

Fabien Bretenaker

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5486030/fabien-bretenaker-publications-by-year.pdf>

Version: 2024-04-27

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.

231
papers

3,304
citations

29
h-index

43
g-index

337
ext. papers

4,013
ext. citations

3
avg, IF

4.79
L-index

#	Paper	IF	Citations
231	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	
230	Generation of squeezed light vacuum enabled by coherent population trapping. <i>Optics Express</i> , 2021 , 29, 10471-10479	3.3	1
229	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	0
228	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	0
227	Imaging through fog using quadrature lock-in discrimination. <i>OSA Continuum</i> , 2021 , 4, 1649	1.4	1
226	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	
225	Robustness of mode-locking in harmonic cavity nanolasers subjected to potential distortions. <i>Optics Express</i> , 2021 , 29, 5782-5794	3.3	0
224	Microwave controlled ground state coherence in an atom-based optical amplifier. <i>OSA Continuum</i> , 2021 , 4, 702	1.4	0
223	New method for residual amplitude modulation control in fibered optical experiments. <i>Optics Express</i> , 2021 , 29, 36211-36225	3.3	2
222	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
221	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
220	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
219	Directing random lasing emission using cavity exciton-polaritons. <i>Optics Express</i> , 2020 , 28, 39739-39749	3.3	4
218	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	0
217	Dynamics of mode-locked nanolasers based on Hermite-Gaussian modes. <i>Physical Review A</i> , 2020 , 102,	2.6	3
216	Room-Temperature Cavity Polaritons with 3D Hybrid Perovskite: Toward Large-Surface Polaritonic Devices. <i>ACS Photonics</i> , 2019 , 6, 1804-1811	6.3	17
215	Quantum properties of light propagating in a coherent-population-oscillation storage medium. <i>Physical Review A</i> , 2019 , 100,	2.6	1

214	Rotation measurements using a resonant fiber optic gyroscope based on Kagome fiber. <i>Applied Optics</i> , 2019 , 58, 2198-2204	1.7	13
213	Infrared laser threshold magnetometry with a NV doped diamond intracavity etalon. <i>Optics Express</i> , 2019 , 27, 1706-1717	3.3	12
212	Phase-sensitive amplification of an optical field using microwaves. <i>Optics Express</i> , 2019 , 27, 32111-32121	3.3	7
211	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
210	Nonlinear response of a gallium phosphide nanopatterned photonic waveguide in the CW regime. <i>Optics Letters</i> , 2019 , 44, 2823	3	1
209	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
208	Mode Locking of the Hermite-Gaussian Modes of a Nanolaser. <i>Physical Review Letters</i> , 2019 , 123, 233901	7.4	6
207	Ultra-low noise dual-frequency VECSEL at telecom wavelength using fully correlated pumping. <i>Optics Letters</i> , 2018 , 43, 1794-1797	3	8
206	Noise Investigation of a Dual-Frequency VECSEL for Application to Cesium Clocks. <i>Journal of Lightwave Technology</i> , 2018 , 36, 3882-3891	4	6
205	Phase sensitive amplification enabled by coherent population trapping. <i>New Journal of Physics</i> , 2018 , 20, 083043	2.9	6
204	Fully-correlated multi-mode pumping for low-noise dual-frequency VECSELS. <i>Optics Express</i> , 2018 , 26, 26217-26226	3.3	4
203	Phase evolution of the direct detection noise figure of a nondegenerate fiber phase-sensitive amplifier. <i>Optics Letters</i> , 2018 , 43, 4546	3	4
202	In-Situ Measurement of Backscattering in Hollow-Core Fiber Based Resonant Cavities. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-7	1.8	1
201	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
200	Coherent Population Oscillation-Based Light Storage. <i>Physical Review Letters</i> , 2017 , 118, 073605	7.4	13
199	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
198	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
197	A test resonator for Kagome Hollow-core Photonic Crystal Fibers for resonant rotation sensing. <i>Optics Communications</i> , 2017 , 383, 485-490	2	7

