Andrey B Matsko

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.

244 papers	8,843 citations	47 h-index	87 g-index
310 ext. papers	11,104 ext. citations	3.7 avg, IF	6.19 L-index

#	Paper	IF	Citations
244	Broadband quantum back action evading measurements of a resonant force. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2022**, 424, 127849	2.3	
243	All-optical dissipative discrete time crystals.. *Nature Communications*, **2022**, 13, 848	17.4	3
242	Back action evading electro-optical transducer. *Journal of the Optical Society of America B: Optical Physics*, **2022**, 39, 1103	1.7	0
241	Stabilized photonic links for space applications. *Applied Optics*, **2021**, 60, 3487-3491	1.7	1
240	Oscillatory motion of a counterpropagating Kerr soliton dimer. *Physical Review A*, **2021**, 103,	2.6	3
239	Quantum diffusion of microcavity solitons. *Nature Physics*, **2021**, 17, 462-466	16.2	9
238	A low-noise photonic heterodyne synthesizer and its application to millimeter-wave radar. *Nature Communications*, **2021**, 12, 4397	17.4	8
237	On mechanical motion damping of a magnetically trapped diamagnetic particle. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126643	2.3	2
236	Coupler-induced phase matching of resonant hyperparametric scattering. *Optics Letters*, **2020**, 45, 3609-3612	3	0
235	Diffraction losses of a Fabry-Perot cavity with nonidentical non-spherical mirrors. *Journal of Optics (United Kingdom)*, **2020**, 22, 115603	1.7	1
234	Application of a self-injection locked cyan laser for Barium ion cooling and spectroscopy. *Scientific Reports*, **2020**, 10, 16494	4.9	1
233	Optimization of Laser Stabilization via Self-Injection Locking to a Whispering-Gallery-Mode Microresonator. *Physical Review Applied*, **2020**, 14,	4.3	15
232	Hyperparametric frequency noise eater. *Physical Review A*, **2019**, 99,	2.6	2
231	Advances in the Development of Spectrally Pure Microwave Photonic Synthesizers. *IEEE Photonics Technology Letters*, **2019**, 31, 1882-1885	2.2	3
230	Integrated photonics for NASA applications **2019**,		5
229	On acceleration sensitivity of 2 Ẽh whispering gallery mode-based semiconductor self-injection locked laser. *Applied Optics*, **2019**, 58, 2138-2145	1.7	5
228	Orthogonally polarized frequency comb generation from a Kerr comb via cross-phase modulation. *Optics Letters*, **2019**, 44, 1472-1475	3	13

227	Quartic dissipative solitons in optical Kerr cavities. *Optics Letters*, **2019**, 44, 3086-3089	3	17
226	Self-injection locking efficiency of a UV Fabry-Perot laser diode. *Optics Letters*, **2019**, 44, 4175-4178	3	12
225	Probing 10 Hz stability and residual drifts in the cross-polarized dual-mode stabilization of single-crystal ultrahigh- optical resonators. *Light: Science and Applications*, **2019**, 8, 1	16.7	228
224	Calcium fluoride whispering gallery mode optical resonator with reduced thermal sensitivity. *Journal of Optics (United Kingdom)*, **2018**, 20, 035801	1.7	5
223	Crystalline Waveguides for Optical Gyroscopes. *IEEE Journal of Selected Topics in Quantum Electronics*, **2018**, 24, 1-11	3.8	7
222	Self-injection locked blue laser. *Journal of Optics (United Kingdom)*, **2018**, 20, 045801	1.7	13
221	Fundamental limitations of sensitivity of whispering gallery mode gyroscopes. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2018**, 382, 2289-2295	2.3	12
220	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	1.7	1
219	Low-loss prism-waveguide optical coupling for ultrahigh-Q low-index monolithic resonators. *Optica*, **2018**, 5, 219	8.6	22
218	On fundamental diffraction limitation of finesse of a Fabry–Perot cavity. *Journal of Optics (United Kingdom)*, **2018**, 20, 075609	1.7	1
217	Modeling and measuring the quality factor of whispering gallery mode resonators. *Applied Physics B: Lasers and Optics*, **2018**, 124, 1	1.9	8
216	NASA Integrated Photonics **2018**,		1
215	Standard quantum limit of sensitivity of an optical gyroscope. *Physical Review A*, **2018**, 98,	2.6	1
214	A Low-RIN Spectrally Pure Whispering-Gallery-Mode Resonator-Based Semiconductor Laser. *IEEE Photonics Technology Letters*, **2018**, 30, 1933-1936	2.2	3
213	On Stiffness of Optical Self-Injection Locking. *Photonics*, **2018**, 5, 43	2.2	11
212	Polymer Waveguide Couplers for Fluorite Microresonators. *IEEE Photonics Technology Letters*, **2017**, 29, 667-670	2.2	9
211	Whispering gallery mode stabilization of quantum cascade lasers for infrared sensing and spectroscopy **2017**,		5
210	Chasing the thermodynamical noise limit in whispering-gallery-mode resonators for ultrastable laser frequency stabilization. *Nature Communications*, **2017**, 8, 8	17.4	147

