics Letters</i> , 2012, 100, 111103.	3.3	86
33	Hybrid III-V/Si Distributed-Feedback Laser Based on Adhesive Bonding. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 2155-2158.	2.5	85
34	III/V nano ridge structures for optical applications on patterned 300-nm silicon substrate. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	79
35	Heterogeneous integration of electrically driven microdisk based laser sources for optical interconnects and photonic ICs. <i>Optics Express</i> , 2006, 14, 3864.	3.4	67
36	Plasmonic-organic hybrid (POH) modulators for OOK and BPSK signaling at 40 Gbit/s. <i>Optics Express</i> , 2015, 23, 9938.	3.4	65

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37	Lanthanide-Assisted Deposition of Strongly Electro-optic PZT Thin Films on Silicon: Toward Integrated Active Nanophotonic Devices. ACS Applied Materials & Interfaces, 2015, 7, 13350-13359.	8.0	58
38	High-responsivity graphene photodetectors integrated on silicon microring resonators. Nature Communications, 2021, 12, 3733.	12.8	57
39	Chip-integrated van der Waals PN heterojunction photodetector with low dark current and high responsivity. Light: Science and Applications, 2022, 11, 101.	16.6	57
40	Silicon-on-Insulator (SOI) Ring Resonator-Based Integrated Optical Hydrogen Sensor. IEEE Photonics Technology Letters, 2009, 21, 960-962.	2.5	56
41	Bridging the Gap Between Nanophotonic Waveguide Circuits and Single Mode Optical Fibers Using Diffractive Grating Structures. Journal of Nanoscience and Nanotechnology, 2010, 10, 1551-1562.	0.9	49
42	InP/InGaAs Photodetector on SOI Photonic Circuitry. IEEE Photonics Journal, 2010, 2, 299-305.	2.0	45
43	Ultracompact Phase Modulator Based on a Cascade of NEMS-Operated Slot Waveguides Fabricated in Silicon-on-Insulator. IEEE Photonics Journal, 2012, 4, 779-788.	2.0	45
44	Thin-film devices fabricated with benzocyclobutene adhesive wafer bonding. Journal of Lightwave Technology, 2005, 23, 517-523.	4.6	44
45	Heterogeneous integration and precise alignment of InP-based photonic crystal lasers to complementary metal-oxide semiconductor fabricated silicon-on-insulator wire waveguides. Journal of Applied Physics, 2010, 107, .	2.5	42
46	Detection of nanomechanical motion by evanescent light wave coupling. Applied Physics Letters, 2007, 90, 233116.	3.3	41
47	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
48	2D-3D integration of hexagonal boron nitride and a high- \hat{n}^2 dielectric for ultrafast graphene-based electro-absorption modulators. Nature Communications, 2021, 12, 1070.	12.8	40
49	Highly Integrated Optical 4 \times 4 Crossbar in Silicon-on-Insulator Technology. Journal of Lightwave Technology, 2009, 27, 3317-3323.	4.6	39
50	Compact SOI-based polarization diversity wavelength de-multiplexer circuit using two symmetric AWGs. Optics Express, 2012, 20, B493.	3.4	36
51	Nanophotonic Polarization Diversity Demultiplexer Chip. Journal of Lightwave Technology, 2009, 27, 417-425.	4.6	34
52	Spectroscopy of the nonlinear refractive index of colloidal PbSe nanocrystals. Applied Physics Letters, 2006, 89, 193106.	3.3	33
53	Generation of correlated photons in hydrogenated amorphous-silicon waveguides. Optics Letters, 2010, 35, 3483.	3.3	32
54	III-V-on-silicon multi-frequency lasers. Optics Express, 2013, 21, 13675.	3.4	32

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55	2D materials-enabled optical modulators: From visible to terahertz spectral range. Applied Physics Reviews, 2022, 9, .	11.3	32
56	Heterogeneous Integration on Silicon Photonics. Proceedings of the IEEE, 2018, 106, 2258-2269.	21.3	31
57	Localization-limited exciton oscillator strength in colloidal CdSe nanoplatelets revealed by the optically induced stark effect. Light: Science and Applications, 2021, 10, 112.	16.6	30
58	Unidirectional III-V microdisk lasers heterogeneously integrated on SOI. Optics Express, 2013, 21, 19339.	3.4	29
59	Ultra-thin benzocyclobutene bonding of III-V dies onto SOI substrate. Electronics Letters, 2005, 41, 561.	1.0	28
60	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
61	SOI nanophotonic waveguide structures fabricated with deep UV lithography. Photonics and Nanostructures - Fundamentals and Applications, 2004, 2, 81-86.	2.0	26
