

# Tobias J Kippenberg

## 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.

170  
papers

18,444  
citations

58  
h-index

135  
g-index

249  
ext. papers

25,588  
ext. citations

14.3  
avg, IF

7.21  
L-index

#	Paper	IF	Citations
170	Polarization selective ultra-broadband wavelength conversion in silicon nitride waveguides.. <i>Optics Express</i> , <b>2022</b> , 30, 4342-4350	3.3	2
169	Compact, spatial-mode-interaction-free, ultralow-loss, nonlinear photonic integrated circuits. <i>Communications Physics</i> , <b>2022</b> , 5,	5.4	6
168	Platicon microcomb generation using laser self-injection locking.. <i>Nature Communications</i> , <b>2022</b> , 13, 1771	17.4	8
167	Protected generation of dissipative Kerr solitons in supermodes of coupled optical microresonators.. <i>Science Advances</i> , <b>2022</b> , 8, eabm6982	14.3	1
166	Strained crystalline nanomechanical resonators with quality factors above 10 billion. <i>Nature Physics</i> , <b>2022</b> , 18, 436-441	16.2	3
165	Microwave-to-optical conversion with a gallium phosphide photonic crystal cavity.. <i>Nature Communications</i> , <b>2022</b> , 13, 2065	17.4	2
164	Near ultraviolet photonic integrated lasers based on silicon nitride. <i>APL Photonics</i> , <b>2022</b> , 7, 046108	5.2	1
163	Synthesis of near-diffraction-free orbital-angular-momentum space-time wave packets having a controllable group velocity using a frequency comb. <i>Optics Express</i> , <b>2022</b> , 30, 16712	3.3	0
162	Hierarchical tensile structures with ultralow mechanical dissipation. <i>Nature Communications</i> , <b>2022</b> , 13,	17.4	3
161	Integrated photonics enables continuous-beam electron phase modulation.. <i>Nature</i> , <b>2021</b> , 600, 653-658	50.4	4
160	320 GHz Analog-to-Digital Converter Exploiting Kerr Soliton Combs and Photonic-Electronic Spectral Stitching <b>2021</b> ,		1
159	Continuous-wave frequency upconversion with a molecular optomechanical nanocavity. <i>Science</i> , <b>2021</b> , 374, 1264-1267	33.3	11
158	Magnetic-free silicon nitride integrated optical isolator. <i>Nature Photonics</i> , <b>2021</b> , 15, 828-836	33.9	14
157	Ultrafast optical circuit switching for data centers using integrated soliton microcombs. <i>Nature Communications</i> , <b>2021</b> , 12, 5867	17.4	5
156	Automated wide-ranged finely tunable microwave cavity for narrowband phase noise filtering. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 034710	1.7	0
155	Low-Loss Integrated Nanophotonic Circuits with Layered Semiconductor Materials. <i>Nano Letters</i> , <b>2021</b> , 21, 2709-2718	11.5	10
154	High-yield, wafer-scale fabrication of ultralow-loss, dispersion-engineered silicon nitride photonic circuits. <i>Nature Communications</i> , <b>2021</b> , 12, 2236	17.4	38

