

# Krassimir Panajotov

## 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.

216  
papers

3,513  
citations

31  
h-index

47  
g-index

312  
ext. papers

4,376  
ext. citations

2.9  
avg, IF

5.33  
L-index

#	Paper	IF	Citations
216	All-optical logic devices based on black arsenic phosphorus with strong nonlinear optical response and high stability. <i>Opto-Electronic Advances</i> , <b>2022</b> , 5, 200046-200046	6.5	6
215	Two Polarization Comb Dynamics in VCSELs Subject to Optical Injection. <i>Photonics</i> , <b>2022</b> , 9, 115	2.2	1
214	Coexistence of dark vector soliton Kerr combs in normal dispersion resonators. <i>Physical Review A</i> , <b>2021</b> , 104,	2.6	4
213	Dissipative Light Bullets in Kerr Cavities: Multistability, Clustering, and Rogue Waves. <i>Physical Review Letters</i> , <b>2021</b> , 126, 153902	7.4	8
212	Vectorial dark dissipative solitons in Kerr resonators. <i>OSA Continuum</i> , <b>2021</b> , 4, 1564	1.4	6
211	Discrete light bullets in coupled optical resonators. <i>Optics Letters</i> , <b>2021</b> , 46, 4072-4075	3	3
210	Tailoring frequency combs through VCSEL polarization dynamics. <i>Optics Express</i> , <b>2021</b> , 29, 33976-33991	3.3	3
209	Optical crystals and light-bullets in Kerr resonators. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 152, 111364	9.3	2
208	Oscillatory motion of dissipative solitons induced by delay-feedback in inhomogeneous Kerr resonators. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 152, 111317	9.3	1
207	Control of dissipative rogue waves in nonlinear cavity optics: Optical injection and time-delayed feedback. <i>Chaos</i> , <b>2020</b> , 30, 053103	3.3	5
206	Transverse Mode Mixing in a Coupled-Cavity VCSEL. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 5774-5782	3.2	0
205	Recent progress on optical rogue waves in fiber lasers: status, challenges, and perspectives. <i>Advanced Photonics</i> , <b>2020</b> , 2, 1	8.1	30
204	Nonlinear dynamics of a laser diode with an injection of an optical frequency comb. <i>Optics Express</i> , <b>2020</b> , 28, 30379-30390	3.3	6
203	Optical injection dynamics of frequency combs. <i>Optics Letters</i> , <b>2020</b> , 45, 435	3	9
202	Orthogonally polarized frequency combs in a mode-locked VCSEL. <i>Optics Letters</i> , <b>2020</b> , 45, 252	3	0
201	Coupled-Cavity VCSEL with an Integrated Electro-Absorption Modulator: Small- and Large-Signal Modulation Analysis. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6128	2.6	1
200	Swift-Hohenberg equation with third-order dispersion for optical fiber resonators. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	6

