

Tobias J Kippenberg

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4027847/tobias-j-kippenberg-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Cavity optomechanics. <i>Reviews of Modern Physics</i> , 2014 , 86, 1391-1452	40.5	2824
169	Optical frequency comb generation from a monolithic microresonator. <i>Nature</i> , 2007 , 450, 1214-7	50.4	1151
168	Microresonator-based optical frequency combs. <i>Science</i> , 2011 , 332, 555-9	33.3	1091
167	Optomechanically induced transparency. <i>Science</i> , 2010 , 330, 1520-3	33.3	1072
166	Temporal solitons in optical microresonators. <i>Nature Photonics</i> , 2014 , 8, 145-152	33.9	816
165	Observation of strong coupling between one atom and a monolithic microresonator. <i>Nature</i> , 2006 , 443, 671-4	50.4	568
164	Analysis of radiation-pressure induced mechanical oscillation of an optical microcavity. <i>Physical Review Letters</i> , 2005 , 95, 033901	7.4	496
163	Dissipative Kerr solitons in optical microresonators. <i>Science</i> , 2018 , 361,	33.3	455
162	Microresonator-based solitons for massively parallel coherent optical communications. <i>Nature</i> , 2017 , 546, 274-279	50.4	427
161	Kerr-nonlinearity optical parametric oscillation in an ultrahigh-Q toroid microcavity. <i>Physical Review Letters</i> , 2004 , 93, 083904	7.4	409
160	Photonic chip-based optical frequency comb using soliton Cherenkov radiation. <i>Science</i> , 2016 , 351, 357-60	33.3	372
159	Temporal behavior of radiation-pressure-induced vibrations of an optical microcavity phonon mode. <i>Physical Review Letters</i> , 2005 , 94, 223902	7.4	359
158	Coherent terabit communications with microresonator Kerr frequency combs. <i>Nature Photonics</i> , 2014 , 8, 375-380	33.9	358
157	Universal formation dynamics and noise of Kerr-frequency combs in microresonators. <i>Nature Photonics</i> , 2012 , 6, 480-487	33.9	358
156	Near-field cavity optomechanics with nanomechanical oscillators. <i>Nature Physics</i> , 2009 , 5, 909-914	16.2	347
155	Photonic-chip-based frequency combs. <i>Nature Photonics</i> , 2019 , 13, 158-169	33.9	303
154	An optical-frequency synthesizer using integrated photonics. <i>Nature</i> , 2018 , 557, 81-85	50.4	297

153	Ultrafast optical ranging using microresonator soliton frequency combs. <i>Science</i> , 2018 , 359, 887-891	33.3	274
152	Modal coupling in traveling-wave resonators. <i>Optics Letters</i> , 2002 , 27, 1669-71	3	247
151	Octave spanning tunable frequency comb from a microresonator. <i>Physical Review Letters</i> , 2011 , 107, 063901	7.4	225
150	Mid-infrared optical frequency combs at 2.5 THz based on crystalline microresonators. <i>Nature Communications</i> , 2013 , 4, 1345	17.4	188
149	Universal dynamics and deterministic switching of dissipative Kerr solitons in optical microresonators. <i>Nature Physics</i> , 2017 , 13, 94-102	16.2	181
148	Parallel convolutional processing using an integrated photonic tensor core. <i>Nature</i> , 2021 , 589, 52-58	50.4	177
147	Measurement-based control of a mechanical oscillator at its thermal decoherence rate. <i>Nature</i> , 2015 , 524, 325-9	50.4	171
146	Photonic Damascene process for integrated high-Q microresonator based nonlinear photonics. <i>Optica</i> , 2016 , 3, 20	8.6	154
145	Mode spectrum and temporal soliton formation in optical microresonators. <i>Physical Review Letters</i> , 2014 , 113, 123901	7.4	153
144	Frequency comb assisted diode laser spectroscopy for measurement of microcavity dispersion. <i>Nature Photonics</i> , 2009 , 3, 529-533	33.9	151
143	Nonreciprocal reconfigurable microwave optomechanical circuit. <i>Nature Communications</i> , 2017 , 8, 604	17.4	149
142	Molecular cavity optomechanics as a theory of plasmon-enhanced Raman scattering. <i>Nature Nanotechnology</i> , 2016 , 11, 164-9	28.7	148
141	Demonstration of ultra-high-Q small mode volume toroid microcavities on a chip. <i>Applied Physics Letters</i> , 2004 , 85, 6113-6115	3.4	145
140	Elastic strain engineering for ultralow mechanical dissipation. <i>Science</i> , 2018 , 360, 764-768	33.3	142
139	Octave-spanning dissipative Kerr soliton frequency combs in Si ₃ N ₄ microresonators. <i>Optica</i> , 2017 , 4, 684	8.6	132
138	Slowing, advancing and switching of microwave signals using circuit nanoelectromechanics. <i>Nature Physics</i> , 2013 , 9, 179-184	16.2	128
137	Raman Self-Frequency Shift of Dissipative Kerr Solitons in an Optical Microresonator. <i>Physical Review Letters</i> , 2016 , 116, 103902	7.4	122
136	Ultralow-threshold erbium-implanted toroidal microlaser on silicon. <i>Applied Physics Letters</i> , 2004 , 84, 1037-1039	3.4	121