153	A cryogenic electro-optic interconnect for superconducting devices. <i>Nature Electronics</i> , <b>2021</b> , 4, 326-332	28.4	2
152	Intrinsic luminescence blinking from plasmonic nanojunctions. <i>Nature Communications</i> , <b>2021</b> , 12, 2731	17.4	12
151	Photonic chip-based resonant supercontinuum via pulse-driven Kerr microresonator solitons. <i>Optica</i> , <b>2021</b> , 8, 771	8.6	7
150	Dissipative Kerr solitons in a photonic dimer on both sides of exceptional point. <i>Communications Physics</i> , <b>2021</b> , 4,	5.4	3
149	Laser soliton microcombs heterogeneously integrated on silicon. <i>Science</i> , <b>2021</b> , 373, 99-103	33.3	37
148	Nanofabrication meets open science. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 850-852	28.7	1
147	High-Q photonic chip-based temporal phase plates for electron microscopy. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 3132-3133	0.5	
146	Dynamics of soliton self-injection locking in optical microresonators. <i>Nature Communications</i> , <b>2021</b> , 12, 235	17.4	19
145	Soliton microcomb based spectral domain optical coherence tomography. <i>Nature Communications</i> , <b>2021</b> , 12, 427	17.4	7
144	Parallel convolutional processing using an integrated photonic tensor core. <i>Nature</i> , <b>2021</b> , 589, 52-58	50.4	177
143	Emergent nonlinear phenomena in a driven dissipative photonic dimer. <i>Nature Physics</i> , <b>2021</b> , 17, 604-610	16.2	9
142	Gain-switched semiconductor laser driven soliton microcombs. <i>Nature Communications</i> , <b>2021</b> , 12, 1425	17.4	11
141	Low-noise, Frequency-agile, Hybrid Integrated Lasers for LiDAR <b>2021</b> ,		3
140	Massively parallel coherent laser ranging using a soliton microcomb. <i>Nature</i> , <b>2020</b> , 581, 164-170	50.4	99
139	Controlling free electrons with optical whispering-gallery modes. <i>Nature</i> , <b>2020</b> , 582, 46-49	50.4	62
138	Heteronuclear soliton molecules in optical microresonators. <i>Nature Communications</i> , <b>2020</b> , 11, 2402	17.4	19
137	Integrated turnkey soliton microcombs. <i>Nature</i> , <b>2020</b> , 582, 365-369	50.4	111
136	Hybrid integrated photonics using bulk acoustic resonators. <i>Nature Communications</i> , <b>2020</b> , 11, 3073	17.4	29

135	Fractal-like Mechanical Resonators with a Soft-Clamped Fundamental Mode. <i>Physical Review Letters</i> , <b>2020</b> , 124, 025502	7.4	12
134	Ultralow-noise photonic microwave synthesis using a soliton microcomb-based transfer oscillator. <i>Nature Communications</i> , <b>2020</b> , 11, 374	17.4	37
133	Laser Cooling of a Nanomechanical Oscillator to Its Zero-Point Energy. <i>Physical Review Letters</i> , <b>2020</b> , 124, 173601	7.4	20
132	Formation and Collision of Multistability-Enabled Composite Dissipative Kerr Solitons. <i>Physical Review X</i> , <b>2020</b> , 10,	9.1	4
131	Wafer-scale fabrication of ultralow-loss silicon nitride nonlinear photonic circuits <b>2020</b> ,		1
130	Integrated turnkey soliton microcombs operated at CMOS frequencies <b>2020</b> ,		1
129	Hybrid Si <sub>3</sub> N <sub>4</sub> -LiNbO <sub>3</sub> integrated platform for electro-optic conversion <b>2020</b> ,		2
128	Laser Self-Injection Locked Frequency Combs in a Normal GVD Integrated Microresonator <b>2020</b> ,		1
127	Monolithic piezoelectric control of integrated soliton microcombs <b>2020</b> ,		1
126	Chip-based soliton microcomb module using a hybrid semiconductor laser. <i>Optics Express</i> , <b>2020</b> , 28, 27145-2721	5.3	11
125	Performance of chip-scale optical frequency comb generators in coherent WDM communications. <i>Optics Express</i> , <b>2020</b> , 28, 12897-12910	3.3	10
124	Parallel gas spectroscopy using mid-infrared supercontinuum from a single SiN waveguide. <i>Optics Letters</i> , <b>2020</b> , 45, 2195-2198	3	11
123	Nanophotonic supercontinuum-based mid-infrared dual-comb spectroscopy. <i>Optica</i> , <b>2020</b> , 7, 1181	8.6	16
122	Thermal intermodulation noise in cavity-based measurements. <i>Optica</i> , <b>2020</b> , 7, 1609	8.6	4
121	Broadband quasi-phase-matching in dispersion-engineered all-optically poled silicon nitride waveguides. <i>Photonics Research</i> , <b>2020</b> , 8, 1475	6	5
120	Dynamics of Soliton Microcomb Self-Injection Locking in a Silicon Nitride Microresonator <b>2020</b> ,		1
119	Kramers-Kronig detection of four 20 Gbaud 16-QAM channels using Kerr combs for a shared phase estimation. <i>Optics Letters</i> , <b>2020</b> , 45, 1794-1797	3	1
118	Toward Quantum Optics with Free Electrons. <i>Optics and Photonics News</i> , <b>2020</b> , 31, 35	1.9	

