

Michal Lipson

List of Publications by Citations

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299
papers

29,022
citations

89
h-index

165
g-index

351
ext. papers

36,967
ext. citations

7.8
avg, IF

7.43
L-index

#	Paper	IF	Citations
299	Micrometre-scale silicon electro-optic modulator. <i>Nature</i> , 2005 , 435, 325-7	50.4	1587
298	Guiding and confining light in void nanostructure. <i>Optics Letters</i> , 2004 , 29, 1209-11	3	1198
297	All-optical control of light on a silicon chip. <i>Nature</i> , 2004 , 431, 1081-4	50.4	1064
296	New CMOS-compatible platforms based on silicon nitride and Hydex for nonlinear optics. <i>Nature Photonics</i> , 2013 , 7, 597-607	33.9	634
295	12.5 Gbit/s carrier-injection-based silicon micro-ring silicon modulators. <i>Optics Express</i> , 2007 , 15, 430-6	3.3	623
294	Broad-band optical parametric gain on a silicon photonic chip. <i>Nature</i> , 2006 , 441, 960-3	50.4	606
293	CMOS-compatible multiple-wavelength oscillator for on-chip optical interconnects. <i>Nature Photonics</i> , 2010 , 4, 37-40	33.9	600
292	Nanotaper for compact mode conversion. <i>Optics Letters</i> , 2003 , 28, 1302-4	3	570
291	Optical manipulation of nanoparticles and biomolecules in sub-wavelength slot waveguides. <i>Nature</i> , 2009 , 457, 71-5	50.4	564
290	Experimental realization of an on-chip all-optical analogue to electromagnetically induced transparency. <i>Physical Review Letters</i> , 2006 , 96, 123901	7.4	512
289	Silicon nanostructure cloak operating at optical frequencies. <i>Nature Photonics</i> , 2009 , 3, 461-463	33.9	502
288	Graphene electro-optic modulator with 30 GHz bandwidth. <i>Nature Photonics</i> , 2015 , 9, 511-514	33.9	491
287	Experimental demonstration of guiding and confining light in nanometer-size low-refractive-index material. <i>Optics Letters</i> , 2004 , 29, 1626-8	3	465
286	Dissipative Kerr solitons in optical microresonators. <i>Science</i> , 2018 , 361,	33.3	455
285	WDM-compatible mode-division multiplexing on a silicon chip. <i>Nature Communications</i> , 2014 , 5, 3069	17.4	428
284	Octave-spanning frequency comb generation in a silicon nitride chip. <i>Optics Letters</i> , 2011 , 36, 3398-400	3	344
283	All-optical logic based on silicon micro-ring resonators. <i>Optics Express</i> , 2007 , 15, 924-9	3.3	321

