

Andrey B Matsko

List of Publications by Year in descending order

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309
papers

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103
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all docs

310
docs citations

310
times ranked

6784
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband quantum back action evading measurements of a resonant force. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 424, 127849.	2.1	0
2	W-Band Photonic Receiver for Compact Cloud Radars. Sensors, 2022, 22, 804.	3.8	3
3	All-optical dissipative discrete time crystals. Nature Communications, 2022, 13, 848.	12.8	44
4	Back action evading electro-optical transducer. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 1103.	2.1	2
5	Measurement of sub-fm/Hz ^{1/2} displacement spectral densities in ultrahigh-Q single-crystal microcavities with hertz-level lasers. Photonics Research, 2022, 10, 1202.	7.0	4
6	Dissipative discrete time crystals in a pump-modulated Kerr microcavity. Communications Physics, 2022, 5, .	5.3	6
7	Gating Artefact in the Coupled-Wave-Equations Modeling of Classical and Quantum Kerr Nonlinear Effects. , 2021, , .		0
8	Oscillatory motion of a counterpropagating Kerr soliton dimer. Physical Review A, 2021, 103, .	2.5	9
9	Quantum diffusion of microcavity solitons. Nature Physics, 2021, 17, 462-466.	16.7	30
10	Stabilized photonic links for space applications. Applied Optics, 2021, 60, 3487.	1.8	1
11	A low-noise photonic heterodyne synthesizer and its application to millimeter-wave radar. Nature Communications, 2021, 12, 4397.	12.8	39
12	Broadband dichromatic variational measurement. Physical Review A, 2021, 104, .	2.5	2
13	Mirror-Assisted Self-Injection Locking of a Laser to a Whispering-Gallery-Mode Microresonator. Physical Review Applied, 2021, 16, .	3.8	8
14	Application of a self-injection locked cyan laser for Barium ion cooling and spectroscopy. Scientific Reports, 2020, 10, 16494.	3.3	7
15	Optimization of Laser Stabilization via Self-Injection Locking to a Whispering-Gallery-Mode Microresonator. Physical Review Applied, 2020, 14, .	3.8	41
16	On mechanical motion damping of a magnetically trapped diamagnetic particle. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126643.	2.1	4
17	Diffraction losses of a Fabry-Perot cavity with nonidentical non-spherical mirrors. Journal of Optics (United Kingdom), 2020, 22, 115603.	2.2	1
18	Near Infrared Ultra-Narrow-Linewidth Laser. , 2020, , .		0

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19	Coupler-induced phase matching of resonant hyperparametric scattering. Optics Letters, 2020, 45, 3609.	3.3	1
20	Advances in the Development of Spectrally Pure Microwave Photonic Synthesizers. IEEE Photonics Technology Letters, 2019, 31, 1882-1885.	2.5	4
21	Hyperparametric frequency noise eater. Physical Review A, 2019, 99, .	2.5	5
22	Blue Microlasers for Metrology Applications. , 2019, , .		0
23	Probing 10 ⁻⁴ K stability and residual drifts in the cross-polarized dual-mode stabilization of single-crystal ultrahigh-Q optical resonators. Light: Science and Applications, 2019, 8, 1.	16.6	413
24	Integrated photonics for NASA applications. , 2019, , .		11
25	On acceleration sensitivity of 2 ⁻⁴ m whispering gallery mode-based semiconductor self-injection locked laser. Applied Optics, 2019, 58, 2138.	1.8	7
26	Orthogonally polarized frequency comb generation from a Kerr comb via cross-phase modulation. Optics Letters, 2019, 44, 1472.	3.3	32
27	Quartic dissipative solitons in optical Kerr cavities. Optics Letters, 2019, 44, 3086.	3.3	47
28	Self-injection locking efficiency of a UV Fabry-Perot laser diode. Optics Letters, 2019, 44, 4175.	3.3	28
29	A sub-10 ⁻⁴ K, dual-mode temperature stabilized microresonator. , 2019, , .		0
30	High Stability Self-Injection Locked Laser. , 2019, , .		0
31	Integrated RF photonic oscillators based on monolithic crystalline resonators. , 2019, , .		0
32	Quantum limitations and back action evading measurements in classical force and rotation detection. , 2019, , .		1
33	Calcium fluoride whispering gallery mode optical resonator with reduced thermal sensitivity. Journal of Optics (United Kingdom), 2018, 20, 035801.	2.2	11
34	Crystalline Waveguides for Optical Gyroscopes. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-11.	2.9	12
35	Self-injection locked blue laser. Journal of Optics (United Kingdom), 2018, 20, 045801.	2.2	23
36	Fundamental limitations of sensitivity of whispering gallery mode gyroscopes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2289-2295.	2.1	21