117	Chip-based frequency combs for wavelength-division multiplexing applications <b>2020</b> , 51-102		
116	Observation of Stimulated Brillouin Scattering in Silicon Nitride Integrated Waveguides. <i>Physical Review Letters</i> , <b>2020</b> , 124, 013902	7.4	33
115	Formation Rules and Dynamics of Photoinduced Gratings in Silicon Nitride Waveguides. <i>ACS Photonics</i> , <b>2020</b> , 7, 147-153	6.3	10
114	Integrated gallium phosphide nonlinear photonics. <i>Nature Photonics</i> , <b>2020</b> , 14, 57-62	33.9	90
113	Frequency division using a soliton-injected semiconductor gain-switched frequency comb. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	8
112	Monolithic piezoelectric control of soliton microcombs. <i>Nature</i> , <b>2020</b> , 583, 385-390	50.4	40
111	Nonlinear states and dynamics in a synthetic frequency dimension. <i>Physical Review A</i> , <b>2020</b> , 102,	2.6	6
110	Reconfigurable radiofrequency filters based on versatile soliton microcombs. <i>Nature Communications</i> , <b>2020</b> , 11, 4377	17.4	11
109	Molecular Platform for Frequency Upconversion at the Single-Photon Level. <i>Physical Review X</i> , <b>2020</b> , 10,	9.1	10
108	Photonic microwave generation in the X- and K-band using integrated soliton microcombs. <i>Nature Photonics</i> , <b>2020</b> , 14, 486-491	33.9	94
107	Dynamics of soliton crystals in optical microresonators. <i>Nature Physics</i> , <b>2019</b> , 15, 1071-1077	16.2	71
106	Demonstration of Multiple Kerr-Frequency-Comb Generation Using Different Lines From Another Kerr Comb Located Up To 50 km Away. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 579-584	4	9
105	Optical backaction-evading measurement of a mechanical oscillator. <i>Nature Communications</i> , <b>2019</b> , 10, 2086	17.4	27
104	Generalized dissipation dilution in strained mechanical resonators. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	20
103	Mid infrared gas spectroscopy using efficient fiber laser driven photonic chip-based supercontinuum. <i>Nature Communications</i> , <b>2019</b> , 10, 1553	17.4	60
102	Electrically pumped photonic integrated soliton microcomb. <i>Nature Communications</i> , <b>2019</b> , 10, 680	17.4	72
101	Thermorefractive noise in silicon-nitride microresonators. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	34
100	Two-Tone Optomechanical Instability and Its Fundamental Implications for Backaction-Evading Measurements. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	7

99	Heteronuclear Soliton Molecules in Optical Microresonators <b>2019</b> ,		2
98	High-rate photon pairs and sequential Time-Bin entanglement with SiN microring resonators. <i>Optics Express</i> , <b>2019</b> , 27, 19309-19318	3.3	18
97	Second- and third-order nonlinear wavelength conversion in an all-optically poled SiN waveguide. <i>Optics Letters</i> , <b>2019</b> , 44, 106-109	3	13
96	Orthogonally polarized frequency comb generation from a Kerr comb via cross-phase modulation. <i>Optics Letters</i> , <b>2019</b> , 44, 1472-1475	3	13
95	Thermally stable access to microresonator solitons via slow pump modulation. <i>Optics Letters</i> , <b>2019</b> , 44, 4447-4450	3	12
94	Visible-near-middle infrared spanning supercontinuum generation in a silicon nitride (Si <sub>3</sub> N <sub>4</sub> ) waveguide. <i>Optical Materials Express</i> , <b>2019</b> , 9, 2553	2.6	18
93	Electrically driven photonic integrated soliton microcomb <b>2019</b> ,		2
92	Reconfigurable optical generation of nine Nyquist WDM channels with sinc-shaped temporal pulse trains using a single microresonator-based Kerr frequency comb. <i>Optics Letters</i> , <b>2019</b> , 44, 1852-1855	3	6
91	Clamp-Tapering Increases the Quality Factor of Stressed Nanobeams. <i>Nano Letters</i> , <b>2019</b> , 19, 2329-2333	11.5	10
90	Photonic-chip-based frequency combs. <i>Nature Photonics</i> , <b>2019</b> , 13, 158-169	33.9	303
89	Polychromatic Cherenkov Radiation Induced Group Velocity Symmetry Breaking in Counterpropagating Dissipative Kerr Solitons. <i>Physical Review Letters</i> , <b>2019</b> , 123, 253902	7.4	9
88	Floquet dynamics in the quantum measurement of mechanical motion. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	7
87	Spectral Purification of Microwave Signals with Disciplined Dissipative Kerr Solitons. <i>Physical Review Letters</i> , <b>2019</b> , 122, 013902	7.4	31
86	A microphotonic astrocomb. <i>Nature Photonics</i> , <b>2019</b> , 13, 31-35	33.9	114
85	Ultrafast optical ranging using microresonator soliton frequency combs. <i>Science</i> , <b>2018</b> , 359, 887-891	33.3	274
84	An optical-frequency synthesizer using integrated photonics. <i>Nature</i> , <b>2018</b> , 557, 81-85	50.4	297
83	Mid-infrared frequency comb via coherent dispersive wave generation in silicon nitride nanophotonic waveguides. <i>Nature Photonics</i> , <b>2018</b> , 12, 330-335	33.9	119
82	Excitonic Emission of Monolayer Semiconductors Near-Field Coupled to High-Q Microresonators. <i>Nano Letters</i> , <b>2018</b> , 18, 3138-3146	11.5	32