209	Quantum speed meter based on dissipative coupling. *Journal of Physics: Conference Series*, **2017**, 793, 012031	0.3	1
208	High-order dispersion in Kerr comb oscillators. *Journal of the Optical Society of America B: Optical Physics*, **2017**, 34, 715	1.7	31
207	Stabilized C-Band Kerr Frequency Comb. *IEEE Photonics Journal*, **2017**, 9, 1-11	1.8	3
206	Optical lattice trap for Kerr solitons. *European Physical Journal D*, **2017**, 71, 1	1.3	32
205	Measuring thermodynamic noise in optical WGM microresonators **2017**,		1
204	Optical synthesis using Kerr frequency combs **2017**,		1
203	Towards chip-scale optical frequency synthesis based on optical heterodyne phase-locked loop. *Optics Express*, **2017**, 25, 681-695	3.3	30
202	Resonant microphotonic gyroscope. *Optica*, **2017**, 4, 114	8.6	86
201	High-contrast Kerr frequency combs. *Optica*, **2017**, 4, 434	8.6	20
200	Bose-Hubbard hopping due to resonant Rayleigh scattering. *Optics Letters*, **2017**, 42, 4764-4767	3	2
199	Time-dependent correlation of cross-polarization mode for microcavity temperature sensing and stabilization **2017**,		1
198	Low-loss On-chip Prism-Waveguide Coupler to High-Q Micro-resonator and Optical Frequency Comb Generation **2017**,		1
197	Microresonator-stabilized extended-cavity diode laser for supercavity frequency stabilization. *Optics Letters*, **2017**, 42, 1249-1252	3	3
196	On Sagnac frequency splitting in a solid-state ring Raman laser. *Optics Letters*, **2017**, 42, 4736-4739	3	6
195	Optical Cherenkov radiation in overmoded microresonators. *Optics Letters*, **2016**, 41, 2907-10	3	34
194	Quantum speed meter based on dissipative coupling. *Physical Review A*, **2016**, 93,	2.6	14
193	Mitigating parametric instability in optical gravitational wave detectors. *Physical Review D*, **2016**, 93,	4.9	6
192	Agile High-Q RF Photonic Zooming Filter. *IEEE Photonics Technology Letters*, **2016**, 28, 43-46	2.2	12