282	Photonic-chip-based frequency combs. <i>Nature Photonics</i> , 2019 , 13, 158-169	33.9	303
281	Silicon-chip-based ultrafast optical oscilloscope. <i>Nature</i> , 2008 , 456, 81-4	50.4	301
280	Optical 4x4 hitless silicon router for optical networks-on-chip (NoC). <i>Optics Express</i> , 2008 , 16, 15915-22	3.3	288
279	Broadband mid-infrared frequency comb generation in a Si(3)N(4) microresonator. <i>Optics Letters</i> , 2015 , 40, 4823-6	3	279
278	Tailored anomalous group-velocity dispersion in silicon channel waveguides. <i>Optics Express</i> , 2006 , 14, 4357-62	3.3	278
277	Nanophotonic lithium niobate electro-optic modulators. <i>Optics Express</i> , 2018 , 26, 1547-1555	3.3	276
276	Nonlinear optics in photonic nanowires. <i>Optics Express</i> , 2008 , 16, 1300-20	3.3	273
275	Signal regeneration using low-power four-wave mixing on silicon chip. <i>Nature Photonics</i> , 2008 , 2, 35-38	33.9	256
274	Optical bistability on a silicon chip. <i>Optics Letters</i> , 2004 , 29, 2387-9	3	254
273	Controlling photonic structures using optical forces. <i>Nature</i> , 2009 , 462, 633-6	50.4	247
272	Battery-operated integrated frequency comb generator. <i>Nature</i> , 2018 , 562, 401-405	50.4	245
271	Synchronization of micromechanical oscillators using light. <i>Physical Review Letters</i> , 2012 , 109, 233906	7.4	238
270	Generation of correlated photons in nanoscale silicon waveguides. <i>Optics Express</i> , 2006 , 14, 12388-93	3.3	238
269	On-chip gas detection in silicon optical microcavities. <i>Optics Express</i> , 2008 , 16, 4296-301	3.3	234
268	Ultra-low-loss on-chip resonators with sub-milliwatt parametric oscillation threshold. <i>Optica</i> , 2017 , 4, 619	8.6	233
267	Silicon-chip mid-infrared frequency comb generation. <i>Nature Communications</i> , 2015 , 6, 6299	17.4	228
266	Breaking the delay-bandwidth limit in a photonic structure. <i>Nature Physics</i> , 2007 , 3, 406-410	16.2	226
265	Broad-band continuous-wave parametric wavelength conversion in silicon nanowaveguides. <i>Optics Express</i> , 2007 , 15, 12949-58	3.3	219

264	Non-reciprocal phase shift induced by an effective magnetic flux for light. <i>Nature Photonics</i> , 2014 , 8, 701-705	33.9	214
263	High confinement micron-scale silicon nitride high Q ring resonator. <i>Optics Express</i> , 2009 , 17, 11366-70	3.3	209
262	Harmonic generation in silicon nitride ring resonators. <i>Optics Express</i> , 2011 , 19, 11415-21	3.3	201
261	Subwavelength confinement in an integrated metal slot waveguide on silicon. <i>Optics Letters</i> , 2006 , 31, 2133-5	3	197
260	On-chip mode-division multiplexing switch. <i>Optica</i> , 2015 , 2, 530	8.6	194
259	Low loss etchless silicon photonic waveguides. <i>Optics Express</i> , 2009 , 17, 4752-7	3.3	191
258	Ultra-low power parametric frequency conversion in a silicon microring resonator. <i>Optics Express</i> , 2008 , 16, 4881-7	3.3	185
257	Cascaded silicon micro-ring modulators for WDM optical interconnection. <i>Optics Express</i> , 2006 , 14, 9431-5	3.3	184
256	Thermally controlled comb generation and soliton modelocking in microresonators. <i>Optics Letters</i> , 2016 , 41, 2565-8	3	182
255	Photolithographic patterning of organic electronic materials. <i>Organic Electronics</i> , 2006 , 7, 22-28	3.5	179
254	Ultrasmall mode volumes in dielectric optical microcavities. <i>Physical Review Letters</i> , 2005 , 95, 143901	7.4	177
253	Changing the colour of light in a silicon resonator. <i>Nature Photonics</i> , 2007 , 1, 293-296	33.9	176
252	Optofluidic trapping and transport on solid core waveguides within a microfluidic device. <i>Optics Express</i> , 2007 , 15, 14322-34	3.3	173
251	All-optical switching on a silicon chip. <i>Optics Letters</i> , 2004 , 29, 2867-9	3	161
250	Carrier-induced optical bistability in silicon ring resonators. <i>Optics Letters</i> , 2006 , 31, 341-3	3	159
249	On-chip dual-comb source for spectroscopy. <i>Science Advances</i> , 2018 , 4, e1701858	14.3	155
248	Near-field radiative cooling of nanostructures. <i>Nano Letters</i> , 2012 , 12, 4546-50	11.5	153
247	Horizontal single and multiple slot waveguides: optical transmission at $\lambda = 1550$ nm. <i>Optics Express</i> , 2007 , 15, 17967-72	3.3	153