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37	NASA Integrated Photonics. , 2018, , .		1
38	Standard quantum limit of sensitivity of an optical gyroscope. Physical Review A, 2018, 98, .	2.5	3
39	A Low-RIN Spectrally Pure Whispering-Gallery-Mode Resonator-Based Semiconductor Laser. IEEE Photonics Technology Letters, 2018, 30, 1933-1936.	2.5	7
40	On Stiffness of Optical Self-Injection Locking. Photonics, 2018, 5, 43.	2.0	19
41	On sensitivity limitations of a dichromatic optical detection of a classical mechanical force. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1970.	2.1	4
42	Low-loss prism-waveguide optical coupling for ultrahigh-Q low-index monolithic resonators. Optica, 2018, 5, 219.	9.3	33
43	On fundamental diffraction limitation of finesse of a Fabry-Pérot cavity. Journal of Optics (United Kingdom), 2017, 19, 070801.	0.784314	4
44	Modeling and measuring the quality factor of whispering gallery mode resonators. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	13
45	Whispering gallery mode resonators for mid-IR quantum and interband cascade laser analysis and control. , 2018, , .		0
46	Polymer Waveguide Couplers for Fluorite Microresonators. IEEE Photonics Technology Letters, 2017, 29, 667-670.	2.5	12
47	Whispering gallery mode stabilization of quantum cascade lasers for infrared sensing and spectroscopy. , 2017, , .		5
48	Chasing the thermodynamical noise limit in whispering-gallery-mode resonators for ultrastable laser frequency stabilization. Nature Communications, 2017, 8, 8.	12.8	224
49	On a feasibility of a resonant stimulated Raman scattering gyroscope. , 2017, , .		0
50	Quantum speed meter based on dissipative coupling. Journal of Physics: Conference Series, 2017, 793, 012031.	0.4	1
51	Stabilized π -Band Kerr Frequency Comb. IEEE Photonics Journal, 2017, 9, 1-11.	2.0	3
52	Optical lattice trap for Kerr solitons. European Physical Journal D, 2017, 71, 1.	1.3	61
53	Measuring thermodynamic noise in optical WGM microresonators. , 2017, , .		1
54	Optical synthesis using Kerr frequency combs. , 2017, , .		1

