Jesper Moerk

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.

314
papers7,738
citations43
h-index72
g-index479
ext. papers9,385
ext. citations3.7
avg, IF6.07
L-index

#	Paper	IF	Citations
314	Cavity-induced exciton localization and polariton blockade in two-dimensional semiconductors coupled to an electromagnetic resonator. <i>Physical Review Research</i> , 2022 , 4,	3.9	1
313	Crosstalk-free all-optical switching enabled by Fano resonance in a multi-mode photonic crystal nanocavity <i>Optics Express</i> , 2022 , 30, 7457-7466	3.3	0
312	Quantum theory of two-dimensional materials coupled to electromagnetic resonators. <i>Physical Review B</i> , 2022 , 105,	3.3	1
311	Unidirectional quantum transport in optically driven V-type quantum dot chains. <i>Physical Review B</i> , 2021 , 103,	3.3	1
310	Theory of microscopic semiconductor lasers with external optical feedback. <i>Optics Express</i> , 2021 , 29, 14182-14188	3.3	1
309	Quantum Langevin approach for superradiant nanolasers. New Journal of Physics, 2021, 23, 063010	2.9	5
308	Physics and Applications of High-IMicro- and Nanolasers. <i>Advanced Optical Materials</i> , 2021 , 9, 2100415	8.1	5
307	Non-Markovian perturbation theories for phonon effects in strong-coupling cavity quantum electrodynamics. <i>Physical Review B</i> , 2021 , 103,	3.3	3
306	Ultra-coherent Fano laser based on a bound state in the continuum. <i>Nature Photonics</i> , 2021 , 15, 758-76	433.9	11
305	Few-photon transport in Fano-resonance waveguide geometries. <i>Physical Review A</i> , 2020 , 101,	2.6	2
304	Optical signatures of electron-phonon decoupling due to strong light-matter interactions. <i>Physical Review B</i> , 2020 , 102,	3.3	8
303	Efficient stochastic simulation of rate equations and photon statistics of nanolasers. <i>Optics Express</i> , 2020 , 28, 32632-32646	3.3	2
302	All-optical non-linear activation function for neuromorphic photonic computing using semiconductor Fano lasers. <i>Optics Letters</i> , 2020 , 45, 3844-3847	3	9
301	Theory of slow-light semiconductor optical amplifiers. <i>Optics Letters</i> , 2020 , 45, 6022-6025	3	1
300	Phonon effects in quantum dot single-photon sources. Optical Materials Express, 2020, 10, 222	2.6	13
299	Squeezing of intensity noise in nanolasers and nanoLEDs with extreme dielectric confinement. <i>Optica</i> , 2020 , 7, 1641	8.6	7
298	Collective Quantum Memory Activated by a Driven Central Spin. <i>Physical Review Letters</i> , 2019 , 123, 140	15,0.2	14

297	Semiconductor Fano Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-14	3.8	7
296	Comparison of processing-induced deformations of InP bonded to Si determined by e-beam metrology: Direct vs. adhesive bonding. <i>Microelectronic Engineering</i> , 2019 , 214, 93-99	2.5	6
295	Ultrafast parametric process in a photonic-crystal nanocavity switch. <i>Physical Review A</i> , 2019 , 99,	2.6	1
294	Generating Maximal Entanglement between Spectrally Distinct Solid-State Emitters. <i>Physical Review Letters</i> , 2019 , 123, 023603	7.4	3
293	A Simple Coupled-Bloch-Mode Approach to Study Active Photonic Crystal Waveguides and Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-11	3.8	1
292	Light Scattering from Solid-State Quantum Emitters: Beyond the Atomic Picture. <i>Physical Review Letters</i> , 2019 , 123, 167403	7.4	20
291	Two-dimensional phase-space picture of the photonic crystal Fano laser. <i>Physical Review A</i> , 2019 , 100,	2.6	3
290	In-Plane Photonic Crystal Devices using Fano Resonances. Laser and Photonics Reviews, 2019 , 13, 19000	5& .3	18
289	On collective Rabi splitting in nanolasers and nano-LEDs. <i>Optics Letters</i> , 2019 , 44, 1415-1418	3	6
288	Photonic crystal laser based on Fano interference allows for ultrafast frequency modulation in the THz range 2019 ,		1
287	Quantum light-matter interaction and controlled phonon scattering in a photonic Fano cavity. <i>Physical Review B</i> , 2019 , 100,	3.3	12
286	Suppression of Coherence Collapse in Semiconductor Fano Lasers. <i>Physical Review Letters</i> , 2019 , 123, 233904	7.4	9
285	Rate equation description of quantum noise in nanolasers with few emitters. <i>Applied Physics Letters</i> , 2018 , 112, 141103	3.4	26
284	Benchmarking five numerical simulation techniques for computing resonance wavelengths and quality factors in photonic crystal membrane line defect cavities. <i>Optics Express</i> , 2018 , 26, 11366-11392	3.3	10
283	Modes, stability, and small-signal response of photonic crystal Fano lasers. <i>Optics Express</i> , 2018 , 26, 163	65316	37 16
282	Pulse carving using nanocavity-enhanced nonlinear effects in photonic crystal Fano structures. <i>Optics Letters</i> , 2018 , 43, 955-958	3	11
281	Signal reshaping and noise suppression using photonic crystal Fano structures. <i>Optics Express</i> , 2018 , 26, 19596-19605	3.3	15
280	Driving-induced population trapping and linewidth narrowing via the quantum Zeno effect. <i>Physical Review A</i> , 2018 , 97,	2.6	1