246	Optical nonreciprocity in optomechanical structures. <i>Physical Review Letters</i> , 2009 , 102, 213903	7.4	152
245	Near-field radiative heat transfer between parallel structures in the deep subwavelength regime. <i>Nature Nanotechnology</i> , 2016 , 11, 515-519	28.7	150
244	Integrated GHz silicon photonic interconnect with micrometer-scale modulators and detectors. <i>Optics Express</i> , 2009 , 17, 15248-56	3.3	145
243	Modelocking and femtosecond pulse generation in chip-based frequency combs. <i>Optics Express</i> , 2013 , 21, 1335-43	3.3	143
242	Ultrashort free-carrier lifetime in low-loss silicon nanowaveguides. <i>Optics Express</i> , 2010 , 18, 3582-91	3.3	143
241	First-principle derivation of gain in high-index-contrast waveguides. <i>Optics Express</i> , 2008 , 16, 16659-69	3.3	141
240	Ultra-low capacitance and high speed germanium photodetectors on silicon. <i>Optics Express</i> , 2009 , 17, 7901-6	3.3	139
239	All-Optical Comb Switch for Multiwavelength Message Routing in Silicon Photonic Networks. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 767-769	2.2	139
238	Silicon-chip-based mid-infrared dual-comb spectroscopy. <i>Nature Communications</i> , 2018 , 9, 1869	17.4	139
237	Silicon-based monolithic optical frequency comb source. <i>Optics Express</i> , 2011 , 19, 14233-9	3.3	132
236	Cavity-enhanced on-chip absorption spectroscopy using microring resonators. <i>Optics Express</i> , 2008 , 16, 11930-6	3.3	131
235	Optical time lens based on four-wave mixing on a silicon chip. <i>Optics Letters</i> , 2008 , 33, 1047-9	3	130
234	Electrically driven silicon resonant light emitting device based on slot-waveguide. <i>Optics Express</i> , 2005 , 13, 10092-101	3.3	120
233	Overcoming Si ₃ N ₄ film stress limitations for high quality factor ring resonators. <i>Optics Express</i> , 2013 , 21, 22829-33	3.3	119
232	How lasing happens in CsPbBr ₃ perovskite nanowires. <i>Nature Communications</i> , 2019 , 10, 265	17.4	118
231	All-optical slow-light on a photonic chip. <i>Optics Express</i> , 2006 , 14, 2317-22	3.3	117
230	CMOS-compatible athermal silicon microring resonators. <i>Optics Express</i> , 2010 , 18, 3487-93	3.3	115
229	Demonstration of strong near-field radiative heat transfer between integrated nanostructures. <i>Nano Letters</i> , 2014 , 14, 6971-5	11.5	114

228	Athermal silicon microring resonators with titanium oxide cladding. <i>Optics Express</i> , 2013 , 21, 26557-63	3.3	114
227	On-Chip Optical Squeezing. <i>Physical Review Applied</i> , 2015 , 3,	4.3	112
226	Nanophotonic trapping for precise manipulation of biomolecular arrays. <i>Nature Nanotechnology</i> , 2014 , 9, 448-52	28.7	111
225	Mode-locked mid-infrared frequency combs in a silicon microresonator. <i>Optica</i> , 2016 , 3, 854	8.6	108
224	Wide-bandwidth continuously tunable optical delay line using silicon microring resonators. <i>Optics Express</i> , 2010 , 18, 26525-34	3.3	106
223	Frequency conversion over two-thirds of an octave in silicon nanowaveguides. <i>Optics Express</i> , 2010 , 18, 1904-8	3.3	106
222	High performance germanium photodetectors integrated on submicron silicon waveguides by low temperature wafer bonding. <i>Optics Express</i> , 2008 , 16, 11513-8	3.3	106
221	Low-loss silicon platform for broadband mid-infrared photonics. <i>Optica</i> , 2017 , 4, 707	8.6	105
220	Compact bandwidth-tunable microring resonators. <i>Optics Letters</i> , 2007 , 32, 3361-3	3	105
219	Ultrafast all-optical modulation on a silicon chip. <i>Optics Letters</i> , 2005 , 30, 2891-3	3	104
218	Ultrafast waveform compression using a time-domain telescope. <i>Nature Photonics</i> , 2009 , 3, 581-585	33.9	103
217	Synchronization and Phase Noise Reduction in Micromechanical Oscillator Arrays Coupled through Light. <i>Physical Review Letters</i> , 2015 , 115, 163902	7.4	101
216	Broadband hitless silicon electro-optic switch for on-chip optical networks. <i>Optics Express</i> , 2009 , 17, 22271-80	3.3	101
215	Octave-spanning coherent supercontinuum generation in a silicon nitride waveguide. <i>Optics Letters</i> , 2015 , 40, 5117-20	3	99
214	Scalable 3D dense integration of photonics on bulk silicon. <i>Optics Express</i> , 2011 , 19, 17758-65	3.3	96
213	Thermal stabilization of a microring modulator using feedback control. <i>Optics Express</i> , 2012 , 20, 27999-8008	3.3	95
212	Time-resolved study of Raman gain in highly confined silicon-on-insulator waveguides. <i>Optics Express</i> , 2004 , 12, 4437-42	3.3	94
211	All-optical compact silicon comb switch. <i>Optics Express</i> , 2007 , 15, 9600-5	3.3	90