196	Experimental design of a low phase noise coupled optoelectronic oscillator at 10 GHz 2017 ,		1
195	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
194	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
193	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
192	Contradiction within wave optics and its solution within a particle picture: comment. <i>Optics Express</i> , 2016 , 24, 2106-7	3-3	1
191	Ultra low noise 10 GHz dual loop optoelectronic oscillator: Experimental results and simple model 2016 ,		3
190	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
189	2016 ,		1
188	Hollow-Core Photonic-Bandgap Fiber Resonator for Rotation Sensing 2016 ,		2
187	Phase-sensitive amplification via coherent population oscillations in metastable helium at room temperature. <i>Optics Letters</i> , 2016 , 41, 4731-4734	3	3
186	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
185	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
184	Investigation of degenerate dual-pump phase sensitive amplifier using multi-wave model. <i>Optics Express</i> , 2015 , 23, 31896-907	3-3	15
183	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
182	Compact infrared continuous-wave double-pass single-frequency doubly-resonant OPO. <i>Optics Communications</i> , 2014 , 333, 53-57	2	2
181	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
180	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
179	Intermodulation distortion analysis of an analog photonic link employing parametric phase sensitive amplification 2014 ,		2

178	Class-A dual-frequency VECSEL at telecom wavelength. <i>Optics Letters</i> , 2014 , 39, 5586-9	3	17
177	Long-range polarimetric imaging through fog. <i>Applied Optics</i> , 2014 , 53, 3854-65	1.7	56
176	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
175	Light storage via coherent population oscillation in a thermal cesium vapor. <i>Physical Review A</i> , 2014 , 90,	2.6	15
174	Light storage in a room-temperature atomic vapor based on coherent population oscillations. <i>Physical Review A</i> , 2014 , 90,	2.6	21
173	Some considerations on slow- and fast-light gyros. <i>Optical Engineering</i> , 2014 , 53, 102706	1.1	9
172	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
171	Polarization-dependent manipulation of optical properties in a tripod system. <i>Physical Review A</i> , 2013 , 88,	2.6	6
170	Orange emission in Pr ³⁺ -doped fluoroindate glasses. <i>Optical Materials</i> , 2013 , 35, 383-386	3.3	32
169	High power and ultra-low noise VECSEL for high dynamic range and wideband microwave optical links 2013 ,		2
168	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
167	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
166	Intensity noise correlations in a two-frequency VECSEL. <i>Optics Express</i> , 2013 , 21, 2538-50	3.3	18
165	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
164	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
163	Ultrannarrow resonance due to coherent population oscillations in a E-type atomic system. <i>Physical Review A</i> , 2012 , 85,	2.6	23
162	Experimental demonstration of a dual-frequency laser free from antiphase noise. <i>Optics Letters</i> , 2012 , 37, 4901-3	3	6
161	Experimental study of the delayed threshold phenomenon in a class-A VECSEL. <i>EPJ Applied Physics</i> , 2012 , 58, 10501	1.1	1

160	Interacting double dark resonances in a hot atomic vapor of helium. <i>Physical Review A</i> , 2011 , 84,	2.6	12
159	Observation of noise phase locking in a single-frequency VECSEL. <i>Optics Express</i> , 2011 , 19, 17250-9	3.3	2
158	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
157	Time delay generation at high frequency using SOA based slow and fast light. <i>Optics Express</i> , 2011 , 19, 21180-8	3.3	49
156	Diode-pumped Pr:BaY2F8 continuous-wave orange laser. <i>Optics Letters</i> , 2011 , 36, 280-2	3	45
155	Photon lifetime in a cavity containing a slow-light medium. <i>Optics Letters</i> , 2011 , 36, 1551-3	3	27
154	Slow and Fast Light in Semiconductor Optical Amplifiers for Microwave Photonics Applications 2011 ,		2
153	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
152	Identification of Fike systems in Er ³⁺ :Y ₂ SiO ₅ and observation of electromagnetically induced transparency. <i>Physical Review B</i> , 2010 , 81,	3.3	35
151	Measurement of the coupling constant in a two-frequency VECSEL. <i>Optics Express</i> , 2010 , 18, 5008-14	3.3	33
150	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
149	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
148	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
147	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
146	Electromagnetically-induced transparency and slow light in room temperature 4He*. <i>Laser Physics</i> , 2010 , 20, 1234-1243	1.2	
145	Orientation of Nd ³⁺ dipoles in yttrium aluminum garnet: Experiment and model. <i>Physical Review A</i> , 2009 , 79,	2.6	7
144	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
143	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

