

Fabien Bretenaker

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231
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29
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337
ext. papers

4,013
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
231	Direct measurement of the optical Goos-Hñchen effect in lasers. <i>Physical Review Letters</i> , 1992 , 68, 931-934	7.3	128
230	Dual-Frequency Laser at 1.5 μm for Optical Distribution and Generation of High-Purity Microwave Signals. <i>Journal of Lightwave Technology</i> , 2008 , 26, 2764-2773	4	89
229	Measurement of the Nonlinear Goos-Hñchen Effect for Gaussian Optical Beams. <i>Physical Review Letters</i> , 1995 , 75, 1511-1513	7.4	87
228	Measurement of positive and negative Goos-Hñchen effects for metallic gratings near Wood anomalies. <i>Optics Letters</i> , 2001 , 26, 666-8	3	68
227	Analytical and experimental study of ringing effects in a Fabry-Pérot cavity Application to the measurement of high finesses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997 , 14, 2811-17	1.7	67
226	Observation of Magnetochiral Birefringence. <i>Physical Review Letters</i> , 2001 , 87,	7.4	64
225	Impact of Reabsorption on the Emission Spectra and Recombination Dynamics of Hybrid Perovskite Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2977-2983	6.4	63
224	Offset phase locking of Er,Yb:glass laser eigenstates for RF photonics applications. <i>IEEE Photonics Technology Letters</i> , 2001 , 13, 367-369	2.2	61
223	Long-range polarimetric imaging through fog. <i>Applied Optics</i> , 2014 , 53, 3854-65	1.7	56
222	Building blocks for a two-frequency laser lidar-radar: a preliminary study. <i>Applied Optics</i> , 2002 , 41, 5702-12	1.7	51
221	Time delay generation at high frequency using SOA based slow and fast light. <i>Optics Express</i> , 2011 , 19, 21180-8	3.3	49
220	Tunable optical microwave source using spatially resolved laser eigenstates. <i>Optics Letters</i> , 1997 , 22, 384-6	3	49
219	Dual tunable wavelength Er,Yb:glass laser for terahertz beat frequency generation. <i>IEEE Photonics Technology Letters</i> , 1998 , 10, 1554-1556	2.2	48
218	Rotating polarization imaging in turbid media. <i>Optics Letters</i> , 1996 , 21, 1706-8	3	48
217	Experimental tailoring of a three-level Λ system in Tm ³⁺ :YAG. <i>Physical Review B</i> , 2006 , 73,	3.3	47
216	Experimental demonstration of a tunable dual-frequency semiconductor laser free of relaxation oscillations. <i>Optics Letters</i> , 2009 , 34, 3421-3	3	46
215	Diode-pumped Pr:BaY ₂ F ₈ continuous-wave orange laser. <i>Optics Letters</i> , 2011 , 36, 280-2	3	45

214	Experimental Investigation and Analytical Modeling of Excess Intensity Noise in Semiconductor Class-A Lasers. <i>Journal of Lightwave Technology</i> , 2008 , 26, 952-961	4	43
213	Branching ratio measurement of a Λ system in Tm ³⁺ :YAG under a magnetic field. <i>Physical Review B</i> , 2007 , 75,	3-3	37
212	Shot-noise-limited operation of a monomode high-cavity-finesse semiconductor laser for microwave photonics applications. <i>Optics Letters</i> , 2007 , 32, 650-2	3	37
211	Energy exchanges between a rotating retardation plate and a laser beam. <i>Physical Review Letters</i> , 1990 , 65, 2316	7-4	36
210	Identification of Λ like systems in Er ³⁺ :Y ₂ SiO ₅ and observation of electromagnetically induced transparency. <i>Physical Review B</i> , 2010 , 81,	3-3	35
209	Laser diode stabilisation for coherent driving of rare earth ions. <i>Optics Communications</i> , 2004 , 241, 203-213		34
208	Measurement of the coupling constant in a two-frequency VECSEL. <i>Optics Express</i> , 2010 , 18, 5008-14	3-3	33
207	Direct measurement of the wigner delay associated with the goos-Hanchen effect. <i>Physical Review Letters</i> , 2000 , 84, 71-4	7-4	33
206	Orange emission in Pr ³⁺ -doped fluoroindate glasses. <i>Optical Materials</i> , 2013 , 35, 383-386	3-3	32
205	Supermirror phase anisotropy measurement. <i>Optics Letters</i> , 1995 , 20, 671-3	3	30
204	10-GHz bandwidth RF spectral analyzer with MHz resolution based on spectral hole burning in Tm ³⁺ :YAG. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 2385-2387	2-2	29
203	Small Faraday rotation measurement with a Fabry-Pérot cavity. <i>Applied Physics Letters</i> , 1995 , 66, 3546-3548	3-4	29
202	Laser eigenstates in the framework of a spatially generalized Jones matrix formalism. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1991 , 8, 230	1-7	29
201	A Model for Designing Ultralow Noise Single- and Dual-Loop 10-GHz Optoelectronic Oscillators. <i>Journal of Lightwave Technology</i> , 2017 , 35, 4366-4374	4	28
200	Optical excitation of nuclear spin coherence in a Tm ³⁺ :YAG crystal. <i>Physical Review B</i> , 2008 , 77,	3-3	28
199	Photon lifetime in a cavity containing a slow-light medium. <i>Optics Letters</i> , 2011 , 36, 1551-3	3	27
198	Stabilization of the repetition rate of passively Q-switched diode-pumped solid-state lasers. <i>Applied Physics Letters</i> , 2001 , 79, 1073-1075	3-4	27
197	Experimental and theoretical study of monomode vectorial lasers passively Q switched by a Cr ⁴⁺ :yttrium aluminum garnet absorber. <i>Physical Review A</i> , 1999 , 60, 4052-4058	2-6	27