81	Elastic strain engineering for ultralow mechanical dissipation. <i>Science</i> , <b>2018</b> , 360, 764-768	33.3	142
80	Quantum-Limited Directional Amplifiers with Optomechanics. <i>Physical Review Letters</i> , <b>2018</b> , 120, 023601	7.4	68
79	<b>2018</b> ,		3
78	Photonic chip-based soliton frequency combs covering the biological imaging window. <i>Nature Communications</i> , <b>2018</b> , 9, 1146	17.4	42
77	Highly efficient coupling of crystalline microresonators to integrated photonic waveguides. <i>Optics Letters</i> , <b>2018</b> , 43, 2106-2109	3	7
76	Double inverse nanotapers for efficient light coupling to integrated photonic devices. <i>Optics Letters</i> , <b>2018</b> , 43, 3200-3203	3	31
75	Effects of erbium-doped fiber amplifier induced pump noise on soliton Kerr frequency combs for 64-quadrature amplitude modulation transmission. <i>Optics Letters</i> , <b>2018</b> , 43, 2495-2498	3	6
74	Ultra-smooth silicon nitride waveguides based on the Damascene reflow process: fabrication and loss origins. <i>Optica</i> , <b>2018</b> , 5, 884	8.6	85
73	Nonreciprocity in Microwave Optomechanical Circuits. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1983-1987	3.8	2
72	Dissipative Kerr solitons in optical microresonators. <i>Science</i> , <b>2018</b> , 361,	33.3	455
71	Scalable and reconfigurable optical tapped-delay-line for multichannel equalization and correlation using nonlinear wave mixing and a Kerr frequency comb. <i>Optics Letters</i> , <b>2018</b> , 43, 5563-5566	3	10
70	Ultralow-power chip-based soliton microcombs for photonic integration. <i>Optica</i> , <b>2018</b> , 5, 1347	8.6	83
69	From the Lugiato-Lefever equation to microresonator-based soliton Kerr frequency combs. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 376,	3	44
68	Spatial multiplexing of soliton microcombs. <i>Nature Photonics</i> , <b>2018</b> , 12, 699-705	33.9	53
67	Quantum Motional Sideband Asymmetry in the Presence of Kerr-Type Nonlinearities <b>2018</b> ,		2
66	Photonic Damascene Process for Low-Loss, High-Confinement Silicon Nitride Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2018</b> , 24, 1-11	3.8	54
65	Appearance and Disappearance of Quantum Correlations in Measurement-Based Feedback Control of a Mechanical Oscillator. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	38
64	Coupling Ideality of Integrated Planar High-Q Microresonators. <i>Physical Review Applied</i> , <b>2017</b> , 7,	4.3	42