191	Whispering gallery mode optical gyroscope **2016**,		7
190	Microresonator stabilized 2 μm distributed-feedback GaSb-based diode laser. *Optics Letters*, **2016**, 41, 5559-5562	3	11
189	Integrated Mid-IR Frequency Combs **2016**,		1
188	Ultrahigh Q whispering gallery mode electro-optic resonators on a silicon photonic chip. *Optics Letters*, **2016**, 41, 4375-8	3	15
187	Tunable Microcavity-Stabilized Quantum Cascade Laser for Mid-IR High-Resolution Spectroscopy and Sensing. *Sensors*, **2016**, 16, 238	3.8	9
186	Clustered frequency comb. *Optics Letters*, **2016**, 41, 5102-5105	3	17
185	Sensitivity limitations of a resonant microphotonic gyroscope **2016**,		1
184	Nonlinear and quantum optics with whispering gallery resonators. *Journal of Optics (United Kingdom)*, **2016**, 18, 123002	1.7	151
183	On Frequency Combs in Monolithic Resonators. *Nanophotonics*, **2016**, 5, 363-391	6.3	30
182	Stabilized chip-scale Kerr frequency comb via a high-Q reference photonic microresonator. *Optics Letters*, **2016**, 41, 3706-9	3	7
181	Microcavity-Stabilized Quantum Cascade Laser. *Laser and Photonics Reviews*, **2016**, 10, 153-157	8.3	18
180	Enabling arbitrary wavelength frequency combs on chip. *Laser and Photonics Reviews*, **2016**, 10, 158-162	8.3	18
179	Noise conversion in Kerr comb RF photonic oscillators. *Journal of the Optical Society of America B: Optical Physics*, **2015**, 32, 232	1.7	25
178	Feshbach resonances in Kerr frequency combs. *Physical Review A*, **2015**, 91,	2.6	12
177	Ultralow noise miniature external cavity semiconductor laser. *Nature Communications*, **2015**, 6, 7371	17.4	151
176	Compact stabilized semiconductor laser for frequency metrology. *Applied Optics*, **2015**, 54, 3353-9	0.2	20
175	Miniature multioctave light source based on a monolithic microcavity. *Optica*, **2015**, 2, 40	8.6	42
174	High spectral purity Kerr frequency comb radio frequency photonic oscillator. *Nature Communications*, **2015**, 6, 7957	17.4	238

173	Trapping light into high orbital momentum modes of fiber tapers. *Optics Letters*, **2015**, 40, 3782-5	3	4
172	Generation of Kerr combs centered at 4.5 μm in crystalline microresonators pumped with quantum-cascade lasers. *Optics Letters*, **2015**, 40, 3468-71	3	45
171	Miniature atomic clock for space applications **2015**,		1
170	Extended ultrahigh-Q-cavity diode laser. *Optics Letters*, **2015**, 40, 2596-9	3	9
169	Mode-locked ultrashort pulse generation from on-chip normal dispersion microresonators. *Physical Review Letters*, **2015**, 114, 053901	7.4	101
168	Photonic E-field sensor. *AIP Advances*, **2014**, 4, 122901	1.5	20
167	Generation of a coherent near-infrared Kerr frequency comb in a monolithic microresonator with normal GVD. *Optics Letters*, **2014**, 39, 2920-3	3	59
166	Ultra-Narrow Line Tunable Semiconductor Lasers for Coherent LIDAR Applications **2014**,		7
165	Microcavity morphology optimization. *Physical Review A*, **2014**, 90,	2.6	16
164	Nonlinear conversion efficiency in Kerr frequency comb generation. *Optics Letters*, **2014**, 39, 6126-9	3	81
163	Crystalline whispering gallery mode resonators: in search of the optimal material **2014**,		1
162	On phase noise of self-injection locked semiconductor lasers **2014**,		6
161	Spectrally pure RF photonic source based on a resonant optical hyper-parametric oscillator **2014**,		2
160	Generation of Kerr frequency combs in a sapphire whispering gallery mode microresonator. *Optical Engineering*, **2014**, 53, 122607	1.1	15
159	Lithium Niobate Whispering Gallery Resonators: Applications and Fundamental Studies. *Springer Series in Materials Science*, **2014**, 337-383	0.9	5
158	Resonant Widely Tunable Opto-Electronic Oscillator. *IEEE Photonics Technology Letters*, **2013**, 25, 1535-1538	2.2	23
157	RF-induced change of optical refractive index in strontium barium niobate **2013**,		8
156	On timing jitter of mode locked Kerr frequency combs. *Optics Express*, **2013**, 21, 28862-76	3.3	48