196	Tunable Two-Frequency Lasers for Lifetime Measurements. <i>Optical Review</i> , 1997 , 4, 550-552	0.9	26
195	Coherent driving of Tm ³⁺ :YAG ions using a complex hyperbolic secant optical field. <i>European Physical Journal D</i> , 2005 , 33, 343-355	1.3	26
194	Red and orange laser operation of Pr:KYF ₄ pumped by a Nd:YAG/LBO laser at 469.1 nm and a InGaN laser diode at 444 nm. <i>Optics Express</i> , 2013 , 21, 5567-74	3.3	25
193	Observation of ultra-narrow electromagnetically induced transparency and slow light using purely electronic spins in a hot atomic vapor. <i>Europhysics Letters</i> , 2008 , 82, 54002	1.6	25
192	Broad-bandwidth shot-noise-limited class-A operation of a monomode semiconductor fiber-based ring laser. <i>Optics Letters</i> , 2006 , 31, 62-4	3	24
191	Study of the dynamical behaviour of the polarization of a quasi- isotropic laser in the earth magnetic field. <i>Optics Communications</i> , 1990 , 79, 321-327	2	24
190	Ultrannarrow resonance due to coherent population oscillations in a E-type atomic system. <i>Physical Review A</i> , 2012 , 85,	2.6	23
189	Phase locking of a frequency agile laser. <i>Applied Physics Letters</i> , 2006 , 89, 261115	3.4	23
188	High-resolution radio frequency spectral analysis with photon echo chirp transform in an Er:YSO crystal. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 1450-1457	2	23
187	Resonant cavity gas-phase polarimeter. <i>Analytical Chemistry</i> , 1998 , 70, 4636-9	7.8	23
186	Coherent addition of adjacent lasers by forked eigenstate operation. <i>Applied Optics</i> , 1998 , 37, 2402-6	1.7	23
185	Analysis of electromagnetically induced transparency and slow light in a hot vapor of atoms undergoing collisions. <i>Physical Review A</i> , 2009 , 80,	2.6	22
184	High spectral purity and tunable operation of a continuous singly resonant optical parametric oscillator emitting in the red. <i>Optics Letters</i> , 2007 , 32, 518-20	3	22
183	Existence of two coupling constants in microchip lasers. <i>Optics Letters</i> , 2000 , 25, 896-8	3	22
182	Vectorial excess noise factor in common lasers. <i>Europhysics Letters</i> , 1998 , 43, 153-158	1.6	22
181	Jones matrices of a tilted plate for Gaussian beams. <i>Applied Optics</i> , 1991 , 30, 305-11	1.7	22
180	Light storage in a room-temperature atomic vapor based on coherent population oscillations. <i>Physical Review A</i> , 2014 , 90,	2.6	21
179	Frequency stabilization at the kilohertz level of a continuous intracavity frequency-doubled singly resonant optical parametric oscillator. <i>Optics Letters</i> , 2010 , 35, 2364-6	3	21