210	Compact electro-optic modulator on silicon-on-insulator substrates using cavities with ultra-small modal volumes. <i>Optics Express</i> , 2007 , 15, 3140-8	3.3	88
209	Large-scale optical phased array using a low-power multi-pass silicon photonic platform. <i>Optica</i> , 2020 , 7, 3	8.6	87
208	Deposited silicon high-speed integrated electro-optic modulator. <i>Optics Express</i> , 2009 , 17, 5118-24	3.3	86
207	Octave-spanning mid-infrared supercontinuum generation in silicon nanowaveguides. <i>Optics Letters</i> , 2014 , 39, 4518-21	3	83
206	Compact Electro-Optic Modulators on a Silicon Chip. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006 , 12, 1520-1526	3.8	83
205	Bandwidth shaping of microresonator-based frequency combs via dispersion engineering. <i>Optics Letters</i> , 2014 , 39, 3535-8	3	82
204	High-performance near-field thermophotovoltaics for waste heat recovery. <i>Nano Energy</i> , 2017 , 41, 344-350	3.5	79
203	High-speed optical sampling using a silicon-chip temporal magnifier. <i>Optics Express</i> , 2009 , 17, 4324-9	3.3	79
202	Wide temperature range operation of micrometer-scale silicon electro-optic modulators. <i>Optics Letters</i> , 2008 , 33, 2185-7	3	79
201	Compact narrow-linewidth integrated laser based on a low-loss silicon nitride ring resonator. <i>Optics Letters</i> , 2017 , 42, 4541-4544	3	78
200	High confinement in silicon slot waveguides with sharp bends. <i>Optics Express</i> , 2006 , 14, 9197-202	3.3	78
199	Minimizing temperature sensitivity of silicon Mach-Zehnder interferometers. <i>Optics Express</i> , 2010 , 18, 1879-87	3.3	77
198	Breather soliton dynamics in microresonators. <i>Nature Communications</i> , 2017 , 8, 14569	17.4	76
197	High Coupling Efficiency Etched Facet Tapers in Silicon Waveguides. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2380-2382	2.2	76
196	Patterning metal contacts on monolayer MoS ₂ with vanishing Schottky barriers using thermal nanolithography. <i>Nature Electronics</i> , 2019 , 2, 17-25	28.4	73
195	Low-loss composite photonic platform based on 2D semiconductor monolayers. <i>Nature Photonics</i> , 2020 , 14, 256-262	33.9	71
194	High quality factor etchless silicon photonic ring resonators. <i>Optics Express</i> , 2011 , 19, 6284-9	3.3	70
193	Direct measurement of tunable optical delays on chip analogue to electromagnetically induced transparency. <i>Optics Express</i> , 2006 , 14, 6463-8	3.3	70