199	Stabilization of localized structures by inhomogeneous injection in Kerr resonators. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	3
198	Electro-Absorption Modulator Vertically Integrated on a VCSEL: Microstrip-Based High-Speed Electrical Injection on Top of a BCB Layer. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 3861-3868	4	1
197	Delay-Differential-Equation Modeling of Mode-Locked Vertical-External-Cavity Surface-Emitting Lasers in Different Cavity Configurations. <i>Materials</i> , <b>2019</b> , 12,	3.5	5
196	High frequency operation of an integrated electro-absorption modulator onto a vertical-cavity surface-emitting laser. <i>JPhys Photonics</i> , <b>2019</b> , 1, 02LT01	2.5	3
195	Vertical electro-absorption modulator design and its integration in a VCSEL. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 145101	3	4
194	Attractor hopping between polarization dynamical states in a vertical-cavity surface-emitting laser subject to parallel optical injection. <i>Physical Review E</i> , <b>2018</b> , 97, 032201	2.4	6
193	The Vertical-Cavity Surface-Emitting Laser as a Sensing Device. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 3185-3192	4	9
192	Dissipative structures in matter out of equilibrium: from chemistry, photonics and biology, the legacy of Ilya Prigogine (part 1). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 376,	3	16
191	Localized chaos of elliptically polarized cavity solitons in broad-area VCSEL with a saturable absorber. <i>Optics Letters</i> , <b>2018</b> , 43, 5663-5666	3	6
190	Stationary localized structures and the effect of the delayed feedback in the Brusselator model. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 376,	3	5
189	Dissipative structures in matter out of equilibrium: from chemistry, photonics and biology, the legacy of Ilya Prigogine (part 2). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 376,	3	6
188	Electrically tunable VCSEL with intra-cavity liquid crystal: Design, optimization, and analysis of polarization- and mode-stability. <i>Optics Communications</i> , <b>2018</b> , 427, 271-277	2	13
187	Subwavelength grating as both emission mirror and electrical contact for VCSELs in any material system. <i>Scientific Reports</i> , <b>2017</b> , 7, 40348	4.9	9
186	Single lithography-step self-aligned fabrication process for Vertical-Cavity Surface-Emitting Lasers. <i>Materials Science in Semiconductor Processing</i> , <b>2017</b> , 61, 35-38	4.3	7
185	Two-dimensional dissipative rogue waves due to time-delayed feedback in cavity nonlinear optics. <i>Chaos</i> , <b>2017</b> , 27, 013119	3.3	23
184	Injection Locking and Polarization Switching Bistability in a 1550 nm VCSEL Subject to Parallel Optical Injection. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 1-10	3.8	11
183	Oxide-confined VCSELs fabricated with a simple self-aligned process flow. <i>Semiconductor Science and Technology</i> , <b>2017</b> , 32, 125004	1.8	1
182	Semiconductor surface emitting lasers for photon pairs generation. <i>Chaos</i> , <b>2017</b> , 27, 104613	3.3	1

181	Strain induced polarization chaos in a solitary VCSEL. <i>Scientific Reports</i> , <b>2017</b> , 7, 14032	4.9	12
180	Frequency locking of a semiconductor laser by a ring fibre resonator. <i>Quantum Electronics</i> , <b>2017</b> , 47, 871-876	1.8	2
179	Drifting cavity solitons and dissipative rogue waves induced by time-delayed feedback in Kerr optical frequency comb and in all fiber cavities. <i>Chaos</i> , <b>2017</b> , 27, 114312	3.3	14
178	Self-injection-locking linewidth narrowing in a semiconductor laser coupled to an external fiber-optic ring resonator. <i>Optics Communications</i> , <b>2017</b> , 405, 253-258	2	12
177	Bifurcation structure of cavity soliton dynamics in a vertical-cavity surface-emitting laser with a saturable absorber and time-delayed feedback. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	9
176	Spatiotemporal chaos and two-dimensional dissipative rogue waves in Lugiato-Lefever model. <i>European Physical Journal D</i> , <b>2017</b> , 71, 1	1.3	19
175	Polarization dynamics induced by parallel optical injection in a single-mode VCSEL. <i>Optics Letters</i> , <b>2017</b> , 42, 2130-2133	3	14
174	Analysis of the polarization of single-mode vertical-cavity surface-emitting lasers subject to parallel optical injection. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, 447	1.7	8
173	Coexistence of cavity solitons with different polarization states and different power peaks in all-fiber resonators. <i>Optics Letters</i> , <b>2017</b> , 42, 2750-2753	3	21
172	Enhancement of Chaos Bandwidth in VCSELs Induced by Simultaneous Orthogonal Optical Injection and Optical Feedback. <i>IEEE Journal of Quantum Electronics</i> , <b>2016</b> , 52, 1-9	2	5
171	Energy exchange between modes in a multimode two-color quantum dot laser with optical feedback. <i>Optics Letters</i> , <b>2016</b> , 41, 3205-8	3	5
170	Impact of time-delayed feedback on spatiotemporal dynamics in the Lugiato-Lefever model. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	13
169	Polarization- and Modal-Control in a Vertical-Cavity Surface-Emitting Laser With an External-Cavity Formed by a Liquid Crystal Overlay. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 5437-5443	4	2
168	Vector cavity solitons in broad area Vertical-Cavity Surface-Emitting Lasers. <i>Scientific Reports</i> , <b>2016</b> , 6, 20428	4.9	14
167	Range-dependent effects of optical feedback on multimode two-color quantum dot lasers <b>2016</b> ,		1
166	Polarization switching and injection locking in vertical-cavity surface-emitting lasers subject to parallel optical injection. <i>Optics Letters</i> , <b>2016</b> , 41, 2664-7	3	25
165	Chaos synchronization in mutually coupled 1550-nm vertical-cavity surface-emitting lasers with parallel polarizations and long delay time. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2016</b> , 33, 90	1.7	10
164	Nonlinear Dynamics of Vertical-Cavity Surface-Emitting Lasers: Deterministic Chaos and Random Number Generation. <i>Springer Proceedings in Physics</i> , <b>2016</b> , 59-69	0.2	