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55	Towards chip-scale optical frequency synthesis based on optical heterodyne phase-locked loop. Optics Express, 2017, 25, 681.	3.4	39
56	Resonant microphotonic gyroscope. Optica, 2017, 4, 114.	9.3	140
57	High-contrast Kerr frequency combs. Optica, 2017, 4, 434.	9.3	23
58	Bose-Hubbard hopping due to resonant Rayleigh scattering. Optics Letters, 2017, 42, 4764.	3.3	3
59	High-order dispersion in Kerr comb oscillators. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 715.	2.1	58
60	Optical frequency synthesis by offset-locking the tunable local-oscillator of a low-power integrated receiver to a microresonator comb. , 2017, , .		0
61	Time-dependent correlation of cross-polarization mode for microcavity temperature sensing and stabilization. , 2017, , .		1
62	Low-loss On-chip Prism-Waveguide Coupler to High-Q Micro-resonator and Optical Frequency Comb Generation. , 2017, , .		2
63	Microresonator-stabilized extended-cavity diode laser for supercavity frequency stabilization. Optics Letters, 2017, 42, 1249.	3.3	7
64	On Sagnac frequency splitting in a solid-state ring Raman laser. Optics Letters, 2017, 42, 4736.	3.3	8
65	Ultrahigh Q whispering gallery mode electro-optic resonators on a silicon photonic chip. Optics Letters, 2016, 41, 4375.	3.3	22
66	Tunable Microcavity-Stabilized Quantum Cascade Laser for Mid-IR High-Resolution Spectroscopy and Sensing. Sensors, 2016, 16, 238.	3.8	19
67	Stabilizing the microresonator frequency comb. , 2016, , .		0
68	Clustered frequency comb. Optics Letters, 2016, 41, 5102.	3.3	26
69	A chip-scale Kerr frequency comb driven by ultrahigh-Q microresonator stabilized laser. , 2016, , .		0
70	Sensitivity limitations of a resonant microphotonic gyroscope. , 2016, , .		1
71	Nonlinear and quantum optics with whispering gallery resonators. Journal of Optics (United Kingdom) Tj ETQq1 1 0.784314 10.1038/nphoton.2016.010	2.2	225
72	On Frequency Combs in Monolithic Resonators. Nanophotonics, 2016, 5, 363-391.	6.0	38

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73	Stabilized chip-scale Kerr frequency comb via a high-Q reference photonic microresonator. Optics Letters, 2016, 41, 3706.	3.3	9
74	Microcavity-Stabilized Quantum Cascade Laser. Laser and Photonics Reviews, 2016, 10, 153-157.	8.7	39
75	Enabling arbitrary wavelength frequency combs on chip. Laser and Photonics Reviews, 2016, 10, 158-162.	8.7	36
76	Optical Cherenkov radiation in overmoded microresonators. Optics Letters, 2016, 41, 2907.	3.3	47
77	Quantum speed meter based on dissipative coupling. Physical Review A, 2016, 93, .	2.5	21
78	Mitigating parametric instability in optical gravitational wave detectors. Physical Review D, 2016, 93, .	4.7	7
79	Turn-key operation and stabilization of Kerr frequency combs. , 2016, , .		1
80	Impact of ambient perturbations on photonic microresonator stability. , 2016, , .		0
81	Agile High-Q RF Photonic Zooming Filter. IEEE Photonics Technology Letters, 2016, 28, 43-46.	2.5	16
82	Whispering gallery mode optical gyroscope. , 2016, , .		10
83	Microresonator stabilized 2 μm distributed-feedback GaSb-based diode laser. Optics Letters, 2016, 41, 5559.	3.3	17
84	Ultra-high Q Whispering Gallery Mode Electro-optic Resonators on Silicon Chip. , 2016, , .		0
85	Microcavity-Stabilized Quantum Cascade Laser. , 2016, , .		0
86	Integrated Mid-IR Frequency Combs. , 2016, , .		1
87	Tunable, agile RF photonic source. , 2015, , .		1
88	Extended ultrahigh-Q-cavity diode laser. Optics Letters, 2015, 40, 2596.	3.3	15
89	Demonstration of integrated mid-IR Kerr frequency combs. , 2015, , .		0
90	RF photonic receiver with Zooming capability. , 2015, , .		0