279	Numerical solutions to the Laser Rate Equations with noise: technical issues, implementation and pitfalls 2018 ,		5
278	Maximizing the quality factor to mode volume ratio for ultra-small photonic crystal cavities. <i>Applied Physics Letters</i> , 2018 , 113, 241101	3.4	37
277	Cavity-waveguide interplay in optical resonators and its role in optimal single-photon sources. <i>Physical Review B</i> , 2018 , 98,	3.3	9
276	Small and Large Signal Analysis of Photonic Crystal Fano Laser. <i>Journal of Lightwave Technology</i> , 2018 , 36, 5611-5616	4	6
275	Intrinsic and environmental effects on the interference properties of a high-performance quantum dot single-photon source. <i>Physical Review B</i> , 2018 , 97,	3.3	16
274	Demonstration of a self-pulsing photonic crystal Fano laser. <i>Nature Photonics</i> , 2017 , 11, 81-84	33.9	101
273	Type-II quantum-dot-in-nanowire structures with large oscillator strength for optical quantum gate applications. <i>Physical Review B</i> , 2017 , 96,	3.3	9
272	Limitations of two-level emitters as nonlinearities in two-photon controlled-phase gates. <i>Physical Review A</i> , 2017 , 95,	2.6	10
271	Theory of Self-pulsing in Photonic Crystal Fano Lasers. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1700089	8.3	16
270	Probing Electron-Phonon Interaction through Two-Photon Interference in Resonantly Driven Semiconductor Quantum Dots. <i>Physical Review Letters</i> , 2017 , 118, 233602	7.4	40
269	Phonon scattering inhibits simultaneous near-unity efficiency and indistinguishability in semiconductor single-photon sources. <i>Nature Photonics</i> , 2017 , 11, 521-526	33.9	100
268	On the Theory of Coupled Modes in Optical Cavity-Waveguide Structures. <i>Journal of Lightwave Technology</i> , 2017 , 35, 4247-4259	4	19
267	Limits to coherent scattering and photon coalescence from solid-state quantum emitters. <i>Physical Review B</i> , 2017 , 95,	3.3	21
266	Protocol for generating multiphoton entangled states from quantum dots in the presence of nuclear spin fluctuations. <i>Physical Review A</i> , 2017 , 96,	2.6	5
265	Self-consistent Maxwell-Bloch model of quantum-dot photonic-crystal-cavity lasers. <i>Physical Review A</i> , 2017 , 96,	2.6	14
264	2017,		1
263	Optical time domain demultiplexing using fano resonance in InP photonic crystals 2017,		2
262	Control of exceptional points in photonic crystal slabs. <i>Optics Letters</i> , 2017 , 42, 2866-2869	3	9

261	Switching dynamics in InP photonic-crystal nanocavity. Frontiers of Optoelectronics, 2016, 9, 395-398	2.8	
2 60	All-Optical Switching Improvement Using Photonic-Crystal Fano Structures. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-8	1.8	9
259	Threshold Characteristics of Slow-Light Photonic Crystal Lasers. <i>Physical Review Letters</i> , 2016 , 116, 063	99.4	42
258	Photonic crystal Fano structures and their application to ultrafast switching and lasers 2016,		1
257	Ultrafast Coherent Dynamics of a Photonic Crystal All-Optical Switch. <i>Physical Review Letters</i> , 2016 , 117, 233901	7.4	20
256	Ultrahigh-speed Si-integrated on-chip laser with tailored dynamic characteristics. <i>Scientific Reports</i> , 2016 , 6, 38801	4.9	5
255	Spectral symmetry of Fano resonances in a waveguide coupled to a microcavity. <i>Optics Letters</i> , 2016 , 41, 2065-8	3	12
254	A broadband tapered nanocavity for efficient nonclassical light emission. <i>Optics Express</i> , 2016 , 24, 2090	143234	16
253	Numerical Investigation of Vertical Cavity Lasers With High-Contrast Gratings Using the Fourier Modal Method. <i>Journal of Lightwave Technology</i> , 2016 , 34, 4240-4251	4	7
252	Scattering of two photons on a quantum emitter in a one-dimensional waveguide: exact dynamics and induced correlations. <i>New Journal of Physics</i> , 2015 , 17, 023030	2.9	29
251	Strong nonlinearity-induced correlations for counterpropagating photons scattering on a two-level emitter. <i>Physical Review A</i> , 2015 , 91,	2.6	11
250	Ultracompact resonator with high quality-factor based on a hybrid grating structure. <i>Optics Express</i> , 2015 , 23, 14913-21	3.3	17
249	Thermal analysis of line-defect photonic crystal lasers. Optics Express, 2015, 23, 18277-87	3.3	8
248	Ultrafast all-optical modulation using a photonic-crystal Fano structure with broken symmetry. <i>Optics Letters</i> , 2015 , 40, 2357-60	3	29
247	III-V/SOI vertical cavity laser structure for 120 Gbit/s speed 2015 ,		2
246	Observation of resonance fluorescence and the Mollow triplet from a coherently driven site-controlled quantum dot. <i>Optica</i> , 2015 , 2, 1072	8.6	16
245	Hybrid vertical-cavity laser with lateral emission into a silicon waveguide. <i>Laser and Photonics Reviews</i> , 2015 , 9, L11	8.3	31
244	Impact of slow-light enhancement on optical propagation in active semiconductor photonic-crystal waveguides. <i>Physical Review A</i> , 2015 , 92,	2.6	3