163	Self-Replicating Spots in the Brusselator Model and Extreme Events in the One-Dimensional Case with Delay. <i>Entropy</i> , <b>2016</b> , 18, 64	2.8	15
162	Synchronization of polarization chaos from a free-running VCSEL. <i>Optics Letters</i> , <b>2016</b> , 41, 4492-4495	3	10
161	Concealment of Chaos Time-Delay Signature in Three-Cascaded Vertical-Cavity Surface-Emitting Lasers. <i>IEEE Journal of Quantum Electronics</i> , <b>2016</b> , 1-1	2	4
160	Self-organized light bullets in type-I intracavity second-harmonic generation <b>2016</b> ,		2
159	Complexity of chaos in three cascaded vertical-cavity surface-emitting lasers <b>2016</b> ,		1
158	Roadmap on optical rogue waves and extreme events. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 063001	1	167
157	Self-aligned BCB planarization method for high-frequency signal injection in a VCSEL with an integrated modulator <b>2016</b> ,		1
156	Measurement of Temperature-Dependent Polarization Parameters in Long-Wavelength VCSELs. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2015</b> , 21, 636-642	3.8	10
155	Asymmetric dwell-time statistics of polarization chaos from free-running VCSEL. <i>Optics Letters</i> , <b>2015</b> , 40, 1865-8	3	7
154	Optimization of electrically tunable VCSEL with intracavity nematic liquid crystal. <i>Optics Express</i> , <b>2015</b> , 23, 15706-15	3.3	8
153	Vertical-Cavity Surface-Emitting Laser With Cholesteric Liquid Crystal Overlay. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 20-26	4	6
152	Photonic-Crystal VCSELs <b>2014</b> , 149-194		0
151	Localized structures in dissipative media: from optics to plant ecology. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2014</b> , 372,	3	77
150	Corrections to Mode Competition Induced by Optical Feedback in Two-Color Quantum Dot Lasers [Jul 13 578-585]. <i>IEEE Journal of Quantum Electronics</i> , <b>2014</b> , 50, 174-174	2	
149	Bistability of time-periodic polarization dynamics in a free-running VCSEL. <i>Optics Express</i> , <b>2014</b> , 22, 6772-73	3.3	8
148	Polarization Switching Regions of Optically Injected Long-Wavelength VCSELs. <i>IEEE Journal of Quantum Electronics</i> , <b>2014</b> , 50, 921-928	2	7
147	Physical random bit generation from chaotic solitary laser diode. <i>Optics Express</i> , <b>2014</b> , 22, 17271-80	3.3	63
146	Chaotic behavior of cavity solitons induced by time delay feedback. <i>Optics Letters</i> , <b>2014</b> , 39, 4739-42	3	22

