

Michal Lipson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Nano-spectroscopy of excitons in atomically thin transition metal dichalcogenides.. <i>Nature Communications</i> , 2022 , 13, 542	17.4	3
298	Robust, efficient, micrometre-scale phase modulators at visible wavelengths. <i>Nature Photonics</i> , 2021 , 15, 908-913	33.9	9
297	Optomechanical synchronization across multi-octave frequency spans. <i>Nature Communications</i> , 2021 , 12, 5625	17.4	1
296	Synchronization of nonsolitonic Kerr combs. <i>Science Advances</i> , 2021 , 7, eabi4362	14.3	3
295	High carrier mobility in graphene doped using a monolayer of tungsten oxyselenide. <i>Nature Electronics</i> , 2021 , 4, 731-739	28.4	4
294	Parametric sideband generation in CMOS-compatible oscillators from visible to telecom wavelengths. <i>Optica</i> , 2021 , 8, 316	8.6	6
293	Methods to achieve ultra-high quality factor silicon nitride resonators. <i>APL Photonics</i> , 2021 , 6, 071101	5.2	13
292	Conversion efficiency of soliton Kerr combs. <i>Optics Letters</i> , 2021 , 46, 3657-3660	3	6
291	Exploiting Ultralow Loss Multimode Waveguides for Broadband Frequency Combs. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000353	8.3	20
290	2D beam steerer based on metalens on silicon photonics. <i>Optics Express</i> , 2021 , 29, 854-864	3.3	12
289	Soliton-effect compression of picosecond pulses on a photonic chip. <i>Optics Letters</i> , 2021 , 46, 4706-4709	3	3
288	Millimeter-scale chip-based supercontinuum generation for optical coherence tomography. <i>Science Advances</i> , 2021 , 7, eabg8869	14.3	6
287	Tunable single-mode chip-scale mid-infrared laser. <i>Communications Physics</i> , 2021 , 4,	5.4	4
286	Near-Degenerate Quadrature-Squeezed Vacuum Generation on a Silicon-Nitride Chip. <i>Physical Review Letters</i> , 2020 , 124, 193601	7.4	34
285	Low-loss composite photonic platform based on 2D semiconductor monolayers. <i>Nature Photonics</i> , 2020 , 14, 256-262	33.9	71
284	Reconfigurable nanophotonic silicon probes for sub-millisecond deep-brain optical stimulation. <i>Nature Biomedical Engineering</i> , 2020 , 4, 223-231	19	46
283	Frequency-Domain Quantum Interference with Correlated Photons from an Integrated Microresonator. <i>Physical Review Letters</i> , 2020 , 124, 143601	7.4	18

282	Robust Hybrid III-V/Si ₃ N ₄ Laser with kHz-Linewidth and GHz-Pulling Range 2020 ,		4
281	PINE: Photonic Integrated Networked Energy efficient datacenters (ENLITENED Program) [Invited]. <i>Journal of Optical Communications and Networking</i> , 2020 , 12, 443	4.1	6
280	Performance scaling of a 10-GHz solid-state laser enabling self-referenced CEO frequency detection without amplification. <i>Optics Express</i> , 2020 , 28, 12755-12770	3.3	9
279	Chip-scale blue light phased array. <i>Optics Letters</i> , 2020 , 45, 1934-1937	3	36
278	Large-scale optical phased array using a low-power multi-pass silicon photonic platform. <i>Optica</i> , 2020 , 7, 3	8.6	87
277	Visible nonlinear photonics via high-order-mode dispersion engineering. <i>Optica</i> , 2020 , 7, 135	8.6	27
276	Robust Miniature Pure-Phase Modulators at k = 488 nm 2020 ,		1
275	Visible nonlinear photonics via high-order-mode dispersion engineering: publisher's note. <i>Optica</i> , 2020 , 7, 198	8.6	
274	High-performance integrated graphene electro-optic modulator at cryogenic temperature. <i>Nanophotonics</i> , 2020 , 10, 99-104	6.3	6
273	Universal Conversion Efficiency Scaling with Free-Spectral-Range for Soliton Kerr Combs 2020 ,		1
272	Integrated near-field thermo-photovoltaics for heat recycling. <i>Nature Communications</i> , 2020 , 11, 2545	17.4	42
271	Nanophotonic devices for power-efficient communications 2020 , 103-141		
270	Femtosecond exciton dynamics in WSe optical waveguides. <i>Nature Communications</i> , 2020 , 11, 3567	17.4	13
269	Demonstration of chip-based coupled degenerate optical parametric oscillators for realizing a nanophotonic spin-glass. <i>Nature Communications</i> , 2020 , 11, 4119	17.4	19
268	3D microphotonic probe for high resolution deep tissue imaging. <i>Optics Express</i> , 2019 , 27, 22352-22362	3.3	7
267	On-chip tunable photonic delay line. <i>APL Photonics</i> , 2019 , 4, 090803	5.2	16
266	Real-time vibrations of a carbon nanotube. <i>Nature</i> , 2019 , 566, 89-93	50.4	32
265	Strong Nonlinear Coupling in a Si ₃ N ₄ Ring Resonator. <i>Physical Review Letters</i> , 2019 , 122, 153906	7.4	16