192	Broadband Operation of Nanophotonic Router for Silicon Photonic Networks-on-Chip. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 926-928	2.2	69
191	Ultra-low voltage, ultra-small mode volume silicon microring modulator. <i>Optics Express</i> , 2010 , 18, 18235-43	3.3	68
190	Micrometer-scale all-optical wavelength converter on silicon. <i>Optics Letters</i> , 2005 , 30, 2733-5	3	67
189	Demonstration of high Raman gain in a submicrometer-size silicon-on-insulator waveguide. <i>Optics Letters</i> , 2005 , 30, 35-7	3	63
188	Tunable frequency combs based on dual microring resonators. <i>Optics Express</i> , 2015 , 23, 21527-40	3.3	60
187	Gigahertz frequency comb offset stabilization based on supercontinuum generation in silicon nitride waveguides. <i>Optics Express</i> , 2016 , 24, 11043-53	3.3	60
186	Wavelength multicasting in silicon photonic nanowires. <i>Optics Express</i> , 2010 , 18, 18047-55	3.3	60
185	Scalable Integration of Long-Lived Quantum Memories into a Photonic Circuit. <i>Physical Review X</i> , 2015 , 5,	9.1	57
184	Strong polarization mode coupling in microresonators. <i>Optics Letters</i> , 2014 , 39, 5134-7	3	57
183	Sub-nm resolution cavity enhanced microspectrometer. <i>Optics Express</i> , 2010 , 18, 102-7	3.3	57
182	High-Speed 2 \times , times ,52 Switch for Multiwavelength Silicon-Photonic NetworksOn-Chip. <i>Journal of Lightwave Technology</i> , 2009 , 27, 2900-2907	4	57
181	High-speed all-optical modulation using polycrystalline silicon microring resonators. <i>Applied Physics Letters</i> , 2008 , 92, 151104	3.4	57
180	On-chip frequency comb generation at visible wavelengths via simultaneous second- and third-order optical nonlinearities. <i>Optics Express</i> , 2014 , 22, 26517-25	3.3	56
179	Polysilicon photonic resonators for large-scale 3D integration of optical networks. <i>Optics Express</i> , 2007 , 15, 17283-90	3.3	56
178	Nanocavity in a silicon waveguide for ultrasensitive nanoparticle detection. <i>Applied Physics Letters</i> , 2004 , 85, 4854-4856	3.4	56
177	Photoluminescence enhancement of colloidal quantum dots embedded in a monolithic microcavity. <i>Applied Physics Letters</i> , 2003 , 82, 4032-4034	3.4	55
176	Chip-based frequency combs with sub-100 GHz repetition rates. <i>Optics Letters</i> , 2012 , 37, 875-7	3	53
175	High Q SiC microresonators. <i>Optics Express</i> , 2013 , 21, 16882-7	3.3	52