142	Thulium doped crystals for quantum information storage. <i>Journal of Luminescence</i> , 2009 , 129, 1951-1954,8		2
141	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
140	Slow light using semiconductor optical amplifiers: Model and noise characteristics. <i>Comptes Rendus Physique</i> , 2009 , 10, 991-999	1.4	2
139	Experimental demonstration of a tunable dual-frequency semiconductor laser free of relaxation oscillations. <i>Optics Letters</i> , 2009 , 34, 3421-3	3	46
138	Stimulated Raman scattering in an optical parametric oscillator based on periodically poled MgO-doped stoichiometric LiTaO ₃ . <i>Optics Express</i> , 2009 , 17, 5912-8	3.3	14
137	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
136	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
135	Influence of slow light effect in semiconductor amplifiers on the dynamic range of microwave-photonics links 2009 ,		1
134	Optical investigation of nuclear spin coherence in Tm:YAG. <i>Solid State Sciences</i> , 2008 , 10, 1374-1378	3.4	2
133	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
132	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
131	Dual-Frequency Laser at $1.5\ \mu\text{m}$ for Optical Distribution and Generation of High-Purity Microwave Signals. <i>Journal of Lightwave Technology</i> , 2008 , 26, 2764-2773	4	89
130	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
129	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
128	Optical excitation of nuclear spin coherence in a Tm ³⁺ :YAG crystal. <i>Physical Review B</i> , 2008 , 77,	3.3	28
127	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
126	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	
125	Orange avalanche upconversion for high-resolution laser spectroscopy. <i>EPJ Applied Physics</i> , 2007 , 37, 161-168	1.1	7

124	Quantum storage in rare-earth-doped crystals for secure networks. <i>Journal of Luminescence</i> , 2007 , 122-123, 526-528	3.8	4
123	Experimental observation of spectral diffusion in an optically pumped crystal. <i>Journal of Luminescence</i> , 2007 , 127, 65-70	3.8	5
122	Photon echo chirp transform using a stabilized frequency agile laser. <i>Journal of Luminescence</i> , 2007 , 127, 104-109	3.8	
121	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
120	Coherent Raman Beats in. <i>Journal of Luminescence</i> , 2007 , 127, 89-93	3.8	4
119	Stimulated optical pumping in a Tm ³⁺ :YAG crystal. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 386226.8	3.8	3
118	Branching ratio measurement of a Ξ system in Tm ³⁺ :YAG under a magnetic field. <i>Physical Review B</i> , 2007 , 75,	3.3	37
117	Atomic Processing of Optically Carried RF Signals. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2007 , 549-613	1.7	3
116	Active stabilization of a rapidly chirped laser by an optoelectronic digital servo-loop control. <i>Optics Letters</i> , 2007 , 32, 484-6	3	20
115	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
114	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
113	Active mode locking of continuous-wave doubly and singly resonant optical parametric oscillators. <i>Optics Letters</i> , 2007 , 32, 1701-3	3	10
112	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
111	Experimental tailoring of a three-level Ξ system in Tm ³⁺ :YAG. <i>Physical Review B</i> , 2006 , 73,	3.3	47
110	Phase locking of a frequency agile laser. <i>Applied Physics Letters</i> , 2006 , 89, 261115	3.4	23
109	Highly coherent electronically tunable waveguide extended cavity diode laser. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1527-1529	2.2	6
108	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
107	Actively mode-locked optical parametric oscillator. <i>Optics Letters</i> , 2006 , 31, 972-4	3	14