243	Two-photon interference from a quantum dot microcavity: Persistent pure dephasing and suppression of time jitter. <i>Physical Review B</i> , 2015 , 91,	3.3	24
242	Vertical-cavity in-plane heterostructures: Physics and applications. <i>Applied Physics Letters</i> , 2015 , 107, 181107	3.4	17
241	Highly directive and Gaussian far-field emission from giant[photonic trumpets. <i>Applied Physics Letters</i> , 2015 , 107, 141106	3.4	25
240	Ultrafast low-energy all-optical switching using a photonic-crystal asymmetric Fano structure 2015 ,		2
239	Semianalytical quasi-normal mode theory for the local density of states in coupled photonic crystal cavity-waveguide structures. <i>Optics Letters</i> , 2015 , 40, 5790-3	3	15
238	Laser Rate Equation-Based Filtering for Carrier Recovery in Characterization and Communication. Journal of Lightwave Technology, 2015 , 33, 3271-3279	4	8
237	Nonreciprocal transmission in a nonlinear photonic-crystal Fano structure with broken symmetry. Laser and Photonics Reviews, 2015 , 9, 241-247	8.3	95
236	Effect of In-plane Mirror Dispersion on Vertical Cavities Based on High-Contrast Grating Mirrors 2015 ,		2
235	Decoherence in semiconductor cavity QED systems due to phonon couplings. <i>Physical Review B</i> , 2014 , 90,	3.3	28
234	Wavelength Conversion of a 9.35-Gb/s RZ OOK Signal in an InP Photonic Crystal Nanocavity. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 257-260	2.2	15
233	Noise Spectrum of a Semiconductor Optical Amplifier Excited by a Modulated Signal. <i>IEEE Journal of Quantum Electronics</i> , 2014 , 50, 243-254	2	1
232	Fano resonance control in a photonic crystal structure and its application to ultrafast switching. <i>Applied Physics Letters</i> , 2014 , 105, 061117	3.4	74
231	Slow-light-enhanced gain in active photonic crystal waveguides. <i>Nature Communications</i> , 2014 , 5, 5039	17.4	48
230	All-optical signal processing using InP photonic-crystal nanocavity switches 2014,		1
229	Photonic crystal Fano laser: terahertz modulation and ultrashort pulse generation. <i>Physical Review Letters</i> , 2014 , 113, 163901	7.4	45
228	Roundtrip matrix method for calculating the leaky resonant modes of open nanophotonic structures. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014 , 31, 2142-51	1.8	20
227	Dual-resonances approach to broadband cavity-assisted optical signal processing beyond the carrier relaxation rate. <i>Optics Letters</i> , 2014 , 39, 3189-92	3	1
226	Bright single photon source based on self-aligned quantum dot-cavity systems. <i>Optics Express</i> , 2014 , 22, 8136-42	3.3	36

225	Hybrid grating reflector with high reflectivity and broad bandwidth. <i>Optics Express</i> , 2014 , 22, 21175-84	3.3	20
224	Nonlinear switching dynamics in a photonic-crystal nanocavity. <i>Applied Physics Letters</i> , 2014 , 105, 07111	2 3.4	13
223	Comparison of different numerical methods for quality factor calculation of nano and micro photonic cavities 2014 ,		2
222	Low-power 10 Gbit/s RZ-OOK all-optical modulation using a novel photonic-crystal Fano switch 2014 ,		1
221	Random nanolasing in the Anderson localized regime. <i>Nature Nanotechnology</i> , 2014 , 9, 285-9	28.7	117
220	Ultra-fast low energy switching using an InP photonic crystal H0 nanocavity 2013 ,		2
219	Dynamical Properties of Nanolasers Based on Few Discrete Emitters. <i>IEEE Journal of Quantum Electronics</i> , 2013 , 49, 945-954	2	18
218	Modeling and Design of High-Efficiency Single-Photon Sources. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 1-16	3.8	26
217	Heterodyne pump probe measurements of nonlinear dynamics in an indium phosphide photonic crystal cavity. <i>Applied Physics Letters</i> , 2013 , 103, 181120	3.4	24
216	Microscopic theory of indistinguishable single-photon emission from a quantum dot coupled to a cavity: The role of non-Markovian phonon-induced decoherence. <i>Physical Review B</i> , 2013 , 87,	3.3	42
215	Proposed quenching of phonon-induced processes in photoexcited quantum dots due to electron-hole asymmetries. <i>Physical Review Letters</i> , 2013 , 110, 087401	7.4	12
214	Dielectric GaAs antenna ensuring an efficient broadband coupling between an InAs quantum dot and a Gaussian optical beam. <i>Physical Review Letters</i> , 2013 , 110, 177402	7.4	99
213	Theory of nanolaser devices: Rate equation analysis versus microscopic theory. <i>Physical Review B</i> , 2013 , 87,	3.3	21
212	VCSELs with a high-index-contrast grating for mode-division multiplexing 2013,		1
211	Improved switching using Fano resonances in photonic crystal structures. <i>Optics Letters</i> , 2013 , 38, 2466	-8,	83
210	A comparison between experiment and theory on few-quantum-dot nanolasing in a photonic-crystal cavity. <i>Optics Express</i> , 2013 , 21, 28507-12	3.3	6
209	Theory of carrier depletion and light amplification in active slow light photonic crystal waveguides. <i>Optics Express</i> , 2013 , 21, 29392-400	3.3	4
208	Switching characteristics of an InP photonic crystal nanocavity: experiment and theory. <i>Optics Express</i> , 2013 , 21, 31047-61	3.3	37