63	Self-referenced photonic chip soliton Kerr frequency comb. <i>Light: Science and Applications</i> , <b>2017</b> , 6, e162027	16.2	53
62	A dissipative quantum reservoir for microwave light using a mechanical oscillator. <i>Nature Physics</i> , <b>2017</b> , 13, 787-793	16.2	53
61	Microresonator-based solitons for massively parallel coherent optical communications. <i>Nature</i> , <b>2017</b> , 546, 274-279	50.4	427
60	Radiation and Internal Loss Engineering of High-Stress Silicon Nitride Nanobeams. <i>Nano Letters</i> , <b>2017</b> , 17, 3501-3505	11.5	22
59	Breathing dissipative solitons in optical microresonators. <i>Nature Communications</i> , <b>2017</b> , 8, 736	17.4	77
58	Large second harmonic generation enhancement in SiN waveguides by all-optically induced quasi-phase-matching. <i>Nature Communications</i> , <b>2017</b> , 8, 1016	17.4	46
57	Soliton dual frequency combs in crystalline microresonators. <i>Optics Letters</i> , <b>2017</b> , 42, 514-517	3	58
56	Dynamics of soliton crystals in optical microresonators <b>2017</b> ,		3
55	Heterogeneous integration of lithium niobate and silicon nitride waveguides for wafer-scale photonic integrated circuits on silicon. <i>Optics Letters</i> , <b>2017</b> , 42, 803-806	3	89
54	Pump-linewidth-tolerant wavelength multicasting using soliton Kerr frequency combs. <i>Optics Letters</i> , <b>2017</b> , 42, 3177-3180	3	9
53	Dependence of a microresonator Kerr frequency comb on the pump linewidth. <i>Optics Letters</i> , <b>2017</b> , 42, 779-782	3	13
52	Nonreciprocal reconfigurable microwave optomechanical circuit. <i>Nature Communications</i> , <b>2017</b> , 8, 604	17.4	149
51	Detuning-dependent properties and dispersion-induced instabilities of temporal dissipative Kerr solitons in optical microresonators. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	28
50	Universal dynamics and deterministic switching of dissipative Kerr solitons in optical microresonators. <i>Nature Physics</i> , <b>2017</b> , 13, 94-102	16.2	181
49	Tunable insertion of multiple lines into a Kerr frequency comb using electro-optical modulators. <i>Optics Letters</i> , <b>2017</b> , 42, 3765-3768	3	7
48	Octave-spanning dissipative Kerr soliton frequency combs in Si <sub>3</sub> N <sub>4</sub> microresonators. <i>Optica</i> , <b>2017</b> , 4, 684	8.6	132
47	Dual-pump generation of high-coherence primary Kerr combs with multiple sub-lines. <i>Optics Letters</i> , <b>2017</b> , 42, 595-598	3	10
46	Raman Self-Frequency Shift of Dissipative Kerr Solitons in an Optical Microresonator. <i>Physical Review Letters</i> , <b>2016</b> , 116, 103902	7.4	122



45	Frequency-comb-assisted broadband precision spectroscopy with cascaded diode lasers. <i>Optics Letters</i> , <b>2016</b> , 41, 3134-7	3	15
44	Near-Field Integration of a SiN Nanobeam and a SiO <sub>2</sub> Microcavity for Heisenberg-Limited Displacement Sensing. <i>Physical Review Applied</i> , <b>2016</b> , 5,	4.3	35
43	On-chip microwave-to-optical quantum coherent converter based on a superconducting resonator coupled to an electro-optic microresonator. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	46
42	Higher order mode suppression in high-Q anomalous dispersion SiN microresonators for temporal dissipative Kerr soliton formation. <i>Optics Letters</i> , <b>2016</b> , 41, 452-5	3	44
41	Photonic chip-based optical frequency comb using soliton Cherenkov radiation. <i>Science</i> , <b>2016</b> , 351, 357-60,	99.3	372
40	Molecular cavity optomechanics as a theory of plasmon-enhanced Raman scattering. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 164-9	28.7	148
39	Bringing short-lived dissipative Kerr soliton states in microresonators into a steady state. <i>Optics Express</i> , <b>2016</b> , 24, 29312-29320	3.3	50
38	Harmonization of chaos into a soliton in Kerr frequency combs. <i>Optics Express</i> , <b>2016</b> , 24, 27382-27394	3.3	28
37	A strongly coupled E-type micromechanical system. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 153105	3.4	16
36	Photonic Damascene process for integrated high-Q microresonator based nonlinear photonics. <i>Optica</i> , <b>2016</b> , 3, 20	8.6	154
35	Plasmomechanical Resonators Based on Dimer Nanoantennas. <i>Nano Letters</i> , <b>2015</b> , 15, 3971-6	11.5	32
34	Frequency combs and platicons in optical microresonators with normal GVD. <i>Optics Express</i> , <b>2015</b> , 23, 7713-21	3.3	78
33	Counting the cycles of light using a self-referenced optical microresonator. <i>Optica</i> , <b>2015</b> , 2, 706	8.6	61
32	Measurement-based control of a mechanical oscillator at its thermal decoherence rate. <i>Nature</i> , <b>2015</b> , 524, 325-9	50.4	171
31	Dissipative Kerr Solitons in Optical Microresonators <b>2015</b> , 129-162		6
30	All-optical stabilization of a soliton frequency comb in a crystalline microresonator. <i>Optics Letters</i> , <b>2015</b> , 40, 4723-6	3	13
29	Temporal solitons in optical microresonators. <i>Nature Photonics</i> , <b>2014</b> , 8, 145-152	33.9	816
28	Mode spectrum and temporal soliton formation in optical microresonators. <i>Physical Review Letters</i> , <b>2014</b> , 113, 123901	7.4	153