106	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
105	Wideband and high-resolution coherent optical transients with a frequency-agile laser oscillator. <i>Optics Letters</i> , 2006 , 31, 3264-6	3	13
104	Hyperfine structure of Tm ³⁺ in YAG for quantum storage applications. <i>Optical Materials</i> , 2006 , 28, 649-654	3.8	7
103	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	
102	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
101	Photon echoes in an amplifying rare-earth-ion-doped crystal. <i>Optics Letters</i> , 2005 , 30, 1288-90	3	8
100	10-GHz bandwidth RF spectral analyzer with MHz resolution based on spectral hole burning in Tm/sup 3+/:YAG. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 2385-2387	2.2	29
99	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
98	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
97	Generation of tunable high-purity microwave and terahertz signals by two-frequency solid state lasers 2004 , 5466, 131		9
96	Laser diode stabilisation for coherent driving of rare earth ions. <i>Optics Communications</i> , 2004 , 241, 203-213		34
95	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
94	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
93	The building blocks for a pulsed dual-frequency lidar-radar: concept and preliminary experimental results 2003 , 4833, 153		
92	Coherence of pulsed microwave signals carried by two-frequency solid-state lasers. <i>Journal of Lightwave Technology</i> , 2003 , 21, 3037-3042	4	9
91	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
90	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
89	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

88	Building blocks for a two-frequency laser lidar-radar: a preliminary study. <i>Applied Optics</i> , 2002 , 41, 5702-12		51
87	Two-Frequency Lasers: from Excess Quantum Noise to RF Photonics Applications. <i>Acta Physica Polonica A</i> , 2002 , 101, 7-20	0.6	
86	. <i>European Physical Journal D</i> , 2002 , 19, 403-410	1.3	10
85	One- and two-axis laser cavities for dual-frequency operation and microwave generation 2001 , 4353, 145		3
84	Stochastic resonances in an optical two-order parameter vectorial system. <i>Physical Review Letters</i> , 2001 , 87, 213901	7.4	12
83	Rabi-Lorentzian profile of an atomic resonance obtained with Gaussian beams. <i>Physical Review Letters</i> , 2001 , 86, 1175-8	7.4	14
82	Observation of Magnetochiral Birefringence. <i>Physical Review Letters</i> , 2001 , 87,	7.4	64
81	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
80	Measurement of positive and negative Goos-Hänchen effects for metallic gratings near Wood anomalies. <i>Optics Letters</i> , 2001 , 26, 666-8	3	68
79	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
78	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
77	Quelques propriétés optiques du laser tunnel. <i>Comptes Rendus Physique</i> , 2000 , 1, 639-645		
76	Tunable absolute-frequency laser at 1.5 [micro sign]m. <i>Electronics Letters</i> , 2000 , 36, 1780	1.1	2
75	Existence of two coupling constants in microchip lasers. <i>Optics Letters</i> , 2000 , 25, 896-8	3	22
74	Direct measurement of the wigner delay associated with the goos-Hanchen effect. <i>Physical Review Letters</i> , 2000 , 84, 71-4	7.4	33
73	Experimental and theoretical study of longitudinally monomode vectorial solid-state lasers. <i>Physical Review A</i> , 1999 , 59, 831-840	2.6	18
72	Polarization self-modulated lasers with circular eigenstates. <i>Applied Physics Letters</i> , 1999 , 74, 3266-3268	3.4	13
71	The Malus FabryPerot interferometer. <i>Optics Communications</i> , 1999 , 168, 423-443	2	21