178	Experimental evidence of single round-trip oscillation in polarization self-modulated vertical-cavity surface emitting lasers. <i>Applied Physics Letters</i> , 1997 , 70, 2661-2663	3.4	21
177	The Malus FabryPerot interferometer. <i>Optics Communications</i> , 1999 , 168, 423-443	2	21
176	Mean-field laser magnetometry. <i>Physical Review Letters</i> , 1992 , 69, 909-912	7.4	21
175	Direct observation of the class-B to class-A transition in the dynamical behavior of a semiconductor laser. <i>Europhysics Letters</i> , 2009 , 87, 44005	1.6	20
174	Active stabilization of a rapidly chirped laser by an optoelectronic digital servo-loop control. <i>Optics Letters</i> , 2007 , 32, 484-6	3	20
173	High-spectral purity RF beat note generated by a two-frequency solid-state laser in a dual thermooptic and electrooptic phase-locked loop. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 870-872	2.2	20
172	Vectorial nonlinear dynamics in lasers with one or two stable eigenstates. <i>Physical Review A</i> , 1994 , 49, 2868-2880	2.6	20
171	Dynamics of circularly polarized eigenstates in lasers with nonweak atomic coupling. <i>Optics Letters</i> , 1991 , 16, 572-4	3	20
170	Fourier transform-limited optical frequency-modulated continuous-wave interferometry over several tens of laser coherence lengths. <i>Optics Letters</i> , 2016 , 41, 2962-5	3	19
169	Direct measurement of the transverse excess noise factor in a geometrically stable laser resonator. <i>Physical Review A</i> , 1998 , 57, 4889-4893	2.6	19
168	Intensity noise correlations in a two-frequency VECSEL. <i>Optics Express</i> , 2013 , 21, 2538-50	3.3	18
167	Differential measurement of the coupling constant between laser eigenstates. <i>Applied Physics Letters</i> , 1997 , 70, 2070-2072	3.4	18
166	Experimental and theoretical study of longitudinally monomode vectorial solid-state lasers. <i>Physical Review A</i> , 1999 , 59, 831-840	2.6	18
165	Jones matrices of a quarter-wave plate for Gaussian beams. <i>Applied Optics</i> , 1995 , 34, 6806-18	1.7	18
164	Measurement of the Transverse Displacement at Total Reflection by Helicoidal Laser Eigenstates. <i>Europhysics Letters</i> , 1993 , 24, 345-349	1.6	18
163	Room-Temperature Cavity Polaritons with 3D Hybrid Perovskite: Toward Large-Surface Polaritonic Devices. <i>ACS Photonics</i> , 2019 , 6, 1804-1811	6.3	17
162	Class-A dual-frequency VECSEL at telecom wavelength. <i>Optics Letters</i> , 2014 , 39, 5586-9	3	17
161	Transverse excess noise factor in geometrically stable laser resonators. <i>Physical Review A</i> , 1997 , 55, 4563-4567	2.4	17

160	Modal analysis of polarization self-modulated lasers. <i>Physical Review A</i> , 1997 , 55, 1391-1397	2.6	17
159	10GHz Bandwidth rf spectral analyzer with megahertz resolution based on spectral-spatial holography in Tm ³⁺ :YAG: experimental and theoretical study. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 457	1.7	17
158	Two-frequency Er-Yb:glass microchip laser passively Q switched by a Co:ASL saturable absorber. <i>Optics Letters</i> , 2003 , 28, 328-30	3	17
157	Observation of slow light in the noise spectrum of a vertical external cavity surface-emitting laser. <i>Physical Review Letters</i> , 2010 , 105, 223902	7.4	16
156	Single-frequency and tunable operation of a continuous intracavity-frequency-doubled singly resonant optical parametric oscillator. <i>Optics Letters</i> , 2008 , 33, 1455-7	3	16
155	Angular Goos-Hñchen effect in curved dielectric microstructures. <i>Optics Letters</i> , 1995 , 20, 1233-5	3	16
154	Investigation of degenerate dual-pump phase sensitive amplifier using multi-wave model. <i>Optics Express</i> , 2015 , 23, 31896-907	3.3	15
153	Light storage via coherent population oscillation in a thermal cesium vapor. <i>Physical Review A</i> , 2014 , 90,	2.6	15
152	Theoretical study of the spurious-free dynamic range of a tunable delay line based on slow light in SOA. <i>Optics Express</i> , 2009 , 17, 20584-97	3.3	15
151	Ultralow Noise and High-Power VECSEL for High Dynamic Range and Broadband RF/Optical Links. <i>Journal of Lightwave Technology</i> , 2014 , 32, 3489-3494	4	14
150	Stimulated Raman scattering in an optical parametric oscillator based on periodically poled MgO-doped stoichiometric LiTaO3. <i>Optics Express</i> , 2009 , 17, 5912-8	3.3	14
149	Actively mode-locked optical parametric oscillator. <i>Optics Letters</i> , 2006 , 31, 972-4	3	14
148	Rabi-Lorentzian profile of an atomic resonance obtained with Gaussian beams. <i>Physical Review Letters</i> , 2001 , 86, 1175-8	7.4	14
147	A simple method to measure the lifetime of excited levels of rare earth ions: application to erbium ions in fluorophosphate glasses. <i>Optical Materials</i> , 1996 , 5, 209-215	3.3	14
146	Coherent Population Oscillation-Based Light Storage. <i>Physical Review Letters</i> , 2017 , 118, 073605	7.4	13
145	Phase Noise of the Radio Frequency (RF) Beatnote Generated by a Dual-Frequency VECSEL. <i>Journal of Lightwave Technology</i> , 2014 , 32, 1307-1316	4	13
144	Wideband and high-resolution coherent optical transients with a frequency-agile laser oscillator. <i>Optics Letters</i> , 2006 , 31, 3264-6	3	13
143	Polarization self-modulated lasers with circular eigenstates. <i>Applied Physics Letters</i> , 1999 , 74, 3266-3268	3.4	13