155	Kerr frequency comb-based Ka-band RF photonic oscillator **2013**,		1
154	Whispering gallery mode diamond resonator. *Optics Letters*, **2013**, 38, 4320-3	3	30
153	Chaotic dynamics of frequency combs generated with continuously pumped nonlinear microresonators. *Optics Letters*, **2013**, 38, 525-7	3	52
152	Stabilization of a Kerr frequency comb oscillator. *Optics Letters*, **2013**, 38, 2636-9	3	51
151	Theory of coupled optoelectronic microwave oscillator II: phase noise. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 3316	1.7	20
150	Increasing the spectral bandwidth of optical frequency comb generation in a microring resonator using dispersion tailoring slotted waveguide **2013**,		1
149	Strongly Nondegenerate Resonant Optical Parametric Oscillator **2013**,		1
148	Surface acoustic wave frequency comb **2012**,		2
147	Normal group-velocity dispersion Kerr frequency comb. *Optics Letters*, **2012**, 37, 43-5	3	51
146	Kerr frequency comb generation in overmoded resonators. *Optics Express*, **2012**, 20, 27290-8	3.3	59
145	On excitation of breather solitons in an optical microresonator. *Optics Letters*, **2012**, 37, 4856-8	3	47
144	Stability of resonant opto-mechanical oscillators. *Optics Express*, **2012**, 20, 16234	3.3	15
143	Lasing and up conversion from a nominally pure whispering gallery mode resonator. *Optics Express*, **2012**, 20, 16704	3.3	6
142	Transient regime of Kerr-frequency-comb formation. *Physical Review A*, **2012**, 86,	2.6	7
141	Hard and soft excitation regimes of Kerr frequency combs. *Physical Review A*, **2012**, 85,	2.6	44
140	Generation of near-infrared frequency combs from a MgF whispering gallery mode resonator. *Optics Letters*, **2011**, 36, 2290-2	3	89
139	Mode-locked Kerr frequency combs. *Optics Letters*, **2011**, 36, 2845-7	3	156
138	Surface acoustic wave opto-mechanical oscillator and frequency comb generator. *Optics Letters*, **2011**, 36, 3338-40	3	45

137	Optical-RF frequency stability transformer. *Optics Letters*, **2011**, 36, 4527-9	3	1
136	Compact tunable kHz-linewidth semiconductor laser stabilized with a whispering-gallery mode microresonator **2011**,		9
135	Kerr combs with selectable central frequency. *Nature Photonics*, **2011**, 5, 293-296	33.9	85
134	Self-referenced stabilization of temperature of an optomechanical microresonator. *Physical Review A*, **2011**, 83,	2.6	9
133	All-Optical Integrated rubidium Atomic Clock **2011**,		6
132	Generation of Kerr combs in MgF2 and CaF2 microresonators **2011**,		1
131	Optical generation of microwave reference frequencies **2011**,		6
130	All-optical integrated atomic clock **2010**,		2
129	Surface-acoustic wave opto-mechanical oscillator **2010**,		1
128	Voltage-controlled photonic oscillator. *Optics Letters*, **2010**, 35, 1572-4	3	30
127	Second-order optical filter based on a mirrored gradient index lens. *Optics Letters*, **2010**, 35, 2358-60	3	
126	Whispering-gallery-mode-resonator-based ultranarrow linewidth external-cavity semiconductor laser. *Optics Letters*, **2010**, 35, 2822-4	3	142
125	. *Journal of Lightwave Technology*, **2010**,	4	5
124	**2010**,		16
123	Passively mode-locked Raman laser. *Physical Review Letters*, **2010**, 105, 143903	7.4	44
122	Single-Sideband Electro-Optical Modulator and Tunable Microwave Photonic Receiver. *IEEE Transactions on Microwave Theory and Techniques*, **2010**, 58, 3167-3174	4.1	19
121	High performance, miniature hyper-parametric microwave photonic oscillator **2010**,		7
120	RF photonic receiver front-end based on crystalline whispering gallery mode resonators **2009**,		4