145	Cavity solitons in vertical-cavity surface-emitting lasers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2014</b> , 372,	3	16
144	Phase-bistable patterns and cavity solitons induced by spatially periodic injection into vertical-cavity surface-emitting lasers. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	13
143	Vertical-Cavity Surface-Emitting Laser With a Chiral Nematic Liquid Crystal Overlay. <i>IEEE Photonics Journal</i> , <b>2014</b> , 6, 1-10	1.8	3
142	Experimental observation of localized structures in medium size VCSELs. <i>Optics Express</i> , <b>2014</b> , 22, 762-773	3	16
141	Vertical-cavity surface-emitting laser with a liquid crystal external cavity. <i>Optics Letters</i> , <b>2014</b> , 39, 6494-73		8
140	Switching between ground and excited states by optical feedback in a quantum dot laser diode. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 121109	3.4	17
139	Deterministic polarization chaos in a laser diode. <i>IEICE Proceeding Series</i> , <b>2014</b> , 1, 195-198		
138	Optical Feedback in Vertical-Cavity Surface-Emitting Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2013</b> , 19, 1700312-1700312	3.8	33
137	Continuous Wave Threshold Characteristics of Coupled-Cavity VCSELs: Experiment and Model. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 3726-3734	4	3
136	Vertical-cavity surface-emitting laser emitting circularly polarized light. <i>Laser Physics Letters</i> , <b>2013</b> , 10, 105003	1.5	11
135	Deterministic polarization chaos from a laser diode. <i>Nature Photonics</i> , <b>2013</b> , 7, 60-65	33.9	119
134	Bifurcation to nonlinear polarization dynamics and chaos in vertical-cavity surface-emitting lasers. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	26
133	Fast quantum-optical random-number generators. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	21
132	Photonic Crystal VCSELs: Detailed Comparison of Experimental and Theoretical Spectral Characteristics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2013</b> , 19, 1-8	3.8	6
131	Optimization of Single-Mode Photonic-Crystal Results in Limited Improvement of Emitted Power and Unexpected Broad Range of Tuning. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 1360-1366	4	3
130	Polarization Dynamics of VCSELs. <i>Springer Series in Optical Sciences</i> , <b>2013</b> , 181-231	0.5	10
129	. <i>IEEE Journal of Quantum Electronics</i> , <b>2013</b> , 49, 578-585	2	16
128	Delayed feedback control of self-mobile cavity solitons. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	27

127	Impact of optical feedback on current-induced polarization behavior of 1550 nm vertical-cavity surface-emitting lasers. <i>Applied Optics</i> , <b>2013</b> , 52, 3833-7	1.7	17
126	Delay feedback induces a spontaneous motion of two-dimensional cavity solitons in driven semiconductor microcavities. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	23
125	Monitoring of gamma-irradiated Yb-doped optical fibers through pump induced refractive index changes effect <b>2012</b> ,		1
124	Numerical Self-Consistent Analysis of VCSELs. <i>Advances in Optical Technologies</i> , <b>2012</b> , 2012, 1-17		12
123	VCSEL With Photo-Aligned Liquid Crystal Overlay. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1509-1512.2		13
122	Delay induces motion of multipeak localized structures in cavity semiconductors <b>2012</b> ,		3
121	Traveling wave electrode design of electro-optically modulated coupled-cavity surface-emitting lasers. <i>Optics Express</i> , <b>2012</b> , 20, 26184-99	3.3	3
120	Electro-optically modulated coupled-cavity VCSELs: electrical design optimization for high-speed operation <b>2012</b> ,		1
119	Electrical Design of High-Speed Electro-Optically Modulated Coupled-Cavity VCSELs. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 2992-2998	4	9
118	Two-dimensional point spread matrix of layered metal-dielectric imaging elements. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2011</b> , 28, 111-7	1.8	8
117	Polarization switching and polarization mode hopping in quantum dot vertical-cavity surface-emitting lasers. <i>Optics Express</i> , <b>2011</b> , 19, 2476-84	3.3	19
116	Vertical-cavity surface-emitting laser with liquid crystal overlay. <i>Optics Express</i> , <b>2011</b> , 19, 16749-59	3.3	12
115	Nonlinear Dynamics of Vertical-Cavity Surface-Emitting Lasers. <i>Advances in Optical Technologies</i> , <b>2011</b> , 2011, 1-16		10
114	Precise Lateral Mode Control in Photonic Crystal Vertical-Cavity Surface-Emitting Lasers. <i>IEEE Journal of Quantum Electronics</i> , <b>2011</b> , 47, 1291-1296	2	11
113	Ultrathin Optoelectronic Device Packaging in Flexible Carriers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2011</b> , 17, 617-628	3.8	32
112	Self-pulsations and excitability in optically injected quantum-dot lasers: Impact of the excited states and spontaneous emission noise. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	22
111	Numerical methods for modeling photonic-crystal VCSELs. <i>Optics Express</i> , <b>2010</b> , 18, 16042-54	3.3	24
110	Coupled-cavity surface-emitting lasers: spectral and polarization threshold characteristics and electrooptic switching. <i>Optics Express</i> , <b>2010</b> , 18, 27525-33	3.3	14