264	Observation of Arnold Tongues in Coupled Soliton Kerr Frequency Combs. <i>Physical Review Letters</i> , 2019 , 123, 153901	7.4	10
263	High Quality Factor PECVD Si ₃ N ₄ Ring Resonators Compatible with CMOS Process 2019 ,		2
262	Chip-based frequency comb sources for optical coherence tomography. <i>Optics Express</i> , 2019 , 27, 19896-19905	3.9	13
261	Plug-and-play fiber to waveguide connector. <i>Optics Express</i> , 2019 , 27, 20305-20310	3.3	11
260	Microfluidic mid-infrared spectroscopy via microresonator-based dual-comb source. <i>Optics Letters</i> , 2019 , 44, 4259-4262	3	4
259	Turn-key, high-efficiency Kerr comb source. <i>Optics Letters</i> , 2019 , 44, 4475-4478	3	38
258	Micron-scale, Efficient, Robust Phase Modulators in the Visible 2019 ,		2
257	Broadband enhancement of thermal radiation. <i>Optics Express</i> , 2019 , 27, A818-A828	3.3	
256	Photonic-chip-based frequency combs. <i>Nature Photonics</i> , 2019 , 13, 158-169	33.9	303
255	How lasing happens in CsPbBr ₃ perovskite nanowires. <i>Nature Communications</i> , 2019 , 10, 265	17.4	118
254	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
253	On-chip dual-comb source for spectroscopy. <i>Science Advances</i> , 2018 , 4, e1701858	14.3	155
252	Nanophotonic lithium niobate electro-optic modulators. <i>Optics Express</i> , 2018 , 26, 1547-1555	3.3	276
251	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
250	Dissipative Kerr solitons in optical microresonators. <i>Science</i> , 2018 , 361,	33.3	455
249	Microphotonic needle for minimally invasive endoscopic imaging with sub-cellular resolution. <i>Scientific Reports</i> , 2018 , 8, 10756	4.9	8
248	Gas-Phase Microresonator-Based Comb Spectroscopy without an External Pump Laser. <i>ACS Photonics</i> , 2018 , 5, 2780-2785	6.3	16
247	Silicon Optical Phased Array with Grating Lobe-Free Beam Formation Over 180 Degree Field of View 2018 ,		21

246	Synchronization of coupled optical microresonators. <i>Nature Photonics</i> , 2018 , 12, 688-693	33.9	45
245	Battery-operated integrated frequency comb generator. <i>Nature</i> , 2018 , 562, 401-405	50.4	245
244	Carrier envelope offset detection via simultaneous supercontinuum and second-harmonic generation in a silicon nitride waveguide. <i>Optics Letters</i> , 2018 , 43, 4627-4630	3	27
243	Counter-rotating cavity solitons in a silicon nitride microresonator. <i>Optics Letters</i> , 2018 , 43, 547-550	3	26
242	Silicon-chip-based mid-infrared dual-comb spectroscopy. <i>Nature Communications</i> , 2018 , 9, 1869	17.4	139
241	Quantum interference between transverse spatial waveguide modes. <i>Nature Communications</i> , 2017 , 8, 14010	17.4	38
240	Breather soliton dynamics in microresonators. <i>Nature Communications</i> , 2017 , 8, 14569	17.4	76
239	Hot Carrier-Based Near-Field Thermophotovoltaic Energy Conversion. <i>ACS Nano</i> , 2017 , 11, 3001-3009	16.7	45
238	High-performance near-field thermophotovoltaics for waste heat recovery. <i>Nano Energy</i> , 2017 , 41, 344-350	15.1	79
237	Compact narrow-linewidth integrated laser based on a low-loss silicon nitride ring resonator. <i>Optics Letters</i> , 2017 , 42, 4541-4544	3	78
236	Coherent, directional supercontinuum generation. <i>Optics Letters</i> , 2017 , 42, 4466-4469	3	24
235	Photonic Needles for Light Delivery in Deep Tissue-like Media. <i>Scientific Reports</i> , 2017 , 7, 5627	4.9	3
234	Competition between Raman and Kerr effects in microresonator comb generation. <i>Optics Letters</i> , 2017 , 42, 2786-2789	3	38
233	Ultra-low-loss on-chip resonators with sub-milliwatt parametric oscillation threshold. <i>Optica</i> , 2017 , 4, 619	8.6	233
232	Low-loss silicon platform for broadband mid-infrared photonics. <i>Optica</i> , 2017 , 4, 707	8.6	105
231	On-chip thermo-optic tuning of suspended microresonators. <i>Optics Express</i> , 2017 , 25, 12109-12120	3.3	19
230	Integrated Graphene Electro-Optic Phase Modulator 2017 ,		6
229	Microresonator-based high-resolution gas spectroscopy. <i>Optics Letters</i> , 2017 , 42, 4442-4445	3	29