119	Optomechanics with surface-acoustic-wave whispering-gallery modes. *Physical Review Letters*, **2009**, 103, 257403	7.4	47
118	Microwave whispering-gallery resonator for efficient optical up-conversion. *Physical Review A*, **2009**, 80,	2.6	34
117	Brillouin lasing with a CaF2 whispering gallery mode resonator. *Physical Review Letters*, **2009**, 102, 043902	7.4	207
116	Towards counting microwave photons at room temperature. *Laser Physics Letters*, **2009**, 6, 129-134	1.5	10
115	RF photonic signal processing components: From high order tunable filters to high stability tunable oscillators **2009**,		9
114	Efficient upconversion of subterahertz radiation in a high-Q whispering gallery resonator. *Optics Letters*, **2009**, 34, 713-5	3	45
113	Tunable optical single-sideband modulator with complete sideband suppression. *Optics Letters*, **2009**, 34, 1300-2	3	40
112	Narrowband tunable photonic notch filter. *Optics Letters*, **2009**, 34, 1318-20	3	28
111	Theory of coupled optoelectronic microwave oscillator I: expectation values. *Journal of the Optical Society of America B: Optical Physics*, **2009**, 26, 1023	1.7	21
110	Collective emission and absorption in a linear resonator chain. *Optics Express*, **2009**, 17, 15210-5	3.3	7
109	Tunable resonant single-sideband electro-optical modulator **2009**,		3
108	Improving resonant photonics devices with sol-gel coatings **2009**,		3
107	**2008**,		5
106	${K}_{a}$ Band All-Resonant Photonic Microwave Receiver. *IEEE Photonics Technology Letters*, **2008**, 20, 1600-1612	2.2	16
105	Tunable optical frequency comb with a crystalline whispering gallery mode resonator. *Physical Review Letters*, **2008**, 101, 093902	7.4	246
104	Crystal quartz optical whispering-gallery resonators. *Optics Letters*, **2008**, 33, 1569-71	3	26
103	Phase noise of whispering gallery photonic hyper-parametric microwave oscillators. *Optics Express*, **2008**, 16, 4130-44	3.3	48
102	Sensitivity of terahertz photonic receivers. *Physical Review A*, **2008**, 77,	2.6	24

101	Photonic front-end for millimeter wave applications **2008**,		1
100	Photorefractive damage in whispering gallery resonators. *Optics Communications*, **2007**, 272, 257-262	2	8
99	Microwave Photonics Applications of Whispering Gallery Mode Resonators **2007**,		2
98	Direct observation of stopped light in a whispering-gallery-mode microresonator. *Physical Review A* , **2007**, 76,	2.6	29
97	Improving coherent atomic vapor optical buffers. *Physical Review A*, **2007**, 76,	2.6	1
96	Parametric oscillations in a whispering gallery resonator. *Optics Letters*, **2007**, 32, 157-9	3	40
95	Ringdown spectroscopy of stimulated Raman scattering in a whispering gallery mode resonator. *Optics Letters*, **2007**, 32, 497-9	3	34
94	Whispering-gallery-mode resonators as frequency references I Fundamental limitations. *Journal of the Optical Society of America B: Optical Physics*, **2007**, 24, 1324	1.7	106
93	Whispering-gallery-mode resonators as frequency references II Stabilization. *Journal of the Optical Society of America B: Optical Physics*, **2007**, 24, 2988	1.7	66
92	On the fundamental limits of Q factor of crystalline dielectric resonators. *Optics Express*, **2007**, 15, 3390-5	3.3	25
91	Efficient generation of truncated Bessel beams using cylindrical waveguides. *Optics Express*, **2007**, 15, 5866-71	3.3	16
90	Optical resonators with ten million finesse. *Optics Express*, **2007**, 15, 6768-73	3.3	193
89	On fundamental quantum noises of whispering gallery mode electro-optic modulators. *Optics Express*, **2007**, 15, 17401-9	3.3	17
88	Electromagnetically induced transparency with a partially standing drive field. *Physical Review A*, **2007**, 76,	2.6	11
87	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2006**, 12, 15-32	3.8	368
86	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2006**, 12, 3-14	3.8	478
85	Calligraphic poling for WGM resonators **2006**, 6101, 155		1
84	Photorefractivity in WGM resonators **2006**, 6101, 245		