109	Photonic crystal vertical-cavity surface-emitting lasers with true photonic bandgap. <i>Optics Letters</i> , <b>2010</b> , 35, 829-31	3	8
108	Intrinsic gain switching in optically injected quantum dot laser lasing simultaneously from the ground and excited state. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 2416	1.7	12
107	Polarization properties and instabilities of QD VCSELs <b>2010</b> ,		1
106	Sensitivity of imaging properties of metal-dielectric layered flat lens to fabrication inaccuracies. <i>Opto-electronics Review</i> , <b>2010</b> , 18,	2.4	5
105	Spontaneous motion of cavity solitons in vertical-cavity lasers subject to optical injection and to delayed feedback. <i>European Physical Journal D</i> , <b>2010</b> , 59, 67-72	1.3	24
104	Fully Flexible Optoelectronic Foil. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2010</b> , 16, 1355-1362	1.36	5
103	Leader-laggard relationship of chaos synchronization in mutually coupled vertical-cavity surface-emitting lasers with time delay. <i>Physical Review E</i> , <b>2009</b> , 79, 026210	2.4	26
102	Optimal photonic-crystal parameters assuring single-mode operation of 1300 nm AlInGaAs vertical-cavity surface-emitting laser. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 093102	2.5	10
101	Use of the Franz-Keldysh effect in self-biased p-i-n-heterostructures for saturable absorber mirrors. <i>Semiconductor Science and Technology</i> , <b>2009</b> , 24, 025001	1.8	2
100	Strong modes discrimination and low threshold in cw regime of 1300 nm AlInGaAs/InP VCSEL induced by photonic crystal. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2009</b> , 206, 1396-1403	1.6	8
99	Mapping of two-polarization-mode dynamics in vertical-cavity surface-emitting lasers with optical injection. <i>Physical Review E</i> , <b>2009</b> , 80, 026218	2.4	16
98	Linearly polarized bistable localized structure in medium-size vertical-cavity surface-emitting lasers. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	34
97	Dynamics of vertical-cavity surface-emitting lasers with optical injection: a two-mode model approach. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2009</b> , 26, 1603	1.7	11
96	Polarization- and Transverse-Mode Dynamics in Optically Injected and Gain-Switched Vertical-Cavity Surface-Emitting Lasers. <i>IEEE Journal of Quantum Electronics</i> , <b>2009</b> , 45, 1473-1481	2	28
95	Polarization Switching in Quantum-Dot Vertical-Cavity Surface-Emitting Lasers. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 1008-1010	2.2	12
94	Rate Equation for the Nonlinear Phase Shift in Yb-Doped Optical Fibers Under Resonant Diode-Laser Pumping. <i>Journal of Holography and Speckle</i> , <b>2009</b> , 5, 299-302		2
93	Transverse mode competition effects on the dynamics of gain-switched vertical-cavity surface-emitting lasers. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 131103	3-4	5
92	Modal gain and confinement factors in top- and bottom-emitting photonic-crystal VCSEL. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 085102	3	12