62	Electrophoretic deposition of ZnO nanoparticles, from micropatterns to substrate coverage. Nanotechnology, 2008, 19, 245301.	2.6	25
63	Quantum Dot Micropatterning on Si. Langmuir, 2008, 24, 5961-5966.	3.5	25
64	Integration of Colloidal PbS/CdS Quantum Dots with Plasmonic Antennas and Superconducting Detectors on a Silicon Nitride Photonic Platform. Nano Letters, 2019, 19, 5452-5458.	9.1	24
65	Compact digitally tunable laser. IEEE Photonics Technology Letters, 2003, 15, 182-184.	2.5	23
66	Out-of-Plane Focusing Grating Couplers for Silicon Photonics Integration With Optical MRAM Technology. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-8.	2.9	23
67	A compact photonic horizontal spot-size converter realized in silicon-on-insulator. IEEE Photonics Technology Letters, 2005, 17, 73-75.	2.5	22
68	Low-Voltage High-Speed Travelling Wave InGaAsP-InP Phase Modulator. IEEE Photonics Technology Letters, 2004, 16, 1831-1833.	2.5	21
69	Hybrid InP-based photonic crystal lasers on silicon on insulator wires. Applied Physics Letters, 2009, 95, 201119.	3.3	21
70	Low-power thermo-optic tuning of vertically coupled microring resonators. Electronics Letters, 2004, 40, 560.	1.0	19
71	Focused-Ion-Beam Fabrication of Slots in Silicon Waveguides and Ring Resonators. IEEE Photonics Technology Letters, 2008, 20, 2004-2006.	2.5	19
72	Optical Interconnect Solution With Plasmonic Modulator and Ge Photodetector Array. IEEE Photonics Technology Letters, 2017, 29, 1760-1763.	2.5	19

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73	High Extinction Ratio Hybrid Graphene-Silicon Photonic Crystal Switch. IEEE Photonics Technology Letters, 2018, 30, 157-160.	2.5	19
74	Ultrafast carrier dynamics in colloidal WS ₂ nanosheets obtained through a hot injection synthesis. Journal of Chemical Physics, 2019, 151, 164701.	3.0	19
75	Observation of WDM crosstalk in passive semiconductor waveguides. IEEE Photonics Technology Letters, 2001, 13, 457-459.	2.5	18
76	Modeling of a novel InP-based monolithically integrated magneto-optical waveguide isolator. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 261.	2.1	18
77	Compact grating couplers between optical fibers and Silicon-on-Insulator photonic wire waveguides with 69% coupling efficiency. , 2006, , .		18
78	Transfer Print Integration of Waveguide-Coupled Germanium Photodiodes Onto Passive Silicon Photonic ICs. Journal of Lightwave Technology, 2018, 36, 1249-1254.	4.6	18
79	Uniformity of the lasing wavelength of heterogeneously integrated InP microdisk lasers on SOI. Optics Express, 2013, 21, 10622.	3.4	17
80	10 Gb/s Integrated Tunable Hybrid III-V/Si Laser and Silicon Mach-Zehnder Modulator. , 2012, , .		17
81	Monolithically integrated multi-wavelength laser by selective area growth with metal organic vapour phase epitaxy. Electronics Letters, 2001, 37, 296.	1.0	16
82	Coupling schemes for heterogeneous integration of III-V membrane devices and silicon-on-insulator waveguides. Journal of Lightwave Technology, 2005, 23, 3827-3831.	4.6	16
83	Experimental results on adiabatic coupling into SOI photonic Crystal coupled-cavity waveguides. IEEE Photonics Technology Letters, 2005, 17, 1199-1201.	2.5	16
84	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
85	Silicon-on-Insulator CWDM Power Monitor/Receiver With Integrated Thin-Film InGaAs Photodetectors. IEEE Photonics Technology Letters, 2009, 21, 1423-1425.	2.5	14
86	Ultracompact electro-optic phase modulator based on III-V-on-silicon microdisk resonator. Optics Letters, 2012, 37, 2379.	3.3	14
87	Novel geometry for an integrated channel selector. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 1211-1214.	2.9	13
88	Basic photonic wire components in silicon-on-insulator. , 0, , .		13
89	Silicon-on-insulator based nano-photonics: Why, How, What for?. , 0, , .		13
90	Bias-free, low power and optically driven membrane InP switch on SOI for remotely configurable photonic packet switches. Optics Express, 2011, 19, B817.	3.4	12

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91	CMOS-compatible Tungsten heaters for silicon photonic waveguides. , 2012, , .		12