174	PINIP based high-speed high-extinction ratio micron-size silicon electrooptic modulator. <i>Optics Express</i> , 2007 , 15, 13035-42	3.3	52
173	High bandwidth on-chip silicon photonic interleaver. <i>Optics Express</i> , 2010 , 18, 23079-87	3.3	51
172	Multiple-wavelength integrated photonic networks based on microring resonator devices. <i>Journal of Optical Networking</i> , 2007 , 6, 112		51
171	High confinement suspended micro-ring resonators in silicon-on-insulator. <i>Optics Express</i> , 2006 , 14, 6259-63	3.3	51
170	High-Performance Silicon-Nitride-Based Multiple-Wavelength Source. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1375-1377	2.2	50
169	Ultra high bandwidth WDM using silicon microring modulators. <i>Optics Express</i> , 2010 , 18, 16858-67	3.3	50
168	Waveguide-integrated telecom-wavelength photodiode in deposited silicon. <i>Optics Letters</i> , 2011 , 36, 52-4	3	49
167	On-chip platform for a phased array with minimal beam divergence and wide field-of-view. <i>Optics Express</i> , 2018 , 26, 2528-2534	3.3	48
166	Continuous-wave mid-infrared frequency conversion in silicon nanowaveguides. <i>Optics Letters</i> , 2011 , 36, 1263-5	3	48
165	High quality factor and high confinement silicon resonators using etchless process. <i>Optics Express</i> , 2012 , 20, 21341-5	3.3	48
164	Linearized silicon modulator based on a ring assisted Mach Zehnder inteferometer. <i>Optics Express</i> , 2013 , 21, 22549-57	3.3	47
163	Transformation inverse design. <i>Optics Express</i> , 2013 , 21, 14223-43	3.3	47
162	All-optical regeneration on a silicon chip. <i>Optics Express</i> , 2007 , 15, 7802-9	3.3	47
161	Reconfigurable nanophotonic silicon probes for sub-millisecond deep-brain optical stimulation. <i>Nature Biomedical Engineering</i> , 2020 , 4, 223-231	19	46
160	Broadband Silicon Photonic Electrooptic Switch for Photonic Interconnection Networks. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 504-506	2.2	46
159	Athermal silicon microring electro-optic modulator. <i>Optics Letters</i> , 2012 , 37, 2253-5	3	46
158	Hot Carrier-Based Near-Field Thermophotovoltaic Energy Conversion. <i>ACS Nano</i> , 2017 , 11, 3001-3009	16.7	45
157	High Speed Carrier Injection 18 Gb/s Silicon Micro-ring Electro-optic Modulator. <i>Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS</i> , 2007 ,		45

156	Transmission of high-data-rate optical signals through a micrometer-scale silicon ring resonator. <i>Optics Letters</i> , 2006 , 31, 2701-3	3	45
155	Role of radiation and surface plasmon polaritons in the optical interactions between a nano-slit and a nano-groove on a metal surface. <i>Optics Express</i> , 2006 , 14, 12629-36	3-3	45
154	Synchronization of coupled optical microresonators. <i>Nature Photonics</i> , 2018 , 12, 688-693	33-9	45
153	All-optical switching of a single resonance in silicon ring resonators. <i>Optics Letters</i> , 2011 , 36, 1413-5	3	44
152	Overcoming the limitations of microelectronics using Si nanophotonics: solving the coupling, modulation and switching challenges. <i>Nanotechnology</i> , 2004 , 15, S622-S627	3-4	44
151	Integrated Luneburg lens via ultra-strong index gradient on silicon. <i>Optics Express</i> , 2011 , 19, 20122-7	3-3	43
150	Dual-pumped degenerate Kerr oscillator in a silicon nitride microresonator. <i>Optics Letters</i> , 2015 , 40, 5263-70	3	42
149	Integrated near-field thermo-photovoltaics for heat recycling. <i>Nature Communications</i> , 2020 , 11, 2545	17-4	42
148	Broadband tuning of optomechanical cavities. <i>Optics Express</i> , 2011 , 19, 2782-90	3-3	41
147	Slot waveguides with polycrystalline silicon for electrical injection. <i>Optics Express</i> , 2009 , 17, 1527-34	3-3	41
146	On-chip spectrophotometry for bioanalysis using microring resonators. <i>Biomedical Optics Express</i> , 2011 , 2, 271-7	3-5	40
145	High-speed electro-optic control of the optical quality factor of a silicon microcavity. <i>Optics Letters</i> , 2008 , 33, 1644-6	3	40
144	Low modal volume dipole-like dielectric slab resonator. <i>Optics Express</i> , 2008 , 16, 17689-94	3-3	40
143	Back-End Deposited Silicon Photonics for Monolithic Integration on CMOS. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 8200207-8200207	3-8	39
142	Asynchronous single-shot characterization of high-repetition-rate ultrafast waveforms using a time-lens-based temporal magnifier. <i>Optics Letters</i> , 2012 , 37, 4892-4	3	39
141	Quantum interference between transverse spatial waveguide modes. <i>Nature Communications</i> , 2017 , 8, 14010	17-4	38
140	Competition between Raman and Kerr effects in microresonator comb generation. <i>Optics Letters</i> , 2017 , 42, 2786-2789	3	38
139	Imaging highly confined modes in sub-micron scale silicon waveguides using Transmission-based Near-field Scanning Optical Microscopy. <i>Optics Express</i> , 2006 , 14, 10588-95	3-3	38