207	Polarization-independent high-index contrast grating and its fabrication tolerances. <i>Applied Optics</i> , 2013 , 52, 1049-53	1.7	24
206	The role of phonon scattering in the indistinguishability of photons emitted from semiconductor cavity QED systems. <i>New Journal of Physics</i> , 2013 , 15, 035027	2.9	33
205	High beta lasing in micropillar cavities with adiabatic layer design. <i>Applied Physics Letters</i> , 2013 , 102, 052114	3.4	18
204	Auger processes mediating the nonresonant optical emission from a semiconductor quantum dot embedded inside an optical cavity. <i>Physical Review Letters</i> , 2013 , 111, 067403	7.4	7
203	Measuring the effective phonon density of states of a quantum dot in cavity quantum electrodynamics. <i>Physical Review B</i> , 2013 , 88,	3.3	20
202	Optimal switching using coherent control. <i>Applied Physics Letters</i> , 2013 , 102, 041107	3.4	11
201	Three-dimensional integral equation approach to light scattering, extinction cross sections, local density of states, and quasi-normal modes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 1996	1.7	20
200	Speed enhancement in VCSELs employing grating mirrors 2013 ,		2
199	Fundamental limitations to gain enhancement in periodic media and waveguides. <i>Physical Review Letters</i> , 2012 , 108, 183903	7.4	32
198	Resonance fluorescence from semiconductor quantum dots: beyond the Mollow triplet. <i>Physical Review Letters</i> , 2012 , 108, 017401	7.4	34
197	Spontaneous emission from large quantum dots in nanostructures: Exciton-photon interaction beyond the dipole approximation. <i>Physical Review B</i> , 2012 , 86,	3.3	37
196	Nonlinear carrier dynamics in a quantum dash optical amplifier. <i>New Journal of Physics</i> , 2012 , 14, 01304	12 2.9	8
195	Multiple-scattering formalism beyond the quasistatic approximation: Analyzing resonances in plasmonic chains 2012 ,		1
194	Modeling of cavities using the analytic modal method and an open geometry formalism. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012 , 29, 1237-46	1.8	3
193	Systematic design of loss-engineered slow-light waveguides. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012 , 29, 2657-66	1.8	16
192	Quantum-dot nano-cavity lasers with Purcell-enhanced stimulated emission. <i>Applied Physics Letters</i> , 2012 , 100, 131107	3.4	30
191	Experimental demonstration of a four-port photonic crystal cross-waveguide structure. <i>Applied Physics Letters</i> , 2012 , 101, 251113	3.4	23
190	Microscopic theory of phonon-induced effects on semiconductor quantum dot decay dynamics in cavity QED. <i>Physical Review B</i> , 2012 , 86,	3.3	43

(2010-2012)

189	Linearly polarized, single-mode spontaneous emission in a photonic nanowire. <i>Physical Review Letters</i> , 2012 , 108, 077405	7.4	35
188	Enhanced gain in photonic crystal amplifiers 2012 ,		1
187	A Non-Hermitian Approach to Non-Linear Switching Dynamics in Coupled Cavity-Waveguide Systems 2012 ,		1
186	Active IIIIV semiconductor photonic crystal waveguides 2011 ,		1
185	The Influence of Optical Filtering on the Noise Performance of Microwave Photonic Phase Shifters Based on SOAs. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1746-1752	4	5
184	Simple and efficient methods for the accurate evaluation of patterning effects in ultrafast photonic switches. <i>Optics Express</i> , 2011 , 19, 155-61	3.3	7
183	Energy-bandwidth trade-off in all-optical photonic crystal microcavity switches. <i>Optics Express</i> , 2011 , 19, 18410-22	3.3	15
182	High-index-contrast grating reflector with beam steering ability for the transmitted beam. <i>Optics Express</i> , 2011 , 19, 23567-72	3.3	33
181	Demultiplexing of OTDM-DPSK signals based on a single semiconductor optical amplifier and optical filtering. <i>Optics Letters</i> , 2011 , 36, 1560-2	3	O
180	Coherent single-photon absorption by single emitters coupled to one-dimensional nanophotonic waveguides. <i>New Journal of Physics</i> , 2011 , 13, 103010	2.9	44
179	Dependence of the modulation response of quantum dot based nanocavity devices on the number of emitters. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011 , 8, 1145-1148		1
178	Modulation response of quantum dot nanolight-emitting-diodes exploiting purcell-enhanced spontaneous emission. <i>Applied Physics Letters</i> , 2011 , 98, 211109	3.4	15
177	Tunable true-time delay of a microwave photonic signal realized by cross gain modulation in a semiconductor waveguide. <i>Applied Physics Letters</i> , 2011 , 99, 231102	3.4	4
176	Decay dynamics of radiatively coupled quantum dots in photonic crystal slabs. <i>Physical Review B</i> , 2011 , 83,	3.3	25
175	Phase-locking regimes of photonic crystal nanocavity laser arrays. <i>Applied Physics Letters</i> , 2011 , 99, 251	1 <u>9.4</u>	3
174	Switch-on dynamics of nanocavity laser devices. <i>Applied Physics Letters</i> , 2011 , 99, 151110	3.4	7
173	Influence of carrier dynamics on the modulation bandwidth of quantum-dot based nanocavity devices. <i>Applied Physics Letters</i> , 2010 , 97, 211106	3.4	8
172	Silicon-photonics light source realized by III V /Si-grating-mirror laser. <i>Applied Physics Letters</i> , 2010 , 97, 151113	3.4	4 ⁰