142	Rotation measurements using a resonant fiber optic gyroscope based on Kagome fiber. <i>Applied Optics</i> , 2019 , 58, 2198-2204	1.7	13
141	Intensity- and phase-noise correlations in a dual-frequency vertical-external-cavity surface-emitting laser operating at telecom wavelength. <i>Physical Review A</i> , 2015 , 91,	2.6	12
140	Anomalous ring-down effects and breakdown of the decay rate concept in optical cavities with negative group delay. <i>New Journal of Physics</i> , 2012 , 14, 043012	2.9	12
139	Interacting double dark resonances in a hot atomic vapor of helium. <i>Physical Review A</i> , 2011 , 84,	2.6	12
138	Experimental investigation of deterministic and stochastic frequency noises of a rapidly frequency chirped laser. <i>EPJ Applied Physics</i> , 2005 , 30, 175-183	1.1	12
137	Stochastic resonances in an optical two-order parameter vectorial system. <i>Physical Review Letters</i> , 2001 , 87, 213901	7.4	12
136	Multiaxis laser eigenstates. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996 , 13, 946	1.7	12
135	. <i>IEEE Journal of Quantum Electronics</i> , 1990 , 26, 1451-1454	2	12
134	Infrared laser threshold magnetometry with a NV doped diamond intracavity etalon. <i>Optics Express</i> , 2019 , 27, 1706-1717	3.3	12
133	Coherent microwave-to-optical conversion by three-wave mixing in a room temperature atomic system. <i>Optics Letters</i> , 2019 , 44, 33-36	3	12
132	Symplectic approach to the amplification process in a nonlinear fiber: role of signal-idler correlations and application to loss management. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 1627	1.7	11
131	Electromagnetically-induced transparency, slow light, and negative group velocities in a room temperature vapor of 4He^* . <i>Comptes Rendus Physique</i> , 2009 , 10, 919-926	1.4	11
130	Resonant diffraction mechanism, nonreciprocity, and lock-in in the ring-laser gyroscope. <i>Physical Review A</i> , 1993 , 47, 543-551	2.6	11
129	. <i>IEEE Journal of Quantum Electronics</i> , 1992 , 28, 348-354	2	11
128	Influence of spin-dependent carrier dynamics on the properties of a dual-frequency vertical-external-cavity surface-emitting laser. <i>Physical Review A</i> , 2014 , 90,	2.6	10
127	Sub-kHz-level relative stabilization of an intracavity doubled continuous wave optical parametric oscillator using Pound-Drever-Hall scheme. <i>Optics Express</i> , 2011 , 19, 18049-57	3.3	10
126	Dynamic saturation in Semiconductor Optical Amplifiers: accurate model, role of carrier density, and slow light. <i>Optics Express</i> , 2010 , 18, 685-93	3.3	10
125	Active mode locking of continuous-wave doubly and singly resonant optical parametric oscillators. <i>Optics Letters</i> , 2007 , 32, 1701-3	3	10