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91	Mode-Locked Ultrashort Pulse Generation from On-Chip Normal Dispersion Microresonators. Physical Review Letters, 2015, 114, 053901.	7.8	140
92	Noise conversion in Kerr comb RF photonic oscillators. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 232.	2.1	41
93	Feshbach resonances in Kerr frequency combs. Physical Review A, 2015, 91, .	2.5	14
94	Ultralow noise miniature external cavity semiconductor laser. Nature Communications, 2015, 6, 7371.	12.8	237
95	Compact stabilized semiconductor laser for frequency metrology. Applied Optics, 2015, 54, 3353.	2.1	36
96	Miniature multioctave light source based on a monolithic microcavity. Optica, 2015, 2, 40.	9.3	57
97	High spectral purity Kerr frequency comb radio frequency photonic oscillator. Nature Communications, 2015, 6, 7957.	12.8	388
98	External Cavity Semiconductor Laser Optimized for Frequency Metrology. , 2015, , .		0
99	Trapping light into high orbital momentum modes of fiber tapers. Optics Letters, 2015, 40, 3782.	3.3	4
100	Generation of Kerr combs centered at 45 μ m in crystalline microresonators pumped with quantum-cascade lasers. Optics Letters, 2015, 40, 3468.	3.3	67
101	Miniature atomic clock for space applications. , 2015, , .		2
102	Impact of Higher-Order Dispersion on the Performance of a Kerr Frequency Comb as Affected by the Generated Dispersive Wave. , 2015, , .		0
103	Generation and stabilization of on-chip optical frequency comb. , 2015, , .		0
104	Monolithic microresonator for simultaneous lasing feedback and intracavity hyperparametric oscillation. , 2015, , .		0
105	Chasing thermodynamic noise limit in microlasers. , 2015, , .		0
106	Photonic E-field sensor. AIP Advances, 2014, 4, .	1.3	26
107	RF photonic components for miniature Doppler radar. , 2014, , .		1
108	Generation of a coherent near-infrared Kerr frequency comb in a monolithic microresonator with normal GVD. Optics Letters, 2014, 39, 2920.	3.3	82

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109	Ultra-Narrow Line Tunable Semiconductor Lasers for Coherent LIDAR Applications. , 2014, , .		12
110	Microcavity morphology optimization. Physical Review A, 2014, 90, .	2.5	18
111	Nonlinear conversion efficiency in Kerr frequency comb generation. Optics Letters, 2014, 39, 6126.	3.3	125
112	Crystalline whispering gallery mode resonators: in search of the optimal material. , 2014, , .		1
113	On phase noise of self-injection locked semiconductor lasers. , 2014, , .		6
114	Spectrally pure RF photonic source based on a resonant optical hyper-parametric oscillator. Proceedings of SPIE, 2014, , .	0.8	2
115	Control of kerr optical frequency comb generation with temperature dependent group velocity dispersion. , 2014, , .		1
116	Generation of Kerr frequency combs in a sapphire whispering gallery mode microresonator. Optical Engineering, 2014, 53, 122607.	1.0	17
117	Lithium Niobate Whispering Gallery Resonators: Applications and Fundamental Studies. Springer Series in Materials Science, 2014, , 337-383.	0.6	5
118	Tunable opto-electronic oscillator for ultra-wide-band transceivers. , 2013, , .		1
119	Resonant Widely Tunable Opto-Electronic Oscillator. IEEE Photonics Technology Letters, 2013, 25, 1535-1538.	2.5	29
120	RF-induced change of optical refractive index in strontium barium niobate. Proceedings of SPIE, 2013, , .	0.8	9
121	On timing jitter of mode locked Kerr frequency combs. Optics Express, 2013, 21, 28862.	3.4	74
122	Kerr frequency comb-based K<inf>a</inf>-band RF photonic oscillator. , 2013, , .		1
123	Whispering gallery mode diamond resonator. Optics Letters, 2013, 38, 4320.	3.3	32
124	Chaotic dynamics of frequency combs generated with continuously pumped nonlinear microresonators. Optics Letters, 2013, 38, 525.	3.3	65
125	Stabilization of a Kerr frequency comb oscillator. Optics Letters, 2013, 38, 2636.	3.3	59
126	Theory of coupled optoelectronic microwave oscillator II: phase noise. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 3316.	2.1	30