171	Non-markovian model of photon-assisted dephasing by electron-phonon interactions in a coupled quantum-dot-cavity system. <i>Physical Review Letters</i> , 2010 , 104, 157401	7.4	81
170	Slow and fast light in semiconductor waveguides. Semiconductor Science and Technology, 2010, 25, 0830	0028	11
169	Ultrahigh-Frequency Microwave Phase Shifts Mediated by Ultrafast Dynamics in Quantum-Dot Semiconductor Optical Amplifiers. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 935-937	2.2	1
168	Transverse-mode-selectable microlens vertical-cavity surface-emitting laser. <i>Optics Express</i> , 2010 , 18, 4138-47	3.3	9
167	Wideband 360 degrees microwave photonic phase shifter based on slow light in semiconductor optical amplifiers. <i>Optics Express</i> , 2010 , 18, 6156-63	3.3	70
166	Modulation response of nanoLEDs and nanolasers exploiting Purcell enhanced spontaneous emission. <i>Optics Express</i> , 2010 , 18, 11230-41	3.3	67
165	Spontaneous decay of a single quantum dot coupled to a metallic slot waveguide in the presence of leaky plasmonic modes. <i>Optics Express</i> , 2010 , 18, 12489-98	3.3	25
164	Slow-light enhanced absorption in a hollow-core fiber. <i>Optics Express</i> , 2010 , 18, 14270-9	3.3	12
163	Theory of passively mode-locked photonic crystal semiconductor lasers. <i>Optics Express</i> , 2010 , 18, 18003	-3.4	21
162	Designs for high-efficiency electrically pumped photonic nanowire single-photon sources. <i>Optics Express</i> , 2010 , 18, 21204-18	3.3	40
161	Enhancing slow- and fast-light effects in quantum-dot semiconductor waveguides through ultrafast dynamics. <i>Optics Letters</i> , 2010 , 35, 697-9	3	8
160	Concept for phase-to-intensity conversion in SOAs by facet reflections. <i>Optics Letters</i> , 2010 , 35, 775-7	3	
159	On the use of slow light for enhancing waveguide properties. <i>Optics Letters</i> , 2010 , 35, 2834-6	3	14
158	Light propagation in finite-sized photonic crystals: multiple scattering using an electric field integral equation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010 , 27, 228	1.7	11
157	A scheme comparison of AutlerTownes based slow light in inhomogeneously broadened quantum dot media. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010 , 27, 2654	1.7	11
156	Slow and Fast Light Effects and Their Applications to Microwave Photonics Using Semiconductor Optical Amplifiers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 3022-3038	4.1	27
155	High-index-contrast subwavelength grating VCSEL 2010 ,		9
154	Finite-element modeling of spontaneous emission of a quantum emitter at nanoscale proximity to plasmonic waveguides. <i>Physical Review B</i> , 2010 , 81,	3.3	104

(2009-2010)