135	Mid-infrared frequency comb via coherent dispersive wave generation in silicon nitride nanophotonic waveguides. <i>Nature Photonics</i> , 2018 , 12, 330-335	33.9	119
134	A microphotonic astrocomb. <i>Nature Photonics</i> , 2019 , 13, 31-35	33.9	114
133	Integrated turnkey soliton microcombs. <i>Nature</i> , 2020 , 582, 365-369	50.4	111
132	Measuring nanomechanical motion with an imprecision below the standard quantum limit. <i>Physical Review A</i> , 2010 , 82,	2.6	110
131	Fabrication and coupling to planar high-Q silica disk microcavities. <i>Applied Physics Letters</i> , 2003 , 83, 797-799	3.4	106
130	Ultralow-threshold microcavity Raman laser on a microelectronic chip. <i>Optics Letters</i> , 2004 , 29, 1224-6	3	101
129	Massively parallel coherent laser ranging using a soliton microcomb. <i>Nature</i> , 2020 , 581, 164-170	50.4	99
128	Determination of the vacuum optomechanical coupling rate using frequency noise calibration. <i>Optics Express</i> , 2010 , 18, 23236-46	3.3	94
127	Photonic microwave generation in the X- and K-band using integrated soliton microcombs. <i>Nature Photonics</i> , 2020 , 14, 486-491	33.9	94
126	Integrated gallium phosphide nonlinear photonics. <i>Nature Photonics</i> , 2020 , 14, 57-62	33.9	90
125	Heterogeneous integration of lithium niobate and silicon nitride waveguides for wafer-scale photonic integrated circuits on silicon. <i>Optics Letters</i> , 2017 , 42, 803-806	3	89
124	Ultra-smooth silicon nitride waveguides based on the Damascene reflow process: fabrication and loss origins. <i>Optica</i> , 2018 , 5, 884	8.6	85
123	Ultralow-power chip-based soliton microcombs for photonic integration. <i>Optica</i> , 2018 , 5, 1347	8.6	83
122	Frequency combs and platicons in optical microresonators with normal GVD. <i>Optics Express</i> , 2015 , 23, 7713-21	3.3	78
121	Breathing dissipative solitons in optical microresonators. <i>Nature Communications</i> , 2017 , 8, 736	17.4	77
120	Electrically pumped photonic integrated soliton microcomb. <i>Nature Communications</i> , 2019 , 10, 680	17.4	72
119	Dispersion engineering of thick high-Q silicon nitride ring-resonators via atomic layer deposition. <i>Optics Express</i> , 2012 , 20, 27661-9	3.3	72
118	Dynamics of soliton crystals in optical microresonators. <i>Nature Physics</i> , 2019 , 15, 1071-1077	16.2	71