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127	Increasing the spectral bandwidth of optical frequency comb generation in a microring resonator using dispersion tailoring slotted waveguide. , 2013, , .		1
128	Strongly Nondegenerate Resonant Optical Parametric Oscillator. , 2013, , .		1
129	Partially Coherent Kerr Frequency Combs. , 2013, , .		1
130	Surface acoustic wave frequency comb. , 2012, , .		2
131	Normal group-velocity dispersion Kerr frequency comb. Optics Letters, 2012, 37, 43.	3.3	73
132	Kerr frequency comb generation in overmoded resonators. Optics Express, 2012, 20, 27290.	3.4	95
133	On excitation of breather solitons in an optical microresonator. Optics Letters, 2012, 37, 4856.	3.3	63
134	Stability of resonant opto-mechanical oscillators. Optics Express, 2012, 20, 16234.	3.4	16
135	Lasing and up conversion from a nominally pure whispering gallery mode resonator. Optics Express, 2012, 20, 16704.	3.4	7
136	Multi-octave tunable agile RF photonic filters. , 2012, , .		3
137	Transient regime of Kerr-frequency-comb formation. Physical Review A, 2012, 86, .	2.5	7
138	Hard and soft excitation regimes of Kerr frequency combs. Physical Review A, 2012, 85, .	2.5	53
139	Hyper-parametric oscillations in multimode microresonators. , 2012, , .		0
140	Novel applications of crystalline microresonators. , 2011, , .		0
141	Generation of near-infrared frequency combs from a MgF ₂ whispering gallery mode resonator. Optics Letters, 2011, 36, 2290.	3.3	117
142	Mode-locked Kerr frequency combs. Optics Letters, 2011, 36, 2845.	3.3	204
143	Surface acoustic wave opto-mechanical oscillator and frequency comb generator. Optics Letters, 2011, 36, 3338.	3.3	53
144	Optical-RF frequency stability transformer. Optics Letters, 2011, 36, 4527.	3.3	4

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145	On the development of photonic rf oscillators and resonant electro-optic modulators for advanced RF front-end applications. , 2011, , .		1
146	Compact tunable kHz-linewidth semiconductor laser stabilized with a whispering-gallery mode microresonator. Proceedings of SPIE, 2011, , .	0.8	14
147	Kerr combs with selectable central frequency. Nature Photonics, 2011, 5, 293-296.	31.4	112
148	Self-referenced stabilization of temperature of an optomechanical microresonator. Physical Review A, 2011, 83, .	2.5	11
149	All-Optical Integrated rubidium Atomic Clock. , 2011, , .		14
150	Generation of Kerr combs in MgF ₂ and CaF ₂ microresonators. , 2011, , .		2
151	Optical generation of microwave reference frequencies. , 2011, , .		6
152	Spectrum engineering in whispering gallery mode resonators. Proceedings of SPIE, 2011, , .	0.8	1
153	Optical Combs and Photonic RF Oscillators with Whispering-Gallery Mode Microresonators. , 2011, , .		0
154	High performance, miniature hyper-parametric microwave photonic oscillator. , 2010, , .		16
155	All-optical compass based on the effect of electromagnetically induced transparency. Physics Magazine, 2010, 3, .	0.1	0
156	All-optical integrated atomic clock. , 2010, , .		4
157	Surface-acoustic wave opto-mechanical oscillator. , 2010, , .		1
158	Voltage-controlled photonic oscillator. Optics Letters, 2010, 35, 1572.	3.3	37
159	Second-order optical filter based on a mirrored gradient index lens. Optics Letters, 2010, 35, 2358.	3.3	0
160	Whispering-gallery-mode-resonator-based ultranarrow linewidth external-cavity semiconductor laser. Optics Letters, 2010, 35, 2822.	3.3	212
161	On the Sensitivity of All-Dielectric Microwave Photonic Receivers. Journal of Lightwave Technology, 2010, , .	4.6	8
162	Whispering-gallery mode based opto-electronic oscillators. , 2010, , .		22