228	Gigahertz frequency comb offset stabilization based on supercontinuum generation in silicon nitride waveguides. <i>Optics Express</i> , 2016 , 24, 11043-53	3.3	60
227	Mode-locked mid-infrared frequency combs in a silicon microresonator. <i>Optica</i> , 2016 , 3, 854	8.6	108
226	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
225	Tunable squeezing using coupled ring resonators on a silicon nitride chip. <i>Optics Letters</i> , 2016 , 41, 223-63		30
224	Near-field radiative heat transfer between parallel structures in the deep subwavelength regime. <i>Nature Nanotechnology</i> , 2016 , 11, 515-519	28.7	150
223	Integrated Nanophotonic Platform for High Bandwidth and High Resolution Optogenetic Excitation 2016 ,		1
222	Silicon-Microresonator-Based Mid-Infrared Dual-Comb Source 2016 ,		8
221	Dynamics of mode-coupling-induced microresonator frequency combs in normal dispersion. <i>Optics Express</i> , 2016 , 24, 28794-28803	3.3	27
220	Thermally controlled comb generation and soliton modelocking in microresonators. <i>Optics Letters</i> , 2016 , 41, 2565-8	3	182
219	Quantum random number generator using a microresonator-based Kerr oscillator. <i>Optics Letters</i> , 2016 , 41, 4194-7	3	22
218	Silicon-chip mid-infrared frequency comb generation. <i>Nature Communications</i> , 2015 , 6, 6299	17.4	228
217	Graphene electro-optic modulator with 30 GHz bandwidth. <i>Nature Photonics</i> , 2015 , 9, 511-514	33.9	491
216	Master-slave locking of optomechanical oscillators over a long distance. <i>Physical Review Letters</i> , 2015 , 114, 113602	7.4	29
215	Tunable frequency combs based on dual microring resonators. <i>Optics Express</i> , 2015 , 23, 21527-40	3.3	60
214	Controlling thermo-optic response in microresonators using bimaterial cantilevers. <i>Optics Letters</i> , 2015 , 40, 103-6	3	6
213	On-chip mode-division multiplexing switch. <i>Optica</i> , 2015 , 2, 530	8.6	194
212	Optical nonlinearities in high-confinement silicon carbide waveguides. <i>Optics Letters</i> , 2015 , 40, 4138-41	3	35
211	On-Chip Optical Squeezing. <i>Physical Review Applied</i> , 2015 , 3,	4.3	112