83	Photorefractive effects in magnesium doped lithium niobate whispering gallery mode resonators. *Applied Physics Letters*, **2006**, 88, 241909	3.4	13
82	Enhancement of photorefraction in whispering gallery mode resonators. *Physical Review B*, **2006**, 74,	3.3	30
81	Application of vertical cavity surface emitting lasers in self-oscillating atomic clocks. *Journal of Modern Optics*, **2006**, 53, 2469-2484	1.1	12
80	Slow light in vertically coupled whispering gallery mode resonators **2006**,		1
79	White-light whispering gallery mode resonators. *Optics Letters*, **2006**, 31, 92-4	3	30
78	Morphology-dependent photonic circuit elements. *Optics Letters*, **2006**, 31, 1313-5	3	36
77	Optical vortices with large orbital momentum: generation and interference. *Optics Express*, **2006**, 14, 2888-97	3.3	9
76	Ring-down spectroscopy for studying properties of CW Raman lasers. *Optics Communications*, **2006**, 260, 662-665	2	9
75	Ultra high Q crystalline microcavities. *Optics Communications*, **2006**, 265, 33-38	2	120
74	Quantum-correlation metrology with biphotons: where is the limit?. *Journal of Modern Optics*, **2005**, 52, 2233-2243	1.1	10
73	Influence of a buffer gas on nonlinear magneto-optical polarization rotation. *Journal of the Optical Society of America B: Optical Physics*, **2005**, 22, 44	1.7	20
72	Nonlinear properties of electromagnetically induced transparency in rubidium vapor. *Journal of the Optical Society of America B: Optical Physics*, **2005**, 22, 65	1.7	13
71	On the dynamic range of optical delay lines based on coherent atomic media. *Optics Express*, **2005**, 13, 2210-23	3.3	44
70	Calligraphic poling of Lithium Niobate. *Optics Express*, **2005**, 13, 3408-19	3.3	29
69	Vertically coupled whispering-gallery-mode resonator waveguide. *Optics Letters*, **2005**, 30, 3066-8	3	12
68	Optical hyperparametric oscillations in a whispering-gallery-mode resonator: Threshold and phase diffusion. *Physical Review A*, **2005**, 71,	2.6	120
67	Photonic media with whispering-gallery modes **2005**,		2
66	Magnetometer based on the opto-electronic microwave oscillator. *Optics Communications*, **2005**, 247, 141-148	2	15

65	High-order tunable filters based on a chain of coupled crystalline whispering gallery-mode resonators. *IEEE Photonics Technology Letters*, **2005**, 17, 136-138	2.2	48
64	Induced absorption resonance on the open F g = 1 -F e = 2 transition of the D 1 line of the 87Rb atom. *JETP Letters*, **2005**, 82, 472	1.2	15
63	Mode filtering in optical whispering gallery resonators. *Electronics Letters*, **2005**, 41, 495	1.1	23
62	Whispering gallery resonators for studying orbital angular momentum of a photon. *Physical Review Letters*, **2005**, 95, 143904	7.4	30
61	Relationship between quantum two-photon correlation and classical spectrum of light. *Physical Review A*, **2005**, 71,	2.6	11
60	Reconfigurable optical filter. *Electronics Letters*, **2005**, 41, 356	1.1	6
59	Magnetometer based on the opto-electronic oscillator. *Materials Research Society Symposia Proceedings*, **2005**, 906, 1		
58	Low threshold optical oscillations in a whispering gallery mode CaF(2) resonator. *Physical Review Letters*, **2004**, 93, 243905	7.4	168
57	Observation of light dragging in a rubidium vapor cell. *Physical Review Letters*, **2004**, 93, 023601	7.4	23
56	Kilohertz optical resonances in dielectric crystal cavities. *Physical Review A*, **2004**, 70,	2.6	145
55	Interference effects in lossy resonator chains. *Journal of Modern Optics*, **2004**, 51, 2515-2522	1.1	22
54	Optical gyroscope with whispering gallery mode optical cavities. *Optics Communications*, **2004**, 233, 107-112	2	84
53	Influence of inhomogeneous broadening on group velocity in coherently pumped atomic vapour. *Journal of Modern Optics*, **2004**, 51, 2571-2578	1.1	3
52	Tunable filters and time delays with coupled whispering gallery mode resonators **2004**,		9
51	Nonlinear optics and crystalline whispering gallery mode cavities. *Physical Review Letters*, **2004**, 92, 043903	7.4	278
50	Tunable delay line with interacting whispering-gallery-mode resonators. *Optics Letters*, **2004**, 29, 626-8	3	181
49	Limitation on two-photon temporal correlation **2004**, 5551, 50		
48	Tunability and synthetic lineshapes in high-W optical whispering-gallery modes **2003**,		6