92	Laser Written Glass Interposer for Fiber Coupling to Silicon Photonic Integrated Circuits. IEEE Photonics Journal, 2021, 13, 1-12.	2.0	12
93	Wavelength-selective components in SOI photonic wires fabricated with deep UV lithography. , 0, , .		11
94	The non-linear refractive index of colloidal PbSe nanocrystals: Spectroscopy and saturation behaviour. Journal of Luminescence, 2006, 121, 369-374.	3.1	11
95	Photonics and electronics integration in the HELIOS project. , 2010, , .		11
96	Compact SOI-based AWG with flattened spectral response using a MMI. , 2011, , .		11
97	Microwave index engineering for slow-wave coplanar waveguides. Scientific Reports, 2018, 8, 5672.	3.3	11
98	Compact Focusing Grating Couplers Between Optical Fibers and Silicon-on-Insulator Photonic Wire Waveguides. , 2007, , .		10
99	Packaged hybrid integrated phased-array multi-wavelength laser. Electronics Letters, 2000, 36, 434.	1.0	9
100	Silicon-on-insulator nanophotonic waveguide circuit for fiber-to-the-home transceivers. , 2008, , .		9
101	Light emission and enhanced nonlinearity in nanophotonic waveguide circuits by IIIâ€V/silicon-on-insulator heterogeneous integration. Journal of Applied Physics, 2008, 104, 033117.	2.5	9
102	Polymer wedge for perfectly vertical light coupling to silicon. Proceedings of SPIE, 2009, , .	0.8	9
103	Heterogeneously integrated InP/SOI laser using double tapered single-mode waveguides through adhesive die to wafer bonding. , 2010, , .		9
104	A highly efficient electrically pumped optical amplifier integrated on a SOI waveguide circuit. , 2012, , .		9
105	Simple low-loss waveguide bends using ARROW effect. Applied Physics B: Lasers and Optics, 2005, 80, 745-748.	2.2	8
106	Photonic-crystal surface-emitting laser near 1.55â€m on gold-coated silicon wafer. Electronics Letters, 2007, 43, 343.	1.0	8
107	Sideband pump-probe technique resolves nonlinear modulation response of PbS/CdS quantum dots on a silicon nitride waveguide. APL Photonics, 2018, 3, 016101.	5.7	8
108	Broadband Optical Phase Modulation by Colloidal CdSe Quantum Wells. Nano Letters, 2022, 22, 58-64.	9.1	8

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109	Silicon-on-insulator platform for integrated wavelength-selective components. , 0, , .		7
110	Indium phosphide based membrane photodetector for optical interconnects on silicon. , 2008, , .		7
111	Integrated hybrid III–V/Si laser and transmitter. , 2012, , .		7
112	A 16×16 Non-Volatile Silicon Photonic Switch Circuit. IEEE Photonics Technology Letters, 2018, 30, 1258-1261.	2.5	7
113	Generating novel waveguides for stimulated Brillouin scattering with genetic algorithms. APL Photonics, 2019, 4, .	5.7	7
114	Ultra-compact optical filters in Silicon-on-Insulator and their Applications. , 2007, , .		6
115	InP/InGaAs photodetector on SOI circuitry. , 2009, , .		6
116	European HELIOS project: Silicon photonic photodetector integration. , 2009, , .		6
117	An optically pumped nanophotonic InP/InGaAlAs optical amplifier integrated on a SOI waveguide circuit. Optical and Quantum Electronics, 2012, 44, 513-519.	3.3	6
118	The BOOM Project: Towards 160 Gb/s Packet Switching Using SOI Photonic Integrated Circuits and Hybrid Integrated Optical Flip-Flops. Journal of Lightwave Technology, 2012, 30, 22-30.	4.6	6
119	All-Optical Low-Power 2R Regeneration of 10-Gb/s NRZ Signals Using a III-V on SOI Microdisk Laser. IEEE Photonics Journal, 2013, 5, 7802510-7802510.	2.0	6
120	Reversible and Tunable Second-Order Nonlinear Optical Susceptibility in PZT Thin Films for Integrated Optics. Advanced Optical Materials, 2021, 9, 2100149.	7.3	6
121	High-power digitally tunable laser with integrated star coupler. Electronics Letters, 2003, 39, 370.	1.0	5
122	Efficient fiber to SOI photonic wire coupler fabricated using standard CMOS technology. , 2005, , .		5
123	Heterogeneous Integration of III-V Photodetectors and Laser Diodes on Silicon-on-Insulator Waveguide Circuits. , 2006, , .		5
124	Compact and efficient fibre-to-waveguide grating couplers in InP-membrane. Electronics Letters, 2006, 42, 343.	1.0	5
125	InP-based Membrane Photodetectors for Optical Interconnects to Si. , 2007, , .		5