124	Vectorial bistability and simultaneity of the two helicoidal stationary eigenstates of a ring laser. <i>Optics Communications</i> , 1990 , 79, 314-320	2	10
123	. <i>European Physical Journal D</i> , 2002 , 19, 403-410	1.3	10
122	Some considerations on slow- and fast-light gyros. <i>Optical Engineering</i> , 2014 , 53, 102706	1.1	9
121	Generation of tunable high-purity microwave and terahertz signals by two-frequency solid state lasers 2004 , 5466, 131		9
120	Coherence of pulsed microwave signals carried by two-frequency solid-state lasers. <i>Journal of Lightwave Technology</i> , 2003 , 21, 3037-3042	4	9
119	Ultra-low noise dual-frequency VECSEL at telecom wavelength using fully correlated pumping. <i>Optics Letters</i> , 2018 , 43, 1794-1797	3	8
118	30-Hz relative linewidth watt output power 1.65 μm continuous-wave singly resonant optical parametric oscillator. <i>Optics Express</i> , 2017 , 25, 9049-9060	3.3	8
117	Experimental demonstration of enhanced slow and fast light by forced coherent population oscillations in a semiconductor optical amplifier. <i>Optics Letters</i> , 2010 , 35, 2457-9	3	8
116	Intermodulation distortion in microwave phase shifters based on slow and fast light propagation in semiconductor optical amplifiers. <i>Optics Letters</i> , 2010 , 35, 2762-4	3	8
115	Photon echoes in an amplifying rare-earth-ion-doped crystal. <i>Optics Letters</i> , 2005 , 30, 1288-90	3	8
114	Nonlinear intensity effects in a laser generating the three main standing waves. <i>Physical Review A</i> , 1991 , 43, 3704-3709	2.6	8
113	A test resonator for Kagome Hollow-core Photonic Crystal Fibers for resonant rotation sensing. <i>Optics Communications</i> , 2017 , 383, 485-490	2	7
112	Orientation of Nd ³⁺ dipoles in yttrium aluminum garnet: Experiment and model. <i>Physical Review A</i> , 2009 , 79,	2.6	7
111	Theoretical and experimental study of eigenstate locking in polarization self-modulated lasers. <i>Physical Review A</i> , 1997 , 56, 5121-5130	2.6	7
110	Single-frequency operation of an orange avalanche upconversion laser for high-resolution laser spectroscopy. <i>EPJ Applied Physics</i> , 2008 , 42, 121-124	1.1	7
109	Orange avalanche upconversion for high-resolution laser spectroscopy. <i>EPJ Applied Physics</i> , 2007 , 37, 161-168	1.1	7
108	Hyperfine structure of Tm ³⁺ in YAG for quantum storage applications. <i>Optical Materials</i> , 2006 , 28, 649-654	3.4	7
107	Pulsed measurement of high-reflectivity mirror phase retardances. <i>Applied Optics</i> , 1994 , 33, 3175-8	1.7	7

106	Differential absorption measurement of methane with two spatially resolved laser lines. <i>Applied Optics</i> , 1994 , 33, 3261-4	1.7	7
105	Theoretical and experimental study of elliptical Gaussian-mode size dynamics in ring lasers. <i>Physical Review A</i> , 1990 , 41, 3792-3803	2.6	7
104	Phase-sensitive amplification of an optical field using microwaves. <i>Optics Express</i> , 2019 , 27, 32111-32121	3.3	7
103	Noise Investigation of a Dual-Frequency VECSEL for Application to Cesium Clocks. <i>Journal of Lightwave Technology</i> , 2018 , 36, 3882-3891	4	6
102	Phase sensitive amplification enabled by coherent population trapping. <i>New Journal of Physics</i> , 2018 , 20, 083043	2.9	6
101	Polarization-dependent manipulation of optical properties in a tripod system. <i>Physical Review A</i> , 2013 , 88,	2.6	6
100	Experimental demonstration of a dual-frequency laser free from antiphase noise. <i>Optics Letters</i> , 2012 , 37, 4901-3	3	6
99	Observation of electromagnetically induced transparency and slow light in the dark state--bright state basis. <i>Optics Express</i> , 2009 , 17, 19444-50	3.3	6
98	Cotton-Mouton effect measurement with the Fabry-Pérot eigenstates. <i>Applied Physics Letters</i> , 1998 , 73, 1032-1034	3.4	6
97	Evidence of ultra low microwave additive phase noise for an optical RF link based on a class-A semiconductor laser. <i>Optics Express</i> , 2008 , 16, 10091-7	3.3	6
96	Highly coherent electronically tunable waveguide extended cavity diode laser. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1527-1529	2.2	6
95	Single-frequency quasi-continuous red radiation generated by a green-pumped singly resonant optical parametric oscillator. <i>Optics Letters</i> , 2006 , 31, 1283-5	3	6
94	Radio-frequency spectrum analyzers based on rare earth ion doped crystals. <i>Applied Physics B: Lasers and Optics</i> , 2006 , 84, 653-657	1.9	6
93	Self-mode-locked pulsed monomode laser. <i>Optics Letters</i> , 1999 , 24, 229-31	3	6
92	Rotating Polarization-Induced Resonance in Atoms and Molecules. <i>Physical Review Letters</i> , 1995 , 75, 1907-1910	7.4	6
91	Reverse relative Goos-Hänchen effect. <i>Europhysics Letters</i> , 1996 , 33, 359-364	1.6	6
90	Goos-Hänchen effect in the dynamics of laser eigenstates. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992 , 9, 2283	1.7	6
89	Specific lenslike effects and resonant diffraction losses in two-isotope gas lasers. <i>Physical Review A</i> , 1990 , 42, 5561-5572	2.6	6