70	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
69	Temporal behavior of an unstable optical cavity. <i>Optics Letters</i> , 1999 , 24, 22-4	3	1
68	Self-mode-locked pulsed monomode laser. <i>Optics Letters</i> , 1999 , 24, 229-31	3	6
67	Direct monitoring of the coupling constant in vectorial lasers. <i>Optics Communications</i> , 1998 , 148, 270-274	4	5
66	Cotton-Mouton effect measurement with the Fabry-Perot eigenstates. <i>Applied Physics Letters</i> , 1998 , 73, 1032-1034	3.4	6
65	Resonant cavity gas-phase polarimeter. <i>Analytical Chemistry</i> , 1998 , 70, 4636-9	7.8	23
64	Coherent addition of adjacent lasers by forked eigenstate operation. <i>Applied Optics</i> , 1998 , 37, 2402-6	1.7	23
63	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
62	Vectorial excess noise factor in common lasers. <i>Europhysics Letters</i> , 1998 , 43, 153-158	1.6	22
61	He-Ne laser magnetometry. <i>Journal of Applied Physics</i> , 1998 , 83, 4994-4996	2.5	2
60	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
59	Theoretical and experimental study of eigenstate locking in polarization self-modulated lasers. <i>Physical Review A</i> , 1997 , 56, 5121-5130	2.6	7
58	Differential measurement of the coupling constant between laser eigenstates. <i>Applied Physics Letters</i> , 1997 , 70, 2070-2072	3.4	18
57	Laser magnetometer measurement of the natural remanent magnetization of rocks. <i>Applied Physics Letters</i> , 1997 , 70, 3075-3077	3.4	3
56	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
55	Transverse excess noise factor in geometrically stable laser resonators. <i>Physical Review A</i> , 1997 , 55, 4563-4567	2.6	17
54	Diffraction losses reduction in multiapertured non-Hermitian laser resonators. <i>Physical Review A</i> , 1997 , 55, 781-786	2.6	4
53	Modal analysis of polarization self-modulated lasers. <i>Physical Review A</i> , 1997 , 55, 1391-1397	2.6	17

52	Rotating Polarization Probing of Elastic and Inelastic Scatterings. <i>Modern Physics Letters B</i> , 1997 , 11, 219-238	1.6	1
51	Internal reflections of the Gaussian beams in Faraday isolators. <i>Applied Optics</i> , 1997 , 36, 4123-30	1.7	2
50	Tunable optical microwave source using spatially resolved laser eigenstates. <i>Optics Letters</i> , 1997 , 22, 384-6	3	49
49	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
48	Tunable Two-Frequency Lasers for Lifetime Measurements. <i>Optical Review</i> , 1997 , 4, 550-552	0.9	26
47	Rotating polarization imaging in turbid media. <i>Optics Letters</i> , 1996 , 21, 1706-8	3	48
46	Multiaxis laser eigenstates. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996 , 13, 946	1.7	12
45	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
44	Reverse relative Goos-Hänchen effect. <i>Europhysics Letters</i> , 1996 , 33, 359-364	1.6	6
43	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
42	Small Faraday rotation measurement with a Fabry-Pérot cavity. <i>Applied Physics Letters</i> , 1995 , 66, 3546-3548	3.4	29
41	Rotating Polarization-Induced Resonance in Atoms and Molecules. <i>Physical Review Letters</i> , 1995 , 75, 1907-1910	7.4	6
40	Angular momentum transfer between quantum oscillators. <i>Physical Review Letters</i> , 1995 , 74, 1966-1969	7.4	1
39	Measurement of the Nonlinear Goos-Hänchen Effect for Gaussian Optical Beams. <i>Physical Review Letters</i> , 1995 , 75, 1511-1513	7.4	87
38	Supermirror phase anisotropy measurement. <i>Optics Letters</i> , 1995 , 20, 671-3	3	30
37	Angular Goos-Hänchen effect in curved dielectric microstructures. <i>Optics Letters</i> , 1995 , 20, 1233-5	3	16
36	Double-helicoidal eigenstates in lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995 , 12, 132	1.7	2
35	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