126	A photonic interconnect layer on CMOS. , 2007, , .		5

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127	Realization of a Four-Electrode Liquid Crystal Device With Full In-Plane Director Rotation. IEEE Transactions on Electron Devices, 2007, 54, 1295-1300.	3.0	5
128	Miniature integrated spectrometer fabricated on a silicon-on-insulator substrate. , 2008, , .		5
129	InP-based photodetector bonded on CMOS with Si ³ N ⁴ interconnect waveguides. , 2009, , .		5
130	Strategies to increase the modal gain in heterogeneously integrated III-V amplifiers on silicon-on-insulator. Optical and Quantum Electronics, 2012, 44, 683-689.	3.3	5
131	Demonstration of a novel III-V-on-Si distributed feedback laser. , 2013, , .		5
132	FDTD as Dewetting Coating for an Electrowetting Controlled Silicon Photonic Switch. IEEE Photonics Technology Letters, 2018, 30, 2005-2008.	2.5	5
133	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
134	Comparison of integrated multi-wavelength and (widely) tunable edge-emitting laser diodes. Optical and Quantum Electronics, 2002, 34, 627-648.	3.3	4
135	Integration of an Electrically Driven InGaAsP Based Microdisk Laser with a Silicon based Passive Photonic Circuit. , 2007, , .		4
136	Compact, Low Power and Low Threshold Electrically Pumped Micro Disc Lasers for 20Gb/s Non Return to Zero All Optical Wavelength Conversion. , 2010, , .		4
137	SiGe based grating light valves: A leap towards monolithic integration of MOEMS. Microelectronic Engineering, 2010, 87, 1195-1197.	2.4	4
138	High efficiency broadband polarization rotator on silicon-on-insulator. , 2010, , .		4
139	Photonic integrated circuits in silicon-on-insulator. , 2010, , .		4
140	Diffraction studies for stoichiometry effects in BaTiO ₃ grown by molecular beam epitaxy on Ge(001). Journal of Applied Physics, 2016, 120, .	2.5	4
141	RoF System Based on an III-V-on-Silicon Transceiver With a Transfer-Printed PD. IEEE Photonics Technology Letters, 2019, 31, 1045-1048.	2.5	4
142	Towards Maximum Energy Efficiency of Carrier-Injection-Based Silicon Photonics. Journal of Lightwave Technology, 2021, 39, 2931-2940.	4.6	4
143	Silicon-on-insulator platform for WDM-components. , 0, , .		3
144	Ultrafast non-inverting wavelength conversion by cross-absorption modulation in silicon wire waveguides. , 0, , .		3

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145	Technologies for on-chip optical interconnects. , 2005, , .		3
146	High Index-Contrast Silicon-On-Insulator Nanophotonics. , 2006, , .		3
147	Continuous Time-of-Flight Ranging Using a MEMS Diffractive Subwavelength Period Grating (de)Modulator. IEEE Photonics Technology Letters, 2008, 20, 1827-1829.	2.5	3
148	Interfacing optical fibers and high refractive index contrast waveguide circuits using diffractive grating couplers. , 2009, , .		3
149	Static and dynamic characterization of pull-in protected CMOS compatible poly-SiGe grating light valves. Sensors and Actuators A: Physical, 2012, 179, 283-290.	4.1	3
150	Transfer Printing for Silicon Photonics Transceivers and Interposers. , 2018, , .		3
151	III-V on Silicon Transmitters. , 2013, , .		3
152	Elimination of crosstalk in the common output amplifier of a multi-wavelength source by gain clamping. , 0, , .		2
153	Amplified spontaneous emission in index-guided multimodal waveguide structures. IEEE Journal of Quantum Electronics, 2003, 39, 1099-1105.	1.9	2
154	Experimental demonstration of adiabatic coupling into SOI photonic crystal coupled-cavity waveguides. , 2005, , .		2
155	Recent progress in SOI nanophotonic waveguides. , 2005, , .		2
156	InP on Silicon Electrically Driven Microdisk Lasers for Photonic ICs. , 0, , .		2
157	All-optical high speed NOR gate based on two photon absorption in silicon wire waveguides. , 2006, , .		2
158	Silicon Nanophotonics and Its Applications in Sensing. , 2007, , .		2
159	Multifunctional Photonic Crystal Compact Demux-Detector on InP. , 2008, , .		2
160	Low-loss, InP-based integrated optical isolators. , 2008, , .		2
161	Optical gradient force in a slot waveguide on a Silicon-on-Insulator-Chip. , 2009, , .		2