117	Self-referenced photonic chip soliton Kerr frequency comb. <i>Light: Science and Applications</i> , 2017 , 6, e162027	20.7	68
116	Quantum-Limited Directional Amplifiers with Optomechanics. <i>Physical Review Letters</i> , 2018 , 120, 023601	7.4	68
115	Controlling free electrons with optical whispering-gallery modes. <i>Nature</i> , 2020 , 582, 46-49	50.4	62
114	Counting the cycles of light using a self-referenced optical microresonator. <i>Optica</i> , 2015 , 2, 706	8.6	61
113	Mid infrared gas spectroscopy using efficient fiber laser driven photonic chip-based supercontinuum. <i>Nature Communications</i> , 2019 , 10, 1553	17.4	60
112	Soliton dual frequency combs in crystalline microresonators. <i>Optics Letters</i> , 2017 , 42, 514-517	3	58
111	Photonic Damascene Process for Low-Loss, High-Confinement Silicon Nitride Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018 , 24, 1-11	3.8	54
110	A dissipative quantum reservoir for microwave light using a mechanical oscillator. <i>Nature Physics</i> , 2017 , 13, 787-793	16.2	53
109	Spatial multiplexing of soliton microcombs. <i>Nature Photonics</i> , 2018 , 12, 699-705	33.9	53
108	Bringing short-lived dissipative Kerr soliton states in microresonators into a steady state. <i>Optics Express</i> , 2016 , 24, 29312-29320	3.3	50
107	Large second harmonic generation enhancement in SiN waveguides by all-optically induced quasi-phase-matching. <i>Nature Communications</i> , 2017 , 8, 1016	17.4	46
106	On-chip microwave-to-optical quantum coherent converter based on a superconducting resonator coupled to an electro-optic microresonator. <i>Physical Review A</i> , 2016 , 94,	2.6	46
105	Higher order mode suppression in high-Q anomalous dispersion SiN microresonators for temporal dissipative Kerr soliton formation. <i>Optics Letters</i> , 2016 , 41, 452-5	3	44
104	From the Lugiato-Lefever equation to microresonator-based soliton Kerr frequency combs. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	44
103	Coupling Ideality of Integrated Planar High-Q Microresonators. <i>Physical Review Applied</i> , 2017 , 7,	4.3	42
102	Photonic chip-based soliton frequency combs covering the biological imaging window. <i>Nature Communications</i> , 2018 , 9, 1146	17.4	42
101	Monolithic piezoelectric control of soliton microcombs. <i>Nature</i> , 2020 , 583, 385-390	50.4	40
100	Appearance and Disappearance of Quantum Correlations in Measurement-Based Feedback Control of a Mechanical Oscillator. <i>Physical Review X</i> , 2017 , 7,	9.1	38

99	High-yield, wafer-scale fabrication of ultralow-loss, dispersion-engineered silicon nitride photonic circuits. <i>Nature Communications</i> , 2021 , 12, 2236	17.4	38
98	Ultralow-noise photonic microwave synthesis using a soliton microcomb-based transfer oscillator. <i>Nature Communications</i> , 2020 , 11, 374	17.4	37
97	Laser soliton microcombs heterogeneously integrated on silicon. <i>Science</i> , 2021 , 373, 99-103	33.3	37
96	Near-Field Integration of a SiN Nanobeam and a SiO ₂ Microcavity for Heisenberg-Limited Displacement Sensing. <i>Physical Review Applied</i> , 2016 , 5,	4.3	35
95	Thermorefractive noise in silicon-nitride microresonators. <i>Physical Review A</i> , 2019 , 99,	2.6	34
94	Observation of Stimulated Brillouin Scattering in Silicon Nitride Integrated Waveguides. <i>Physical Review Letters</i> , 2020 , 124, 013902	7.4	33
93	Plasmomechanical Resonators Based on Dimer Nanoantennas. <i>Nano Letters</i> , 2015 , 15, 3971-6	11.5	32
92	Excitonic Emission of Monolayer Semiconductors Near-Field Coupled to High-Q Microresonators. <i>Nano Letters</i> , 2018 , 18, 3138-3146	11.5	32
91	Double inverse nanotapers for efficient light coupling to integrated photonic devices. <i>Optics Letters</i> , 2018 , 43, 3200-3203	3	31
90	Spectral Purification of Microwave Signals with Disciplined Dissipative Kerr Solitons. <i>Physical Review Letters</i> , 2019 , 122, 013902	7.4	31
89	Hybrid integrated photonics using bulk acoustic resonators. <i>Nature Communications</i> , 2020 , 11, 3073	17.4	29
88	Detuning-dependent properties and dispersion-induced instabilities of temporal dissipative Kerr solitons in optical microresonators. <i>Physical Review A</i> , 2017 , 95,	2.6	28
87	Harmonization of chaos into a soliton in Kerr frequency combs. <i>Optics Express</i> , 2016 , 24, 27382-27394	3.3	28
86	Optical backaction-evading measurement of a mechanical oscillator. <i>Nature Communications</i> , 2019 , 10, 2086	17.4	27
85	Radiation hardness of high-Q silicon nitride microresonators for space compatible integrated optics. <i>Optics Express</i> , 2014 , 22, 30786-94	3.3	27
84	Radiation and Internal Loss Engineering of High-Stress Silicon Nitride Nanobeams. <i>Nano Letters</i> , 2017 , 17, 3501-3505	11.5	22
83	Generalized dissipation dilution in strained mechanical resonators. <i>Physical Review B</i> , 2019 , 99,	3.3	20
82	Laser Cooling of a Nanomechanical Oscillator to Its Zero-Point Energy. <i>Physical Review Letters</i> , 2020 , 124, 173601	7.4	20