88	Mode Locking of the Hermite-Gaussian Modes of a Nanolaser. <i>Physical Review Letters</i> , 2019 , 123, 233901	7.4	6
87	Demonstration of a high-contrast optical switching in an atomic Delta system. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017 , 50, 165502	1.3	5
86	Direct monitoring of the coupling constant in vectorial lasers. <i>Optics Communications</i> , 1998 , 148, 270-274	4	5
85	Experimental observation of spectral diffusion in an optically pumped crystal. <i>Journal of Luminescence</i> , 2007 , 127, 65-70	3.8	5
84	Green two-frequency pulsed laser: intracavity doubling of helicoidal eigenstates. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003 , 20, 662	1.7	5
83	Analysis of the design of a passive resonant miniature optical gyroscope based on integrated optics technologies. <i>Optical Engineering</i> , 2017 , 56, 1	1.1	5
82	Optimization of a degenerate dual-pump phase-sensitive optical parametric amplifier for all-optical regenerative functionality. <i>Optics Express</i> , 2017 , 25, 12552-12565	3.3	4
81	Frequency stabilization of the non-resonant wave of a continuous-wave singly resonant optical parametric oscillator. <i>Applied Physics B: Lasers and Optics</i> , 2015 , 120, 201-205	1.9	4
80	Theoretical and experimental analysis of intensity noise correlations in an optically pumped, dual-frequency Nd:YAG laser. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 2830	1.7	4
79	Diffraction losses reduction in multiapertured non-Hermitian laser resonators. <i>Physical Review A</i> , 1997 , 55, 781-786	2.6	4
78	Quantum storage in rare-earth-doped crystals for secure networks. <i>Journal of Luminescence</i> , 2007 , 122-123, 526-528	3.8	4
77	Coherent Raman Beats in. <i>Journal of Luminescence</i> , 2007 , 127, 89-93	3.8	4
76	Frustrated total internal reflection of laser eigenstates. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996 , 13, 1559	1.7	4
75	Polarization dragging in injected lasers. <i>IEEE Journal of Quantum Electronics</i> , 1994 , 30, 2516-2525	2	4
74	Heterodyne spectroscopy with spatially resolved laser eigenstates. <i>Optics Letters</i> , 1993 , 18, 2056	3	4
73	Fully-correlated multi-mode pumping for low-noise dual-frequency VECSELs. <i>Optics Express</i> , 2018 , 26, 26217-26226	3.3	4
72	Directing random lasing emission using cavity exciton-polaritons. <i>Optics Express</i> , 2020 , 28, 39739-39749	3.3	4
71	Phase evolution of the direct detection noise figure of a nondegenerate fiber phase-sensitive amplifier. <i>Optics Letters</i> , 2018 , 43, 4546	3	4