153	Pulse Delay Measurements in Cascaded Quantum-Well Gain and Absorber Media. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 365-367	2.2	1
152	Investigation of Patterning Effects in Ultrafast SOA-Based Optical Switches. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 87-94	2	34
151	Broadband MEMS-Tunable High-Index-Contrast Subwavelength Grating Long-Wavelength VCSEL. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 1245-1253	2	33
150	Numerical and Experimental Study of the \$Q\$ Factor of High-\$Q\$ Micropillar Cavities. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 1470-1483	2	29
149	Modeling of Mode-Locked Coupled-Resonator Optical Waveguide Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 1804-1812	2	5
148	Oscillatory variations in the Q factors of high quality micropillar cavities. <i>Applied Physics Letters</i> , 2009 , 94, 061108	3.4	21
147	Slow light in quantum dot photonic crystal waveguides. <i>Applied Physics Letters</i> , 2009 , 94, 113111	3.4	19
146	Vectorial analysis of dielectric photonic crystal VCSEL 2009 ,		2
145	Investigation of patterning effect in ultrafast SOA-based optical switches 2009,		3
144	Slow and fast light: Controlling the speed of light using semiconductor waveguides. Laser and	0 -	
	Photonics Reviews, 2009 , 3, 30-44	8.3	22
143	2R-Regeneration in a monolithically integrated four-section SOAEA chip. <i>Optics Communications</i> , 2009 , 282, 117-121	2	6
143	2R-Regeneration in a monolithically integrated four-section SOAEA chip. <i>Optics Communications</i> ,		
	2R-Regeneration in a monolithically integrated four-section SOAEA chip. <i>Optics Communications</i> , 2009 , 282, 117-121	2	6
142	2R-Regeneration in a monolithically integrated four-section SOAEA chip. <i>Optics Communications</i> , 2009 , 282, 117-121 Slow light pulse propagation in dispersive media. <i>Comptes Rendus Physique</i> , 2009 , 10, 957-963 Comparison of electromagnetically induced transparency schemes in semiconductor quantum dot	2	6
142	2R-Regeneration in a monolithically integrated four-section SOAEA chip. <i>Optics Communications</i> , 2009 , 282, 117-121 Slow light pulse propagation in dispersive media. <i>Comptes Rendus Physique</i> , 2009 , 10, 957-963 Comparison of electromagnetically induced transparency schemes in semiconductor quantum dot structures: Impact of many-body interactions. <i>Physical Review B</i> , 2009 , 79,	2	6 2 21
142 141 140	2R-Regeneration in a monolithically integrated four-section SOAEA chip. <i>Optics Communications</i> , 2009 , 282, 117-121 Slow light pulse propagation in dispersive media. <i>Comptes Rendus Physique</i> , 2009 , 10, 957-963 Comparison of electromagnetically induced transparency schemes in semiconductor quantum dot structures: Impact of many-body interactions. <i>Physical Review B</i> , 2009 , 79, Selectively-pumped graiting-mirror long wavelength VCSEL 2009 , Microwave phase shifter with controllable power response based on slow- and fast-light effects in	2 1.4 3.3	6 2 21 1
142 141 140 139	2R-Regeneration in a monolithically integrated four-section SOAEA chip. <i>Optics Communications</i> , 2009 , 282, 117-121 Slow light pulse propagation in dispersive media. <i>Comptes Rendus Physique</i> , 2009 , 10, 957-963 Comparison of electromagnetically induced transparency schemes in semiconductor quantum dot structures: Impact of many-body interactions. <i>Physical Review B</i> , 2009 , 79, Selectively-pumped graiting-mirror long wavelength VCSEL 2009 , Microwave phase shifter with controllable power response based on slow- and fast-light effects in semiconductor optical amplifiers. <i>Optics Letters</i> , 2009 , 34, 929-31 Photonic generation of ultrawideband monocycle and doublet pulses by using a	2 1.4 3.3	6 2 21 1 40

135	Reducing the impact of inhomogeneous broadening on quantum dot based electromagnetically induced transparency. <i>Applied Physics Letters</i> , 2009 , 94, 071108	3.4	26
134	Quantum dot waveguides: Ultrafast dynamics and applications 2009,		1
133	Optical properties and optimization of electromagnetically induced transparency in strained InAs/GaAs quantum dot structures. <i>Physical Review B</i> , 2009 , 80,	3.3	36
132	General Method for Calculating the Response and Noise Spectra of Active FabryPerot Semiconductor Waveguides With External Optical Injection. <i>IEEE Journal of Quantum Electronics</i> , 2009 , 45, 950-963	2	3
131	Experimental Demonstration of 360°1 Tunable RF Phase Shift Using Slow and Fast Light Effects 2009 ,		4
130	Enhancing light slow-down in semiconductor optical amplifiers by optical filtering. <i>Optics Letters</i> , 2008 , 33, 1084-6	3	46
129	Fractional decay of quantum dots in real photonic crystals. Optics Letters, 2008, 33, 1557-9	3	9
128	Controlling the emission profile of a nanowire with a conical taper. <i>Optics Letters</i> , 2008 , 33, 1693-5	3	64
127	Introduction to the Feature Issue on Slow Light and Its Applications. <i>Journal of Lightwave Technology</i> , 2008 , 26, 3707-3707	4	
126	Theory of Optical-Filtering Enhanced Slow and Fast Light Effects in Semiconductor Optical Waveguides. <i>Journal of Lightwave Technology</i> , 2008 , 26, 3734-3743	4	24
125	Reduction of patterning effects in SOA-based wavelength converters by combining cross-gain and cross-absorption modulation. <i>Optics Express</i> , 2008 , 16, 21522-8	3.3	9
124	Subwavelength Grating-Mirror VCSEL With a Thin Oxide Gap. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 105-107	2.2	45
123	Broadband subwavelength grating mirror and its application to vertical-cavity surface-emitting laser 2008 ,		1
122	Broadband microwave photonic phase shifter based on polarisation rotation. <i>Electronics Letters</i> , 2008 , 44, 684	1.1	4
121	Influence of pure dephasing on emission spectra from single photon sources. <i>Physical Review A</i> , 2008 , 78,	2.6	78
120	Low-noise monolithic mode-locked semiconductor lasers through low-dimensional structures 2008,		3
119	An improved perfectly matched layer for the eigenmode expansion technique. <i>Optical and Quantum Electronics</i> , 2008 , 40, 957-966	2.4	9
118	Pulse delay and speed-up of ultra fast pulses in an absorbing quantum well medium 2008,		1