81	Heteronuclear soliton molecules in optical microresonators. <i>Nature Communications</i> , 2020 , 11, 2402	17.4	19
80	Dynamics of soliton self-injection locking in optical microresonators. <i>Nature Communications</i> , 2021 , 12, 235	17.4	19
79	Phase noise measurement of external cavity diode lasers and implications for optomechanical sideband cooling of GHz mechanical modes. <i>New Journal of Physics</i> , 2013 , 15, 015019	2.9	18
78	High-rate photon pairs and sequential Time-Bin entanglement with SiN microring resonators. <i>Optics Express</i> , 2019 , 27, 19309-19318	3.3	18
77	Visible-near-middle infrared spanning supercontinuum generation in a silicon nitride (Si ₃ N ₄) waveguide. <i>Optical Materials Express</i> , 2019 , 9, 2553	2.6	18
76	Nanophotonic supercontinuum-based mid-infrared dual-comb spectroscopy. <i>Optica</i> , 2020 , 7, 1181	8.6	16
75	A strongly coupled E-type micromechanical system. <i>Applied Physics Letters</i> , 2016 , 108, 153105	3.4	16
74	Frequency-comb-assisted broadband precision spectroscopy with cascaded diode lasers. <i>Optics Letters</i> , 2016 , 41, 3134-7	3	15
73	Magnetic-free silicon nitride integrated optical isolator. <i>Nature Photonics</i> , 2021 , 15, 828-836	33.9	14
72	Dependence of a microresonator Kerr frequency comb on the pump linewidth. <i>Optics Letters</i> , 2017 , 42, 779-782	3	13
71	All-optical stabilization of a soliton frequency comb in a crystalline microresonator. <i>Optics Letters</i> , 2015 , 40, 4723-6	3	13
70	Second- and third-order nonlinear wavelength conversion in an all-optically poled SiN waveguide. <i>Optics Letters</i> , 2019 , 44, 106-109	3	13
69	Orthogonally polarized frequency comb generation from a Kerr comb via cross-phase modulation. <i>Optics Letters</i> , 2019 , 44, 1472-1475	3	13
68	Fractal-like Mechanical Resonators with a Soft-Clamped Fundamental Mode. <i>Physical Review Letters</i> , 2020 , 124, 025502	7.4	12
67	Thermally stable access to microresonator solitons via slow pump modulation. <i>Optics Letters</i> , 2019 , 44, 4447-4450	3	12
66	Intrinsic luminescence blinking from plasmonic nanojunctions. <i>Nature Communications</i> , 2021 , 12, 2731	17.4	12
65	Chip-based soliton microcomb module using a hybrid semiconductor laser. <i>Optics Express</i> , 2020 , 28, 2714-2721	5.3	11
64	Parallel gas spectroscopy using mid-infrared supercontinuum from a single SiN waveguide. <i>Optics Letters</i> , 2020 , 45, 2195-2198	3	11