162	III-V/silicon-on-insulator photonic integrated circuit for fiber-to-the-home central office transceivers in a point-to-point network configuration. , 2010, , .		2

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163	Chip-to-chip plasmonic interconnects and the activities of EU project NAVOLCHI. , 2012, , .		2
164	Heterogeneously integrated III-V/Si single mode lasers based on a MMI-ring configuration and triplet-ring reflectors. , 2013, , .		2
165	III-V-on-silicon photonic integrated circuits for communication and sensing applications. , 2015, , .		2
166	Broadband and Temperature Tolerant Silicon Nitride Liquid Controlled Waveguide Coupler. Journal of Lightwave Technology, 2019, 37, 2311-2316.	4.6	2
167	Design optimization for energy-efficient pulse-switching networks in carrier-injection based Si-photonics. , 2019, , .		2
168	Computer aided design for integrated optical circuits: task flow and tools. , 0, , .		1
169	An integrated optical add/drop multiplexer in InP based on elliptic couplers and Bragg grating reflector. , 0, , .		1
170	A method for detecting sub-wavelength features by means of a multimode waveguide and a mode splitting photonic IC. , 0, , .		1
171	Deep UV lithography for planar photonic crystal structures. , 0, , .		1
172	Integration of photonic functions in and with silicon. , 0, , .		1
173	Focused-Ion-Beam Fabricated Vertical Fiber Couplers on Silicon-on-Insulator Waveguides. , 2006, , .		1
174	Electrically Injected InGaAsP Microdisk Lasers Heterogeneously Integrated on a Si-Wafer. , 2006, , .		1
175	Nonlinear self-distortion of picosecond optical pulses in silicon wire waveguides. , 2006, , .		1
176	11.4 dB isolation on an amplifying AlGaInAs/InP optical waveguide isolator. , 2006, , .		1
177	Heterogeneous Integration of III-V Active Devices on a Silicon-on-Insulator Photonic Platform. , 2007, , .		1
178	Emission of positronium in a nanometric PMMA film. Applied Surface Science, 2008, 255, 197-200.	6.1	1
179	Compact integrated photonic crystal demultiplexer for emitting and receiving InP photonic integrated circuits. , 2008, , .		1
180	A dynamic subwavelength pitch grating modulator for continuous Time-Of-Flight ranging with optical mixing. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
181	Compact Multiwavelength Laser Source Based on Cascaded InP-Microdisks Coupled to One SOI Waveguide. , 2008, , .		1
182	III-V silicon heterogeneous integration for integrated transmitters and receivers. Proceedings of SPIE, 2008, , .	0.8	1
183	Electrically injected InP microdisk lasers integrated with nanophotonic SOI circuits. Proceedings of SPIE, 2008, , .	0.8	1
184	III–V photonic crystal lasers heterogeneously bonded to Silicon-On-Insulator waveguides. , 2009, , .		1
185	Optomechanical interactions between nanophotonic wires on a silicon-on-insulator-chip. , 2009, , .		1
186	Silicon photonics developments in Europe. Proceedings of SPIE, 2009, , .	0.8	1
187	Modulators and photodetectors developed in the framework of the European HELIOS project. Proceedings of SPIE, 2010, , .	0.8	1
188	All-optical wavelength conversion at 160Gb/s using an SOA and a 3rd order SOI nanowire periodic filter. , 2010, , .		1
189	Hybrid silicon lasers for optical interconnect. , 2012, , .		1
190	A 2D MEMS grating based CMOS compatible poly-SiGe variable optical attenuator. Microelectronic Engineering, 2013, 105, 8-12.	2.4	1
191	III-V/silicon photonic integrated circuits for communication and sensing applications. , 2013, , .		1
192	Analysis of homogeneous broadening in n-type doped Ge layers on Si for laser application. , 2017, , .		1
193	Realisation of a phased-array multi-wavelength laser using hybridly integrated PICs. , 0, , .		0
194	Multi quantum well (MQW) lasers at 1550 nm fabricated with a single epitaxial selective growth step by MOVPE without waveguide etching. , 0, , .		0
195	Low power thermo-optic tuning of vertically coupled InP microring resonators. , 0, , .		0
196	InP-nanocrystal monolayer deposition onto silicon-on-insulator structures. , 2005, , .		0
197	Optical bistability analysis inside a two-bus ring resonator. , 2005, , .		0
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