27	Coherent terabit communications with microresonator Kerr frequency combs. <i>Nature Photonics</i> , <b>2014</b> , 8, 375-380	33.9	358
26	Cavity optomechanics. <i>Reviews of Modern Physics</i> , <b>2014</b> , 86, 1391-1452	40.5	2824
25	Radiation hardness of high-Q silicon nitride microresonators for space compatible integrated optics. <i>Optics Express</i> , <b>2014</b> , 22, 30786-94	3.3	27
24	Phase noise measurement of external cavity diode lasers and implications for optomechanical sideband cooling of GHz mechanical modes. <i>New Journal of Physics</i> , <b>2013</b> , 15, 015019	2.9	18
23	Mid-infrared optical frequency combs at 2.5 $\mu\text{m}$ based on crystalline microresonators. <i>Nature Communications</i> , <b>2013</b> , 4, 1345	17.4	188
22	Slowing, advancing and switching of microwave signals using circuit nanoelectromechanics. <i>Nature Physics</i> , <b>2013</b> , 9, 179-184	16.2	128
21	Universal formation dynamics and noise of Kerr-frequency combs in microresonators. <i>Nature Photonics</i> , <b>2012</b> , 6, 480-487	33.9	358
20	Dispersion engineering of thick high-Q silicon nitride ring-resonators via atomic layer deposition. <i>Optics Express</i> , <b>2012</b> , 20, 27661-9	3.3	72
19	Microresonator-based optical frequency combs. <i>Science</i> , <b>2011</b> , 332, 555-9	33.3	1091
18	Octave spanning tunable frequency comb from a microresonator. <i>Physical Review Letters</i> , <b>2011</b> , 107, 063901	7.4	225
17	Optomechanically induced transparency. <i>Science</i> , <b>2010</b> , 330, 1520-3	33.3	1072
16	Determination of the vacuum optomechanical coupling rate using frequency noise calibration. <i>Optics Express</i> , <b>2010</b> , 18, 23236-46	3.3	94
15	Measuring nanomechanical motion with an imprecision below the standard quantum limit. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	110
14	Frequency comb assisted diode laser spectroscopy for measurement of microcavity dispersion. <i>Nature Photonics</i> , <b>2009</b> , 3, 529-533	33.9	151
13	Near-field cavity optomechanics with nanomechanical oscillators. <i>Nature Physics</i> , <b>2009</b> , 5, 909-914	16.2	347
12	Optical frequency comb generation from a monolithic microresonator. <i>Nature</i> , <b>2007</b> , 450, 1214-7	50.4	1151
11	Observation of strong coupling between one atom and a monolithic microresonator. <i>Nature</i> , <b>2006</b> , 443, 671-4	50.4	568
10	Analysis of radiation-pressure induced mechanical oscillation of an optical microcavity. <i>Physical Review Letters</i> , <b>2005</b> , 95, 033901	7.4	496

9	Temporal behavior of radiation-pressure-induced vibrations of an optical microcavity phonon mode. <i>Physical Review Letters</i> , <b>2005</b> , 94, 223902	7-4	359
8	Demonstration of ultra-high-Q small mode volume toroid microcavities on a chip. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 6113-6115	3-4	145
7	Kerr-nonlinearity optical parametric oscillation in an ultrahigh-Q toroid microcavity. <i>Physical Review Letters</i> , <b>2004</b> , 93, 083904	7-4	409
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