210	Synchronization and Phase Noise Reduction in Micromechanical Oscillator Arrays Coupled through Light. <i>Physical Review Letters</i> , 2015 , 115, 163902	7.4	101
209	Scalable Integration of Long-Lived Quantum Memories into a Photonic Circuit. <i>Physical Review X</i> , 2015 , 5,	9.1	57
208	Octave-spanning coherent supercontinuum generation in a silicon nitride waveguide. <i>Optics Letters</i> , 2015 , 40, 5117-20	3	99
207	Broadband mid-infrared frequency comb generation in a Si(3)N(4) microresonator. <i>Optics Letters</i> , 2015 , 40, 4823-6	3	279
206	Dual-pumped degenerate Kerr oscillator in a silicon nitride microresonator. <i>Optics Letters</i> , 2015 , 40, 5267-70	42	
205	Nanophotonic trapping for precise manipulation of biomolecular arrays. <i>Nature Nanotechnology</i> , 2014 , 9, 448-52	28.7	111
204	WDM-compatible mode-division multiplexing on a silicon chip. <i>Nature Communications</i> , 2014 , 5, 3069	17.4	428
203	Intermodulation Crosstalk Characteristics of WDM Silicon Microring Modulators. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 1478-1481	2.2	19
202	Non-reciprocal phase shift induced by an effective magnetic flux for light. <i>Nature Photonics</i> , 2014 , 8, 701-705	33.9	214
201	Fast wavelength locking of a microring resonator 2014 ,		3
200	Bandwidth shaping of microresonator-based frequency combs via dispersion engineering. <i>Optics Letters</i> , 2014 , 39, 3535-8	3	82
199	Fast Wavelength Locking of a Microring Resonator. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2365-2368	10	
198	High RF carrier frequency modulation in silicon resonators by coupling adjacent free-spectral-range modes. <i>Optics Letters</i> , 2014 , 39, 1799-802	3	20
197	Strong polarization mode coupling in microresonators. <i>Optics Letters</i> , 2014 , 39, 5134-7	3	57
196	Microresonator-based comb generation without an external laser source. <i>Optics Express</i> , 2014 , 22, 1394-401	39	34
195	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
194	Demonstration of strong near-field radiative heat transfer between integrated nanostructures. <i>Nano Letters</i> , 2014 , 14, 6971-5	11.5	114
193	Eliminating anchor loss in optomechanical resonators using elastic wave interference. <i>Applied Physics Letters</i> , 2014 , 105, 051904	3.4	14

192	Octave-spanning mid-infrared supercontinuum generation in silicon nanowaveguides. <i>Optics Letters</i> , 2014 , 39, 4518-21	3	83
191	High Coupling Efficiency Etched Facet Tapers in Silicon Waveguides. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2380-2382	2.2	76
190	New CMOS-compatible platforms based on silicon nitride and Hydex for nonlinear optics. <i>Nature Photonics</i> , 2013 , 7, 597-607	33.9	634
189	High Q SiC microresonators. <i>Optics Express</i> , 2013 , 21, 16882-7	3.3	52
188	Linearized silicon modulator based on a ring assisted Mach Zehnder inteferometer. <i>Optics Express</i> , 2013 , 21, 22549-57	3.3	47
187	Overcoming SiN film stress limitations for high quality factor ring resonators. <i>Optics Express</i> , 2013 , 21, 22829-33	3.3	119
186	Athermal silicon microring resonators with titanium oxide cladding. <i>Optics Express</i> , 2013 , 21, 26557-63	3.3	114
185	Deposited low temperature silicon GHz modulator. <i>Optics Express</i> , 2013 , 21, 26688-92	3.3	14
184	Modelocking and femtosecond pulse generation in chip-based frequency combs. <i>Optics Express</i> , 2013 , 21, 1335-43	3.3	143
183	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
182	Transformation inverse design. <i>Optics Express</i> , 2013 , 21, 14223-43	3.3	47
181	Characterization of Nonlinear Optical Crosstalk in Silicon Nanowaveguides. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 185-187	2.2	9
180	Near-field radiative cooling of nanostructures. <i>Nano Letters</i> , 2012 , 12, 4546-50	11.5	153
179	Synchronization of micromechanical oscillators using light. <i>Physical Review Letters</i> , 2012 , 109, 233906	7.4	238
178	High-Performance Silicon-Nitride-Based Multiple-Wavelength Source. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1375-1377	2.2	50
177	Colorless Optical Network Unit Based on Silicon Photonic Components for WDM PON. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1372-1374	2.2	13
176	Broadband Silicon Photonic Packet-Switching Node for Large-Scale Computing Systems. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 688-690	2.2	8
175	40-Gb/s DPSK Data Transmission Through a Silicon Microring Switch. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 473-475	2.2	25