47	Parametric optics with whispering-gallery modes **2003**,		4
46	Nonlinear magneto-optical rotation of elliptically polarized light. *Physical Review A*, **2003**, 67,	2.6	37
45	. *Journal of Lightwave Technology*, **2003**, 21, 3052-3061	4	61
44	Dispersion compensation in whispering-gallery modes. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2003**, 20, 157-62	1.8	41
43	Whispering-gallery-mode electro-optic modulator and photonic microwave receiver. *Journal of the Optical Society of America B: Optical Physics*, **2003**, 20, 333	1.7	113
42	Low-threshold parametric nonlinear optics with quasi-phase-matched whispering-gallery modes. *Journal of the Optical Society of America B: Optical Physics*, **2003**, 20, 1304	1.7	40
41	Active mode locking with whispering-gallery modes. *Journal of the Optical Society of America B: Optical Physics*, **2003**, 20, 2292	1.7	10
40	Whispering gallery mode lithium niobate microresonators for photonics applications **2003**,		6
39	Tunable filter based on whispering gallery modes. *Electronics Letters*, **2003**, 39, 389	1.1	36
38	On cavity modification of stimulated Raman scattering. *Journal of Optics B: Quantum and Semiclassical Optics*, **2003**, 5, 272-278		25
37	Noise in gravitational-wave detectors and other classical-force measurements is not influenced by test-mass quantization. *Physical Review D*, **2003**, 67,	4.9	51
36	Improving engine efficiency by extracting laser energy from hot exhaust gas. *Physical Review A*, **2003**, 67,	2.6	23
35	Gravity field measurements using cold atoms with direct optical readout. *Physical Review A*, **2003**, 67,	2.6	4
34	Transporting and time reversing light via atomic coherence. *Physical Review Letters*, **2002**, 88, 103601	7.4	172
33	Resonant enhancement of high-order optical nonlinearities based on atomic coherence. *Physical Review A*, **2002**, 65,	2.6	54
32	Four-wave mixing of optical and microwave fields. *Physical Review Letters*, **2002**, 89, 103601	7.4	32
31	Detection of nonresonant impurity gases in alkali vapor cells. *Applied Physics Letters*, **2002**, 81, 193-195	3.4	4
30	Highly nondegenerate all-resonant optical parametric oscillator. *Physical Review A*, **2002**, 66,	2.6	15

29	High-efficiency microwave and millimeter-wave electro-optical modulation with whispering-gallery resonators **2002**, 4629, 158		7
28	Quantum nondemolition measurement of the photon number using type atoms. *Journal of Optics B: Quantum and Semiclassical Optics*, **2002**, 4, 179-183		1
27	Large polarization self-rotation in rubidium vapour: application for squeezing of electromagnetic vacuum. *Journal of Modern Optics*, **2002**, 49, 2565-2581	1.1	18
26	Vacuum squeezing in atomic media via self-rotation. *Physical Review A*, **2002**, 66,	2.6	60
25	Three-photon electromagnetically induced absorption and transparency in an inhomogeneously broadened atomic vapour. *Journal of Modern Optics*, **2002**, 49, 2485-2499	1.1	14
24	Resonant enhancement of refractive index in a cascade scheme. *Journal of Modern Optics*, **2002**, 49, 359-365	1.1	9
23	Sub-microwatt photonic microwave receiver. *IEEE Photonics Technology Letters*, **2002**, 14, 1602-1604	2.2	49
22	Radiation trapping under conditions of electromagnetically induced transparency. *Journal of Modern Optics*, **2002**, 49, 367-378	1.1	12
21	Observation of a three-photon electromagnetically induced transparency in hot atomic vapor. *Physical Review A*, **2002**, 65,	2.6	64
20	Phase-matching condition between acoustic and optical waves in doped fibers. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2001**, 91, 490-493	0.7	3
19	Einstein-Podolsky-Rosen paradox with quantum solitons in optical fibers. *Europhysics Letters*, **2001**, 54, 592-598	1.6	4
18	Optical Ramsey fringes induced by Zeeman coherence. *Physical Review A*, **2001**, 65,	2.6	31
17	Lasing without inversion via decay-induced coherence. *Physical Review A*, **2001**, 65,	2.6	47
16	Slow, Ultraslow, Stored, and Frozen Light. *Advances in Atomic, Molecular and Optical Physics*, **2001**, 191-242	1.7	159
15	Radiation trapping in coherent media. *Physical Review Letters*, **2001**, 87, 133601	7.4	60
14	Mixed electromagnetically and self-induced transparency. *Optics Express*, **2001**, 8, 66-75	3.3	6
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