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163	Passively Mode-Locked Raman Laser. Physical Review Letters, 2010, 105, 143903.	7.8	55
164	Single-Sideband Electro-Optical Modulator and Tunable Microwave Photonic Receiver. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3167-3174.	4.6	26
165	RF photonic receiver front-end based on crystalline whispering gallery mode resonators. , 2009, , .		7
166	Optomechanics with Surface-Acoustic-Wave Whispering-Gallery Modes. Physical Review Letters, 2009, 103, 257403.	7.8	56
167	Microwave whispering-gallery resonator for efficient optical up-conversion. Physical Review A, 2009, 80, .	2.5	45
168	Brillouin Lasing with a CaF_2 Whispering Gallery Mode Resonator. Physical Review Letters, 2009, 102, 043902.		274
169	Towards counting microwave photons at room temperature. Laser Physics Letters, 2009, 6, 129-134.	1.4	11
170	RF photonic signal processing components: From high order tunable filters to high stability tunable oscillators. , 2009, , .		16
171	Efficient upconversion of subterahertz radiation in a high-Q whispering gallery resonator. Optics Letters, 2009, 34, 713.	3.3	59
172	Tunable optical single-sideband modulator with complete sideband suppression. Optics Letters, 2009, 34, 1300.	3.3	52
173	Narrowband tunable photonic notch filter. Optics Letters, 2009, 34, 1318.	3.3	40
174	Theory of coupled optoelectronic microwave oscillator I: expectation values. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1023.	2.1	26
175	Collective emission and absorption in a linear resonator chain. Optics Express, 2009, 17, 15210.	3.4	8
176	Tunable resonant single-sideband electro-optical modulator. , 2009, , .		3
177	Improving resonant photonics devices with sol-gel coatings. , 2009, , .		3
178	Miniature oscillators based on optical whispering gallery mode resonators. , 2008, , .		10
179	Band All-Resonant Photonic Microwave Receiver. IEEE Photonics Technology Letters, 2008, 20, 1600-1612.	2.5	25
180	Tunable Optical Frequency Comb with a Crystalline Whispering Gallery Mode Resonator. Physical Review Letters, 2008, 101, 093902.	7.8	320

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181	Crystal quartz optical whispering-gallery resonators. Optics Letters, 2008, 33, 1569.	3.3	32
182	Phase noise of whispering gallery photonic hyper-parametric microwave oscillators. Optics Express, 2008, 16, 4130.	3.4	69
183	Sensitivity of terahertz photonic receivers. Physical Review A, 2008, 77, .	2.5	36
184	Photonic front-end for millimeter wave applications. , 2008, , .		2
185	Crystalline cavities for quantum and nonlinear optics. , 2008, , .		0
186	Optical whispering gallery mode resonators with $Q > 10^{11}$ and $F > 10^7$. , 2007, , .		1
187	Direct visualization of stationary interference patterns of several running whispering gallery modes. , 2007, , .		1
188	Fabrication, Characterization and Applications of Crystalline Whispering Gallery Mode Resonators. , 2007, , .		1
189	Microwave Photonics Applications of Whispering Gallery Mode Resonators. , 2007, , .		3
190	Strongly nondegenerate parametric oscillations in a whispering gallery mode resonator. , 2007, , .		0
191	Crystalline cavities for quantum and nonlinear optics. , 2007, , .		0
192	Direct observation of stopped light in a whispering-gallery-mode microresonator. Physical Review A, 2007, 76, .	2.5	34
193	Improving coherent atomic vapor optical buffers. Physical Review A, 2007, 76, .	2.5	1
194	The maximum group delay in a resonator: an unconventional approach. , 2007, , .		0
195	Efficient generation of truncated Bessel beams using cylindrical waveguides. , 2007, , .		1
196	Parametric oscillations in a whispering gallery resonator. Optics Letters, 2007, 32, 157.	3.3	54
197	Ringdown spectroscopy of stimulated Raman scattering in a whispering gallery mode resonator. Optics Letters, 2007, 32, 497.	3.3	40
198	Whispering-gallery-mode resonators as frequency references I Fundamental limitations. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1324.	2.1	155