174	All-optical control of an individual resonance in a silicon microresonator. <i>Physical Review Letters</i> , 2012 , 108, 223907	7.4	31
173	Breakthroughs in Nonlinear Silicon Photonics 2011. <i>IEEE Photonics Journal</i> , 2012 , 4, 601-606	1.8	9
172	Thermal stabilization of a microring modulator using feedback control. <i>Optics Express</i> , 2012 , 20, 27999-8008	3.3	95
171	Wavelength conversion and unicast of 10-Gb/s data spanning up to 700 nm using a silicon nanowaveguide. <i>Optics Express</i> , 2012 , 20, 6488-95	3.3	13
170	Error-free transmission of microring-modulated BPSK. <i>Optics Express</i> , 2012 , 20, 8681-8	3.3	29
169	High quality factor and high confinement silicon resonators using etchless process. <i>Optics Express</i> , 2012 , 20, 21341-5	3.3	48
168	Electro-optofluidics: achieving dynamic control on-chip. <i>Optics Express</i> , 2012 , 20, 22314-26	3.3	19
167	Broadband parametric frequency comb generation with a 1-fs pump source. <i>Optics Express</i> , 2012 , 20, 26935-41	3.3	26
166	Athermal silicon microring electro-optic modulator. <i>Optics Letters</i> , 2012 , 37, 2253-5	3	46
165	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
164	Chip-based frequency combs with sub-100 GHz repetition rates. <i>Optics Letters</i> , 2012 , 37, 875-7	3	53
163	Power insensitive silicon microring resonators. <i>Optics Letters</i> , 2012 , 37, 590-2	3	22
162	UWB monocycle pulse generation using two-photon absorption in a silicon waveguide. <i>Optics Letters</i> , 2012 , 37, 551-3	3	16
161	Experimental characterization of the optical-power upper bound in a silicon microring modulator 2012 ,		11
160	4, times, \$44 Gb/s Packet-Level Switching in a Second-Order Microring Switch. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1555-1557	2.2	16
159	Continuous Wavelength Conversion of 40-Gb/s Data Over 100 nm Using a Dispersion-Engineered Silicon Waveguide. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 73-75	2.2	20
158	On-chip spectrophotometry for bioanalysis using microring resonators. <i>Biomedical Optics Express</i> , 2011 , 2, 271-7	3.5	40
157	Broadband tuning of optomechanical cavities. <i>Optics Express</i> , 2011 , 19, 2782-90	3.3	41

156	High quality factor etchless silicon photonic ring resonators. <i>Optics Express</i> , 2011 , 19, 6284-9	3-3	70
155	Harmonic generation in silicon nitride ring resonators. <i>Optics Express</i> , 2011 , 19, 11415-21	3-3	201
154	Simultaneous wavelength conversion of ASK and DPSK signals based on four-wave-mixing in dispersion engineered silicon waveguides. <i>Optics Express</i> , 2011 , 19, 12172-9	3-3	8
153	Silicon-based monolithic optical frequency comb source. <i>Optics Express</i> , 2011 , 19, 14233-9	3-3	132
152	Scalable 3D dense integration of photonics on bulk silicon. <i>Optics Express</i> , 2011 , 19, 17758-65	3-3	96
151	Direction-dependent optical modes in nanoscale silicon waveguides. <i>Optics Express</i> , 2011 , 19, 18380-92	3-3	3
150	CMOS compatible reconfigurable filter for high bandwidth non-blocking operation. <i>Optics Express</i> , 2011 , 19, 20115-21	3-3	15
149	Integrated Luneburg lens via ultra-strong index gradient on silicon. <i>Optics Express</i> , 2011 , 19, 20122-7	3-3	43
148	A hybrid optical packet and wavelength selective switching platform for high-performance data center networks. <i>Optics Express</i> , 2011 , 19, 24258-67	3-3	24
147	Absorption bleaching by stimulated emission in erbium-doped silicon-rich silicon nitride waveguides. <i>Optics Letters</i> , 2011 , 36, 4-6	3	6
146	Waveguide-integrated telecom-wavelength photodiode in deposited silicon. <i>Optics Letters</i> , 2011 , 36, 52-4	3	49
145	Continuous-wave mid-infrared frequency conversion in silicon nanowaveguides. <i>Optics Letters</i> , 2011 , 36, 1263-5	3	48
144	All-optical switching of a single resonance in silicon ring resonators. <i>Optics Letters</i> , 2011 , 36, 1413-5	3	44
143	Octave-spanning frequency comb generation in a silicon nitride chip. <i>Optics Letters</i> , 2011 , 36, 3398-400	3	344
142	Broadband Silicon Photonic Electrooptic Switch for Photonic Interconnection Networks. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 504-506	2.2	46
141	10-Gb/s Access Network Architecture Based on Micro-Ring Modulators With Colorless ONU and Mitigated Rayleigh Backscattering. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 914-916	2.2	2
140	DPSK Transmission Through Silicon Microring Switch for Photonic Interconnection Networks. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1103-1105	2.2	9
139	CMOS-compatible multiple-wavelength oscillator for on-chip optical interconnects. <i>Nature Photonics</i> , 2010 , 4, 37-40	33-9	600