(2006-2008)

117	Chirp Dependence of Filter Assisted Slow and Fast Light Effects in Semiconductor Optical Amplifiers 2008 ,		1
116	The Effect of Timing Jitter on a 160-Gb/s Demultiplexer. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 957-959	2.2	1
115	Slow Light in a Semiconductor Waveguide for True-Time Delay Applications in Microwave Photonics. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1145-1147	2.2	42
114	Controlling Microwave Signals by Means of Slow and Fast Light Effects in SOA-EA Structures. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1589-1591	2.2	10
113	Large Microwave Phase Shift and Small Distortion in an Integrated Waveguide Device 2007,		1
112	10 Gb/s-NRZ Optical 2R-Regeneration in Two-Section SOA-EA Chip 2007 ,		4
111	Numerical investigation of electromagnetically induced transparency in a quantum dot structure. <i>Optics Express</i> , 2007 , 15, 6396-408	3.3	66
110	Phase Noise Analysis of Clock Recovery Based on an Optoelectronic Phase-Locked Loop. <i>Journal of Lightwave Technology</i> , 2007 , 25, 901-914	4	6
109	Output Power PDF of a Saturated Semiconductor Optical Amplifier: Second-Order Noise Contributions by Path Integral Method. <i>IEEE Journal of Quantum Electronics</i> , 2007 , 43, 1188-1197	2	6
108	Quality factors of nonideal micro pillars. <i>Applied Physics Letters</i> , 2007 , 91, 011116	3.4	11
107	Quality factors of nonideal micro pillars. <i>Applied Physics Letters</i> , 2007 , 91, 011116 Uskov et al. Reply:. <i>Physical Review Letters</i> , 2006 , 96,	3·4 7·4	11
	Uskov et al. Reply:. <i>Physical Review Letters</i> , 2006 , 96,		
107	Uskov et al. Reply:. <i>Physical Review Letters</i> , 2006 , 96,		
107	Uskov et al. Reply:. <i>Physical Review Letters</i> , 2006 , 96, Slow and fast light in SOA-EA structures for phased-array antennas 2006 , Influence of wetting-layer wave functions on phonon-mediated carrier capture into self-assembled	7.4	2
107 106 105	Uskov et al. Reply:. <i>Physical Review Letters</i> , 2006 , 96, Slow and fast light in SOA-EA structures for phased-array antennas 2006 , Influence of wetting-layer wave functions on phonon-mediated carrier capture into self-assembled quantum dots. <i>Physical Review B</i> , 2006 , 74, Analysis of timing jitter in external-cavity mode-locked semiconductor lasers. <i>IEEE Journal of</i>	7·4 3·3	1 2 26
107 106 105	Uskov et al. Reply:. <i>Physical Review Letters</i> , 2006 , 96, Slow and fast light in SOA-EA structures for phased-array antennas 2006 , Influence of wetting-layer wave functions on phonon-mediated carrier capture into self-assembled quantum dots. <i>Physical Review B</i> , 2006 , 74, Analysis of timing jitter in external-cavity mode-locked semiconductor lasers. <i>IEEE Journal of Quantum Electronics</i> , 2006 , 42, 249-256 Dynamic Spatiotemporal Speed Control of Ultrashort Pulses in Quantum-Dot SOAs. <i>IEEE Journal of</i>	7·4 3·3	1 2 26 37
107 106 105 104 103	Uskov et al. Reply:. <i>Physical Review Letters</i> , 2006 , 96, Slow and fast light in SOA-EA structures for phased-array antennas 2006 , Influence of wetting-layer wave functions on phonon-mediated carrier capture into self-assembled quantum dots. <i>Physical Review B</i> , 2006 , 74, Analysis of timing jitter in external-cavity mode-locked semiconductor lasers. <i>IEEE Journal of Quantum Electronics</i> , 2006 , 42, 249-256 Dynamic Spatiotemporal Speed Control of Ultrashort Pulses in Quantum-Dot SOAs. <i>IEEE Journal of Quantum Electronics</i> , 2006 , 42, 1047-1054 Steep and adjustable transfer functions of monolithic SOA-EA 2R regenerators. <i>IEEE Photonics</i>	7·4 3·3 2	1 2 26 37 16