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199	Whispering-gallery-mode resonators as frequency references II Stabilization. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2988.	2.1	103
200	On the fundamental limits of Q factor of crystalline dielectric resonators. Optics Express, 2007, 15, 3390.	3.4	36
201	Efficient generation of truncated Bessel beams using cylindrical waveguides. Optics Express, 2007, 15, 5866.	3.4	18
202	Optical resonators with ten million finesse. Optics Express, 2007, 15, 6768.	3.4	285
203	On fundamental quantum noises of whispering gallery mode electro-optic modulators. Optics Express, 2007, 15, 17401.	3.4	21
204	Electromagnetically induced transparency with a partially standing drive field. Physical Review A, 2007, 76, .	2.5	14
205	Photorefractive damage in whispering gallery resonators. Optics Communications, 2007, 272, 257-262.	2.1	9
206	Application of vertical cavity surface emitting lasers in self-oscillating atomic clocks. Journal of Modern Optics, 2006, 53, 2469-2484.	1.3	16
207	Optical properties of photorefractive whispering gallery mode resonators. , 2006, , .		1
208	Generation of high order Bessel beams with whispering gallery mode resonators. , 2006, , .		0
209	Slow light in vertically coupled whispering gallery mode resonators. , 2006, , .		2
210	White-light whispering gallery mode resonators. Optics Letters, 2006, 31, 92.	3.3	37
211	Morphology-dependent photonic circuit elements. Optics Letters, 2006, 31, 1313.	3.3	48
212	Optical vortices with large orbital momentum: generation and interference. Optics Express, 2006, 14, 2888.	3.4	12
213	Crystalline micro-resonators: status and applications. , 2006, , .		2
214	Ring-down spectroscopy for studying properties of CW Raman lasers. Optics Communications, 2006, 260, 662-665.	2.1	16
215	Ultra high Q crystalline microcavities. Optics Communications, 2006, 265, 33-38.	2.1	158
216	Optical resonators with whispering-gallery modes-part II: applications. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 15-32.	2.9	491

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217	Optical resonators with whispering-gallery modes-part I: basics. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 3-14.	2.9	617
218	Calligraphic poling for WGM resonators. , 2006, 6101, 155.		1
219	Photorefractivity in WGM resonators. , 2006, 6101, 245.		0
220	Photorefractive effects in magnesium doped lithium niobate whispering gallery mode resonators. Applied Physics Letters, 2006, 88, 241909.	3.3	16
221	Practical aspects of the active-loop chip-scale atomic clock. , 2006, , .		0
222	Enhancement of photorefraction in whispering gallery mode resonators. Physical Review B, 2006, 74, .	3.2	38
223	Towards cavity QED with crystalline microcavities. , 2006, , .		0
224	Influence of incoherent pumping on slow light propagation in rubidium atomic vapor. , 2006, , .		0
225	Self-oscillating EIT-based clocks and magnetometers. , 2006, , .		0
226	Photonic media with whispering-gallery modes. , 2005, , .		2
227	Phase diffusion of hyper-parametric oscillations in a nonlinear whispering gallery mode resonator. , 2005, , .		1
228	Magnetometer based on the opto-electronic microwave oscillator. Optics Communications, 2005, 247, 141-148.	2.1	21
229	High-order tunable filters based on a chain of coupled crystalline whispering gallery-mode resonators. IEEE Photonics Technology Letters, 2005, 17, 136-138.	2.5	72
230	Induced Absorption Resonance on the Open $F_{g} = 1 \hat{+} F_{e} = 2$ Transition of the D_{1} Line of the ^{87}Rb Atom. JETP Letters, 2005, 82, 472.	1.4	17
231	Mode filtering in optical whispering gallery resonators. Electronics Letters, 2005, 41, 495.	1.0	32
232	Ultra high Q crystalline microcavities. , 2005, , .		0
233	Whispering Gallery Resonators for Studying Orbital Angular Momentum of a Photon. Physical Review Letters, 2005, 95, 143904.	7.8	40
234	Relationship between quantum two-photon correlation and classical spectrum of light. Physical Review A, 2005, 71, .	2.5	13

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235	Reconfigurable optical filter. Electronics Letters, 2005, 41, 356.	1.0	7
236	Magnetometer based on the opto-electronic oscillator. Materials Research Society Symposia Proceedings, 2005, 906, 1.	0.1	0
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