70	Ultra low noise 10 GHz dual loop optoelectronic oscillator: Experimental results and simple model 2016,		3
69	Laser magnetometer measurement of the natural remanent magnetization of rocks. <i>Applied Physics Letters</i> , 1997 , 70, 3075-3077	3-4	3
68	Stimulated optical pumping in a Tm ³⁺ :YAG crystal. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 386226.8		3
67	Atomic Processing of Optically Carried RF Signals. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2007 , 549-613	1.7	3
66	One- and two-axis laser cavities for dual-frequency operation and microwave generation 2001, 4353, 145		3
65	Spatially resolved eigenstates for traveling and standing waves in ring lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995 , 12, 146	1.7	3
64	Reverse Sagnac Effect in Ring Lasers. <i>Europhysics Letters</i> , 1993 , 21, 291-297	1.6	3
63	Ring-laser gyro with spatially resolved eigenstates. <i>Optics Letters</i> , 1994 , 19, 1219-21	3	3
62	Dynamics of mode-locked nanolasers based on Hermite-Gaussian modes. <i>Physical Review A</i> , 2020 , 102,	2.6	3
61	Phase-sensitive amplification via coherent population oscillations in metastable helium at room temperature. <i>Optics Letters</i> , 2016 , 41, 4731-4734	3	3
60	Compact infrared continuous-wave double-pass single-frequency doubly-resonant OPO. <i>Optics Communications</i> , 2014 , 333, 53-57	2	2
59	Intermodulation distortion analysis of an analog photonic link employing parametric phase sensitive amplification 2014,		2
58	Observation and measurement of an extra phase shift created by optically detuned light storage in metastable helium. <i>Europhysics Letters</i> , 2014 , 105, 44002	1.6	2
57	Optimization of the resonant wave output coupling of a singly resonant optical parametric oscillator using an intracavity plate. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 108, 289-293	1.9	2
56	High power and ultra-low noise VECSEL for high dynamic range and wideband microwave optical links 2013,		2
55	Observation of noise phase locking in a single-frequency VECSEL. <i>Optics Express</i> , 2011 , 19, 17250-9	3.3	2
54	Slow and Fast Light in Semiconductor Optical Amplifiers for Microwave Photonics Applications 2011,		2
53	Thulium doped crystals for quantum information storage. <i>Journal of Luminescence</i> , 2009 , 129, 1951-1954.8		2

52	Slow light using semiconductor optical amplifiers: Model and noise characteristics. <i>Comptes Rendus Physique</i> , 2009 , 10, 991-999	1.4	2
51	Internal reflections of the Gaussian beams in Faraday isolators. <i>Applied Optics</i> , 1997 , 36, 4123-30	1.7	2
50	Optical investigation of nuclear spin coherence in Tm:YAG. <i>Solid State Sciences</i> , 2008 , 10, 1374-1378	3.4	2
49	Wideband RF spectral analyzer based on spectral-spatial holography in : achieved with a highly stabilized frequency chirped laser. <i>Journal of Luminescence</i> , 2007 , 127, 110-115	3.8	2
48	Tunable absolute-frequency laser at 1.5 [micro sign]m. <i>Electronics Letters</i> , 2000 , 36, 1780	1.1	2
47	HeNe laser magnetometry. <i>Journal of Applied Physics</i> , 1998 , 83, 4994-4996	2.5	2
46	Double-helicoidal eigenstates in lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995 , 12, 132	1.7	2
45	Quasi-critical coupling between spatially resolved laser eigenstates: a novel approach to the measurement of intracavity absorption. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995 , 12, 1843	1.7	2
44	Laser optical lever for sensitive detection of trace gases. <i>Electronics Letters</i> , 1994 , 30, 2026-2028	1.1	2
43	Correlation between polarization and intensity in argon-ion lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1994 , 11, 2276	1.7	2
42	Optical nonlinear effects in GaAs/GaAlAs Bragg reflectors. <i>Journal of Applied Physics</i> , 1990 , 67, 3190-3191	1.5	2
41	Hollow-Core Photonic-Bandgap Fiber Resonator for Rotation Sensing 2016 ,		2
40	New method for residual amplitude modulation control in fibered optical experiments. <i>Optics Express</i> , 2021 , 29, 36211-36225	3.3	2
39	In-Situ Measurement of Backscattering in Hollow-Core Fiber Based Resonant Cavities. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-7	1.8	1
38	Photostability of Single-Walled Carbon Nanotubes/Polymer CoreShell Hybrids as Telecom Wavelength Emitters. <i>ACS Applied Nano Materials</i> , 2020 , 3, 7291-7296	5.6	1
37	Contradiction within wave optics and its solution within a particle picture: comment. <i>Optics Express</i> , 2016 , 24, 2106-7	3.3	1
36	2016 ,		1
35	Quantum properties of light propagating in a coherent-population-oscillation storage medium. <i>Physical Review A</i> , 2019 , 100,	2.6	1