34	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
33	Optical-activity measurements with bihelicoidal laser eigenstates. <i>Applied Optics</i> , 1995 , 34, 459-62	1.7	1
32	Jones matrices of a quarter-wave plate for Gaussian beams. <i>Applied Optics</i> , 1995 , 34, 6806-18	1.7	18
31	Laser optical lever for sensitive detection of trace gases. <i>Electronics Letters</i> , 1994 , 30, 2026-2028	1.1	2
30	Vectorial nonlinear dynamics in lasers with one or two stable eigenstates. <i>Physical Review A</i> , 1994 , 49, 2868-2880	2.6	20
29	Ring-laser gyro with spatially resolved eigenstates. <i>Optics Letters</i> , 1994 , 19, 1219-21	3	3
28	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
27	Pulsed measurement of high-reflectivity mirror phase retardances. <i>Applied Optics</i> , 1994 , 33, 3175-8	1.7	7
26	Differential absorption measurement of methane with two spatially resolved laser lines. <i>Applied Optics</i> , 1994 , 33, 3261-4	1.7	7
25	Polarization dragging in injected lasers. <i>IEEE Journal of Quantum Electronics</i> , 1994 , 30, 2516-2525	2	4
24	Measurement of the Transverse Displacement at Total Reflection by Helicoidal Laser Eigenstates. <i>Europhysics Letters</i> , 1993 , 24, 345-349	1.6	18
23	Reverse Sagnac Effect in Ring Lasers. <i>Europhysics Letters</i> , 1993 , 21, 291-297	1.6	3
22	Resonant diffraction mechanism, nonreciprocity, and lock-in in the ring-laser gyroscope. <i>Physical Review A</i> , 1993 , 47, 543-551	2.6	11
21	Heterodyne spectroscopy with spatially resolved laser eigenstates. <i>Optics Letters</i> , 1993 , 18, 2056	3	4
20	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		
19	Mean-field laser magnetometry. <i>Physical Review Letters</i> , 1992 , 69, 909-912	7.4	21
18	Direct measurement of the optical Goos-Hñchen effect in lasers. <i>Physical Review Letters</i> , 1992 , 68, 931-933	7.4	128
17	. <i>IEEE Journal of Quantum Electronics</i> , 1992 , 28, 348-354	2	11

16	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
15	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
14	Early cosmic background. <i>Nature</i> , 1991 , 352, 198-198	50.4	1
13	Nonlinear intensity effects in a laser generating the three main standing waves. <i>Physical Review A</i> , 1991 , 43, 3704-3709	2.6	8
12	Jones matrices of a tilted plate for Gaussian beams. <i>Applied Optics</i> , 1991 , 30, 305-11	1.7	22
11	Dynamics of circularly polarized eigenstates in lasers with nonweak atomic coupling. <i>Optics Letters</i> , 1991 , 16, 572-4	3	20
10	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
9	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	
8	Vectorial bistability and simultaneity of the two helicoidal stationary eigenstates of a ring laser. <i>Optics Communications</i> , 1990 , 79, 314-320	2	10
7	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
6	Energy exchanges between a rotating retardation plate and a laser beam. <i>Physical Review Letters</i> , 1990 , 65, 2316	7.4	36
5	Specific lenslike effects and resonant diffraction losses in two-isotope gas lasers. <i>Physical Review A</i> , 1990 , 42, 5561-5572	2.6	6
4	Optical nonlinear effects in GaAs/GaAlAs Bragg reflectors. <i>Journal of Applied Physics</i> , 1990 , 67, 3190-3191.5	1.5	2
3	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
2	. <i>IEEE Journal of Quantum Electronics</i> , 1990 , 26, 1451-1454	2	12
1	GaAs/Ga _{1-x} Al _x As Bragg reflectors at absorption wavelengths. <i>Optics Communications</i> , 1989 , 71, 129-132		1