63	Continuous-wave frequency upconversion with a molecular optomechanical nanocavity. <i>Science</i> , 2021 , 374, 1264-1267	33.3	11
62	Reconfigurable radiofrequency filters based on versatile soliton microcombs. <i>Nature Communications</i> , 2020 , 11, 4377	17.4	11
61	Gain-switched semiconductor laser driven soliton microcombs. <i>Nature Communications</i> , 2021 , 12, 1425	17.4	11
60	Dual-pump generation of high-coherence primary Kerr combs with multiple sub-lines. <i>Optics Letters</i> , 2017 , 42, 595-598	3	10
59	Performance of chip-scale optical frequency comb generators in coherent WDM communications. <i>Optics Express</i> , 2020 , 28, 12897-12910	3.3	10
58	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> , 2018 , 43, 5563-5566	3	10
57	Formation Rules and Dynamics of Photoinduced Gratings in Silicon Nitride Waveguides. <i>ACS Photonics</i> , 2020 , 7, 147-153	6.3	10
56	Molecular Platform for Frequency Upconversion at the Single-Photon Level. <i>Physical Review X</i> , 2020 , 10,	9.1	10
55	Low-Loss Integrated Nanophotonic Circuits with Layered Semiconductor Materials. <i>Nano Letters</i> , 2021 , 21, 2709-2718	11.5	10
54	Clamp-Tapering Increases the Quality Factor of Stressed Nanobeams. <i>Nano Letters</i> , 2019 , 19, 2329-2333	11.5	10
53	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> , 2019 , 37, 579-584	4	9
52	Pump-linewidth-tolerant wavelength multicasting using soliton Kerr frequency combs. <i>Optics Letters</i> , 2017 , 42, 3177-3180	3	9
51	Polychromatic Cherenkov Radiation Induced Group Velocity Symmetry Breaking in Counterpropagating Dissipative Kerr Solitons. <i>Physical Review Letters</i> , 2019 , 123, 253902	7.4	9
50	Emergent nonlinear phenomena in a driven dissipative photonic dimer. <i>Nature Physics</i> , 2021 , 17, 604-610	6.2	9
49	Roadmap on multimode light shaping. <i>Journal of Optics (United Kingdom)</i> ,	1.7	8
48	Frequency division using a soliton-injected semiconductor gain-switched frequency comb. <i>Science Advances</i> , 2020 , 6,	14.3	8
47	Platicon microcomb generation using laser self-injection locking.. <i>Nature Communications</i> , 2022 , 13, 1771	17.4	8
46	Highly efficient coupling of crystalline microresonators to integrated photonic waveguides. <i>Optics Letters</i> , 2018 , 43, 2106-2109	3	7

45	Two-Tone Optomechanical Instability and Its Fundamental Implications for Backaction-Evading Measurements. <i>Physical Review X</i> , 2019 , 9,	9.1	7
44	Tunable insertion of multiple lines into a Kerr frequency comb using electro-optical modulators. <i>Optics Letters</i> , 2017 , 42, 3765-3768	3	7
43	Photonic chip-based resonant supercontinuum via pulse-driven Kerr microresonator solitons. <i>Optica</i> , 2021 , 8, 771	8.6	7
42	Floquet dynamics in the quantum measurement of mechanical motion. <i>Physical Review A</i> , 2019 , 100,	2.6	7
41	Soliton microcomb based spectral domain optical coherence tomography. <i>Nature Communications</i> , 2021 , 12, 427	17.4	7
40	Effects of erbium-doped fiber amplifier induced pump noise on soliton Kerr frequency combs for 64-quadrature amplitude modulation transmission. <i>Optics Letters</i> , 2018 , 43, 2495-2498	3	6
39	Dissipative Kerr Solitons in Optical Microresonators 2015 , 129-162		6
38	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> , 2019 , 44, 1852-1855	3	6
37	Nonlinear states and dynamics in a synthetic frequency dimension. <i>Physical Review A</i> , 2020 , 102,	2.6	6
36	Compact, spatial-mode-interaction-free, ultralow-loss, nonlinear photonic integrated circuits. <i>Communications Physics</i> , 2022 , 5,	5.4	6
35	Broadband quasi-phase-matching in dispersion-engineered all-optically poled silicon nitride waveguides. <i>Photonics Research</i> , 2020 , 8, 1475	6	5
34	Ultrafast optical circuit switching for data centers using integrated soliton microcombs. <i>Nature Communications</i> , 2021 , 12, 5867	17.4	5
33	Formation and Collision of Multistability-Enabled Composite Dissipative Kerr Solitons. <i>Physical Review X</i> , 2020 , 10,	9.1	4
32	Integrated photonics enables continuous-beam electron phase modulation.. <i>Nature</i> , 2021 , 600, 653-658	50.4	4
31	Thermal intermodulation noise in cavity-based measurements. <i>Optica</i> , 2020 , 7, 1609	8.6	4
30	Dynamics of soliton crystals in optical microresonators 2017 ,		3
29	2018 ,		3
28	Dissipative Kerr solitons in a photonic dimer on both sides of exceptional point. <i>Communications Physics</i> , 2021 , 4,	5.4	3