91	Impact of light polarization on chaos synchronization of mutually coupled VCSELs. <i>Optics Letters</i> , <b>2008</b> , 33, 3031-3	3	13
90	. <i>IEEE Journal of Quantum Electronics</i> , <b>2008</b> , 44, 136-143	2	23
89	Analysis of two-dimensional polarisation-coupled impulse response in multilayered metallic flat lens <b>2008</b> ,		1
88	Low saturation fluence in a semiconductor saturable electroabsorber mirror operated in a self-biased regime. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 103102	2.5	2
87	Excitation of a two-mode limit cycle dynamics on the route to polarization switching in a VCSEL subject orthogonal to optical injection <b>2008</b> ,		2
86	Spectral properties of edge-emitting semiconductor laser subject to optical feedback from extremely short external cavity. <i>Optical and Quantum Electronics</i> , <b>2008</b> , 40, 69-81	2.4	2
85	Threshold characteristics of bottom-emitting long wavelength VCSELs with photonic-crystal within the top mirror. <i>Optical and Quantum Electronics</i> , <b>2008</b> , 40, 149-154	2.4	1
84	Introduction to the special issue of Optical and Quantum Electronics related to the workshops Physics and Applications of Semiconductor LASERS (PHASE 2007) and Instabilities, Patterns and Spatial Solitons (IPSSO 2007). <i>Optical and Quantum Electronics</i> , <b>2008</b> , 40, 65-67	2.4	
83	Highly birefringent and dichroic photonic crystal VCSEL design. <i>Optics Communications</i> , <b>2008</b> , 281, 3149-3152		8
82	Light polarization fingerprints on nonlinear dynamics of vertical-cavity surface-emitting lasers. <i>Opto-electronics Review</i> , <b>2008</b> , 16,	2.4	1
81	Plane-Wave Admittance Method and its Applications to Modelling Photonic Crystal Structures <b>2008</b> , 253-277		1
80	Nonlinear dynamics of the polarization of multitransverse mode vertical-cavity surface-emitting lasers under current modulation. <i>Physical Review E</i> , <b>2007</b> , 76, 046206	2.4	21
79	Modeling of single- and multimode photonic-crystal planar waveguides with the plane-wave admittance method. <i>Applied Physics B: Lasers and Optics</i> , <b>2007</b> , 89, 19-23	1.9	3
78	Modelling leaky photonic wires: A mode solver comparison. <i>Optical and Quantum Electronics</i> , <b>2007</b> , 38, 731-759	2.4	31
77	Introduction to the special issue of Optical and Quantum Electronics related to the workshop Physics of Photonic Crystals and Metamaterials (PPCM). <i>Optical and Quantum Electronics</i> , <b>2007</b> , 39, 269-272	2.4	
76	Modal behavior of photonic-crystal vertical-cavity surface-emitting diode laser analyzed with Plane Wave Admittance Method. <i>Optical and Quantum Electronics</i> , <b>2007</b> , 39, 427-433	2.4	1
75	Numerical analysis of high Q-factor photonic-crystal VCSELs with plane-wave admittance method. <i>Optical and Quantum Electronics</i> , <b>2007</b> , 39, 419-426	2.4	10
74	Waveguiding losses of micro-structured fibres plane wave method revisited. <i>Optical and Quantum Electronics</i> , <b>2007</b> , 39, 469-479	2.4	6

73	Dynamic characteristics of nonlinear Bragg gratings in photonic crystal fibres. <i>Optical and Quantum Electronics</i> , <b>2007</b> , 39, 455-467	2.4	2
72	Frequency-induced polarization bistability in vertical-cavity surface-emitting lasers with orthogonal optical injection. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	33
71	Impact of the hole depth on the modal behaviour of long wavelength photonic crystal VCSELs. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 2732-2735	3	15
70	Polarization synchronization in unidirectionally coupled vertical-cavity surface-emitting lasers with orthogonal optical injection. <i>Physical Review E</i> , <b>2007</b> , 75, 056213	2.4	46
69	Polarized optical feedback from an extremely short external cavity for controlling and stabilizing the polarization of vertical cavity surface emitting lasers. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 121104	3.4	10
68	Experimental evidence of coherence resonance in a time-delayed bistable system. <i>Physical Review Letters</i> , <b>2007</b> , 99, 023903	7.4	41
67	Bifurcation to polarization switching and locking in vertical-cavity surface-emitting lasers with optical injection. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	29
66	Role of external cavity reflectivity for achieving polarization control and stabilization of vertical cavity surface emitting laser. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 031117	3.4	7
65	Linewidth Enhancement Factor of Semiconductor Lasers: Results from Round-Robin Measurements in COST 288 <b>2007</b> ,		3
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1 Study of polarization properties of VCSELs subject to optical feedback from an extremely short external cavity

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