138	Intermodulation crosstalk from silicon microring modulators in wavelength-parallel photonic networks-on-chip 2010 ,		4
137	Focusing light in a curved-space. <i>Optics Express</i> , 2010 , 18, 3181-6	3.3	22
136	CMOS-compatible athermal silicon microring resonators. <i>Optics Express</i> , 2010 , 18, 3487-93	3.3	115
135	Ultrashort free-carrier lifetime in low-loss silicon nanowaveguides. <i>Optics Express</i> , 2010 , 18, 3582-91	3.3	143
134	Oxidized silicon-on-insulator (OxSOI) from bulk silicon: a new photonic platform. <i>Optics Express</i> , 2010 , 18, 5785-90	3.3	30
133	Temporal-imaging system with simple external-clock triggering. <i>Optics Express</i> , 2010 , 18, 14262-9	3.3	26
132	First demonstration of long-haul transmission using silicon microring modulators. <i>Optics Express</i> , 2010 , 18, 15544-52	3.3	32
131	Ultra high bandwidth WDM using silicon microring modulators. <i>Optics Express</i> , 2010 , 18, 16858-67	3.3	50
130	Wavelength multicasting in silicon photonic nanowires. <i>Optics Express</i> , 2010 , 18, 18047-55	3.3	60
129	Ultra-low voltage, ultra-small mode volume silicon microring modulator. <i>Optics Express</i> , 2010 , 18, 18235-43	3.3	68
128	High bandwidth on-chip silicon photonic interleaver. <i>Optics Express</i> , 2010 , 18, 23079-87	3.3	51
127	Wide-bandwidth continuously tunable optical delay line using silicon microring resonators. <i>Optics Express</i> , 2010 , 18, 26525-34	3.3	106
126	On-chip supercontinuum optical trapping and resonance excitation of microspheres. <i>Optics Letters</i> , 2010 , 35, 1626-8	3	7
125	Sub-nm resolution cavity enhanced microspectrometer. <i>Optics Express</i> , 2010 , 18, 102-7	3.3	57
124	Ultralong continuously tunable parametric delays via a cascading discrete stage. <i>Optics Express</i> , 2010 , 18, 333-9	3.3	22
123	Minimizing temperature sensitivity of silicon Mach-Zehnder interferometers. <i>Optics Express</i> , 2010 , 18, 1879-87	3.3	77
122	Frequency conversion over two-thirds of an octave in silicon nanowaveguides. <i>Optics Express</i> , 2010 , 18, 1904-8	3.3	106
121	Broadband Operation of Nanophotonic Router for Silicon Photonic Networks-on-Chip. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 926-928	2.2	69

120	Demonstration of 1.28-Tb/s transmission in next-generation nanowires for photonic networks-on-chip 2010 ,		2
119	Introduction to the Special Issue on Silicon Photonics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010 , 16, 4-5	3.8	6
118	Optical nonreciprocity in optomechanical structures. <i>Physical Review Letters</i> , 2009 , 102, 213903	7.4	152
117	Optical manipulation of nanoparticles and biomolecules in sub-wavelength slot waveguides. <i>Nature</i> , 2009 , 457, 71-5	50.4	564
116	Controlling photonic structures using optical forces. <i>Nature</i> , 2009 , 462, 633-6	50.4	247
115	Silicon nanostructure cloak operating at optical frequencies. <i>Nature Photonics</i> , 2009 , 3, 461-463	33.9	502
114	Ultrafast waveform compression using a time-domain telescope. <i>Nature Photonics</i> , 2009 , 3, 581-585	33.9	103
113	Purification and mechanical nanosizing of Eu-doped GaN. <i>Journal of Crystal Growth</i> , 2009 , 311, 4402-4407.6		14
112	Nonlinear optics in photonics nanowires 2009 ,		1
111	Study of nanosecond pulsed magnetic fields using temporally resolved Faraday rotation through a magneto-optical waveguide. <i>Optics Letters</i> , 2009 , 34, 1009-11	3	5
110	On-chip generation of high-intensity short optical pulses using dynamic microcavities. <i>Optics Letters</i> , 2009 , 34, 2315-7	3	9
109	Ultrafast Measurements Using a Silicon- Chip-Based Temporal Lens. <i>Optics and Photonics News</i> , 2009 , 20, 40	1.9	11
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