138	Turn-key, high-efficiency Kerr comb source. <i>Optics Letters</i> , 2019 , 44, 4475-4478	3	38
137	Er2O3 for high-gain waveguide amplifiers. <i>Journal of Electronic Materials</i> , 2004 , 33, 809-814	1.9	37
136	Spectral phase conjugation via temporal imaging. <i>Optics Express</i> , 2009 , 17, 20605-14	3.3	36
135	Spontaneous emergence of periodic patterns in a biologically inspired simulation of photonic structures. <i>Physical Review Letters</i> , 2006 , 96, 143904	7.4	36
134	Chip-scale blue light phased array. <i>Optics Letters</i> , 2020 , 45, 1934-1937	3	36
133	Optical nonlinearities in high-confinement silicon carbide waveguides. <i>Optics Letters</i> , 2015 , 40, 4138-41	3	35
132	Near-Degenerate Quadrature-Squeezed Vacuum Generation on a Silicon-Nitride Chip. <i>Physical Review Letters</i> , 2020 , 124, 193601	7.4	34
131	Microresonator-based comb generation without an external laser source. <i>Optics Express</i> , 2014 , 22, 1394-401	4.9	34
130	Silicon-waveguide-coupled high-Q chalcogenide microspheres. <i>Optics Express</i> , 2009 , 17, 5998-6003	3.3	33
129	Real-time vibrations of a carbon nanotube. <i>Nature</i> , 2019 , 566, 89-93	50.4	32
128	Coherent mid-infrared frequency combs in silicon-microresonators in the presence of Raman effects. <i>Optics Express</i> , 2016 , 24, 13044-50	3.3	32
127	First demonstration of long-haul transmission using silicon microring modulators. <i>Optics Express</i> , 2010 , 18, 15544-52	3.3	32
126	High-resolution spectroscopy using a frequency magnifier. <i>Optics Express</i> , 2009 , 17, 5691-7	3.3	32
125	All-optical control of an individual resonance in a silicon microresonator. <i>Physical Review Letters</i> , 2012 , 108, 223907	7.4	31
124	Tunable squeezing using coupled ring resonators on a silicon nitride chip. <i>Optics Letters</i> , 2016 , 41, 223-63	3	30
123	Oxidized silicon-on-insulator (OxSOI) from bulk silicon: a new photonic platform. <i>Optics Express</i> , 2010 , 18, 5785-90	3.3	30
122	Large tunable delays using parametric mixing and phase conjugation in Si nanowaveguides. <i>Optics Express</i> , 2008 , 16, 10349-57	3.3	30
121	Master-slave locking of optomechanical oscillators over a long distance. <i>Physical Review Letters</i> , 2015 , 114, 113602	7.4	29

120	Error-free transmission of microring-modulated BPSK. <i>Optics Express</i> , 2012 , 20, 8681-8	3.3	29
119	Microresonator-based high-resolution gas spectroscopy. <i>Optics Letters</i> , 2017 , 42, 4442-4445	3	29
118	1 micros tunable delay using parametric mixing and optical phase conjugation in Si waveguides. <i>Optics Express</i> , 2009 , 17, 7004-10	3.3	28
117	Green emission from Er-doped GaN powder. <i>Applied Physics Letters</i> , 2005 , 86, 191918	3.4	28
116	Visible nonlinear photonics via high-order-mode dispersion engineering. <i>Optica</i> , 2020 , 7, 135	8.6	27
115	Dynamics of mode-coupling-induced microresonator frequency combs in normal dispersion. <i>Optics Express</i> , 2016 , 24, 28794-28803	3.3	27
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