27	Low-noise, Frequency-agile, Hybrid Integrated Lasers for LiDAR 2021 ,		3
26	Strained crystalline nanomechanical resonators with quality factors above 10 billion. <i>Nature Physics</i> , 2022 , 18, 436-441	16.2	3
25	Hierarchical tensile structures with ultralow mechanical dissipation. <i>Nature Communications</i> , 2022 , 13,	17.4	3
24	Nonreciprocity in Microwave Optomechanical Circuits. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1983-1987	3.8	2
23	Polarization selective ultra-broadband wavelength conversion in silicon nitride waveguides.. <i>Optics Express</i> , 2022 , 30, 4342-4350	3.3	2
22	Heteronuclear Soliton Molecules in Optical Microresonators 2019 ,		2
21	Hybrid Si3N4-LiNbO3 integrated platform for electro-optic conversion 2020 ,		2
20	Electrically driven photonic integrated soliton microcomb 2019 ,		2
19	A cryogenic electro-optic interconnect for superconducting devices. <i>Nature Electronics</i> , 2021 , 4, 326-332	28.4	2
18	Quantum Motional Sideband Asymmetry in the Presence of Kerr-Type Nonlinearities 2018 ,		2
17	Microwave-to-optical conversion with a gallium phosphide photonic crystal cavity.. <i>Nature Communications</i> , 2022 , 13, 2065	17.4	2
16	Wafer-scale fabrication of ultralow-loss silicon nitride nonlinear photonic circuits 2020 ,		1
15	Integrated turnkey soliton microcombs operated at CMOS frequencies 2020 ,		1
14	Laser Self-Injection Locked Frequency Combs in a Normal GVD Integrated Microresonator 2020 ,		1
13	Monolithic piezoelectric control of integrated soliton microcombs 2020 ,		1
12	Dynamics of Soliton Microcomb Self-Injection Locking in a Silicon Nitride Microresonator 2020 ,		1
11	Kramers-Kronig detection of four 20 Gbaud 16-QAM channels using Kerr combs for a shared phase estimation. <i>Optics Letters</i> , 2020 , 45, 1794-1797	3	1
10	320 GHz Analog-to-Digital Converter Exploiting Kerr Soliton Combs and Photonic-Electronic Spectral Stitching 2021 ,		1

9	Nanofabrication meets open science. <i>Nature Nanotechnology</i> , 2021 , 16, 850-852	28.7	1
8	Protected generation of dissipative Kerr solitons in supermodes of coupled optical microresonators.. <i>Science Advances</i> , 2022 , 8, eabm6982	14.3	1
7	Near ultraviolet photonic integrated lasers based on silicon nitride. <i>APL Photonics</i> , 2022 , 7, 046108	5.2	1
6	Automated wide-ranged finely tunable microwave cavity for narrowband phase noise filtering. <i>Review of Scientific Instruments</i> , 2021 , 92, 034710	1.7	0
5	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> , 2022 , 30, 16712	3.3	0
4	FABRICATION, COUPLING AND NONLINEAR OPTICS OF ULTRA-HIGH-Q MICRO-SPHERE AND CHIP-BASED TOROID MICROCAVITIES. <i>Advanced Series in Applied Physics</i> , 2004 , 177-238		
3	Toward Quantum Optics with Free Electrons. <i>Optics and Photonics News</i> , 2020 , 31, 35	1.9	
2	Chip-based frequency combs for wavelength-division multiplexing applications 2020 , 51-102		
1	High-Q photonic chip-based temporal phase plates for electron microscopy. <i>Microscopy and Microanalysis</i> , 2021 , 27, 3132-3133	0.5	