34	Experimental design of a low phase noise coupled optoelectronic oscillator at 10 GHz 2017 ,		1
33	Experimental study of the delayed threshold phenomenon in a class-A VECSEL. <i>EPJ Applied Physics</i> , 2012 , 58, 10501	1.1	1
32	Rotating Polarization Probing of Elastic and Inelastic Scatterings. <i>Modern Physics Letters B</i> , 1997 , 11, 219-238	1.6	1
31	Control of the pulse duration in one- and two-axis passively Q-switched solid-state lasers. <i>European Physical Journal D</i> , 2002 , 19, 403-410	1.3	1
30	Resonant diffraction losses in solid-state monomode lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2001 , 18, 780	1.7	1
29	Temporal behavior of an unstable optical cavity. <i>Optics Letters</i> , 1999 , 24, 22-4	3	1
28	Angular momentum transfer between quantum oscillators. <i>Physical Review Letters</i> , 1995 , 74, 1966-1969	7.4	1
27	Optical-activity measurements with bihelicoidal laser eigenstates. <i>Applied Optics</i> , 1995 , 34, 459-62	1.7	1
26	Early cosmic background. <i>Nature</i> , 1991 , 352, 198-198	50.4	1
25	Laser eigenstates in the framework of a spatially generalized Jones matrix formalism: errata. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992 , 9, 2295	1.7	1
24	GaAs/Ga _{1-x} Al _x As Bragg reflectors at absorption wavelengths. <i>Optics Communications</i> , 1989 , 71, 129-132	2	1
23	Investigation of analog signal distortion introduced by a fiber phase sensitive amplifier. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, 2405	1.7	1
22	Investigation of the noise figure in a degenerate dual-pump phase-sensitive amplifier using a multi-wave model. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, 2745	1.7	1
21	Nonlinear response of a gallium phosphide nanopatterned photonic waveguide in the CW regime. <i>Optics Letters</i> , 2019 , 44, 2823	3	1
20	Influence of slow light effect in semiconductor amplifiers on the dynamic range of microwave-photonics links 2009 ,		1
19	Generation of squeezed light vacuum enabled by coherent population trapping. <i>Optics Express</i> , 2021 , 29, 10471-10479	3.3	1
18	Imaging through fog using quadrature lock-in discrimination. <i>OSA Continuum</i> , 2021 , 4, 1649	1.4	1
17	Thermal phase fluctuations in optically pumped dual-frequency vertical external-cavity surface-emitting lasers for cesium clocks based on coherent population trapping. <i>Journal of Applied Physics</i> , 2019 , 126, 173104	2.5	1

16	Optimization of laser dynamics for active stabilization of DF-VECSELS dedicated to cesium CPT clocks. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, 1196	1.7	○
15	Analytical seven-wave model for wave propagation in a degenerate dual-pump fiber phase sensitive amplifier. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021 , 38, 1112	1.7	○
14	Microwave-driven generation and group delay control of optical pulses from an ultra-dilute atomic ensemble. <i>Optics Express</i> , 2021 , 29, 15940-15952	3.3	○
13	Robustness of mode-locking in harmonic cavity nanolasers subjected to potential distortions. <i>Optics Express</i> , 2021 , 29, 5782-5794	3.3	○
12	Microwave controlled ground state coherence in an atom-based optical amplifier. <i>OSA Continuum</i> , 2021 , 4, 702	1.4	○
11	Electromagnetically-induced transparency and slow light in room temperature 4He*. <i>Laser Physics</i> , 2010 , 20, 1234-1243	1.2	
10	Experimental investigation of noise reduction in an opto-microwave link based on highly-dispersive low-loss fiber. <i>EPJ Applied Physics</i> , 2008 , 44, 65-70	1.1	
9	Photon echo chirp transform using a stabilized frequency agile laser. <i>Journal of Luminescence</i> , 2007 , 127, 104-109	3.8	
8	Hole burning study of Tm ³⁺ :YAG hyperfine structure for quantum storage applications. <i>Journal of Luminescence</i> , 2006 , 119-120, 293-297	3.8	
7	The building blocks for a pulsed dual-frequency lidar-radar: concept and preliminary experimental results 2003 , 4833, 153		
6	Quelques propriétés optiques du laser tunnel. <i>Comptes Rendus Physique</i> , 2000 , 1, 639-645		
5	Two-Frequency Lasers: from Excess Quantum Noise to RF Photonics Applications. <i>Acta Physica Polonica A</i> , 2002 , 101, 7-20	0.6	
4	Role of the Earth's Magnetic Field and Atomic Coupling in Polarization Instabilities in Quasi-Isotropic Lasers. <i>Springer Proceedings in Physics</i> , 1991 , 206-213	0.2	
3	Theoretical and experimental study of eigenmodes and eigenstates in ring lasers. Applications to gyrometry and to the detection of small effects. <i>Annales De Physique</i> , 1993 , 18, 449-562		
2	Generalised expression of the noise figure of phase sensitive amplifiers for an arbitrary number of modes. <i>Journal of Optics (United Kingdom)</i> , 2021 , 23, 035201	1.7	
1	Effect of linewidth enhancement factor on the generation of optical vortices in a class-A degenerate cavity semiconductor laser. <i>Optics Express</i> , 2022 , 30, 15648-15658	3.3	