99	Pulse properties of external-cavity mode-locked semiconductor lasers. <i>Optics Express</i> , 2006 , 14, 1119-24	43.3	4
98	Bandwidth enhancement of SOA-based switches using optical filtering: theory and experimental verification. <i>Optics Express</i> , 2006 , 14, 1260-5	3.3	13
97	Monolithically integrated reflective SOA-EA carrier re-modulator for broadband access nodes. <i>Optics Express</i> , 2006 , 14, 8060-4	3.3	15
96	Voltage-controlled slow light in an integrated semiconductor structure with net gain. <i>Optics Express</i> , 2006 , 14, 9955-62	3.3	27
95	Modeling of bit error rate in cascaded 2R regenerators. <i>Journal of Lightwave Technology</i> , 2006 , 24, 1057	7- ₄ 1063	14
94	Semiconductor quantum dots devices: Recent advances and application prospects. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3981-3987	1.3	13
93	Experimental demonstration and theoretical analysis of slow light in a semiconductor waveguide at GHz frequencies 2005 ,		1
92	Timing jitter analysis for clock recovery circuits based on an optoelectronic phase-locked loop (OPLL) 2005 ,		2
91	Theoretical and experimental study of fundamental differences in the noise suppression of high-speed SOA-based all-optical switches. <i>Optics Express</i> , 2005 , 13, 5080-6	3.3	6
90	Controllable delay of ultrashort pulses in a quantum dot optical amplifier. <i>Optics Express</i> , 2005 , 13, 803	23 73	40
89	Slow light in a semiconductor waveguide at gigahertz frequencies. <i>Optics Express</i> , 2005 , 13, 8136-45	3.3	142
88	Measurements and Simulations of nonlinear noise redistribution in an SOA. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 16-18	2.2	3
87	A new orthogonal labeling scheme based on a 40-Gb/s DPSK payload and a 2.5-Gb/s PolSK label. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 2772-2774	2.2	17
86	InP based lasers and optical amplifiers with wire-/dot-like active regions. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 2088-2102	3	101
85	Integrated SOA-MZI for pattern-effect-free amplification. <i>Electronics Letters</i> , 2005 , 41, 549	1.1	7
84	Design and evaluation of mode-locked semiconductor lasers for low noise and high stability (Invited Paper) 2005 , 5825, 37		2
83	Impact of Optical Filtering on Linear and Nonlinear Patterning Effects in SOA-based All-optical Switches 2005 ,		2
82	Low-jitter and high-power 40-GHz all-active mode-locked lasers. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 975-977	2.2	48

(2002-2004)

81	Gain dynamics and saturation in semiconductor quantum dot amplifiers. <i>New Journal of Physics</i> , 2004 , 6, 178-178	2.9	31
80	Increasing the modulation bandwidth of semiconductor-optical-amplifier-based switches by using optical filtering. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004 , 21, 1606	1.7	62
79	7x 40 Gb/s base-rate RZ all-optical broadcasting utilizing an electroabsorption modulator. <i>Optics Express</i> , 2004 , 12, 416-20	3.3	19
78	Improving the all-optical response of SOAs using a modulated holding signal. <i>Journal of Lightwave Technology</i> , 2004 , 22, 1303-1308	4	15
77	. IEEE Journal of Quantum Electronics, 2004 , 40, 306-320	2	103
76	Noise and regeneration in semiconductor waveguides with saturable gain and absorption. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 245-255	2	27
75	Saturation and noise properties of quantum-dot optical amplifiers. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 1527-1539	2	102
74	High-performance 10 GHz all-active monolithic modelocked semiconductor lasers. <i>Electronics Letters</i> , 2004 , 40, 735	1.1	21
73	Numerical investigations on the performance of external cavity mode-locked semiconductor lasers 2004 ,		1
72	On high-speed cross-gain modulation without pattern effects in quantum dot semiconductor optical amplifiers. <i>Optics Communications</i> , 2003 , 227, 363-369	2	31
71	Two-phonon capture processes into quantum dots: the role of intermediate states. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 17, 111-113	3	
70	Quantum dot amplifiers with high output power and low noise. <i>Applied Physics Letters</i> , 2003 , 82, 3083-3	30,825	72
69	Absorption recovery in strongly saturated quantum-well electroabsorption modulators. <i>IEEE Photonics Technology Letters</i> , 2003 , 15, 676-678	2.2	7
68	Analytical expression for the bit error rate of cascaded all-optical regenerators. <i>IEEE Photonics Technology Letters</i> , 2003 , 15, 1479-1481	2.2	30
67	Optical label encoding using electroabsorption modulators and investigation of chirp properties. <i>Journal of Lightwave Technology</i> , 2003 , 21, 1763-1769	4	27
66	Geometry dependence of Auger carrier capture rates into cone-shaped self-assembled quantum dots. <i>Physical Review B</i> , 2003 , 67,	3.3	38
65	Noise and saturation properties of semiconductor quantum dot optical amplifiers 2002, OWC5		
64	Modeling of carrier dynamics in quantum-well electroabsorption modulators. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2002 , 8, 1265-1276	3.8	25

63	BER estimation for all-optical regenerators influenced by pattern effects. <i>IEEE Photonics Technology Letters</i> , 2002 , 14, 33-35	2.2	8
62	Heterodyne technique for measuring the amplitude and phase transfer functions of an optical modulator. <i>IEEE Photonics Technology Letters</i> , 2002 , 14, 621-623	2.2	21
61	Influence of quasibound states on the carrier capture in quantum dots. <i>Applied Physics Letters</i> , 2002 , 81, 4318-4320	3.4	10
60	One- and two-phonon capture processes in quantum dots. <i>Journal of Applied Physics</i> , 2002 , 92, 5982-599	9<u>0</u>.5	38
59	Comparison of all-optical co- and counter-propagating high-speed signal processing in SOA-based Machlehnder interferometers. <i>Optical and Quantum Electronics</i> , 2001 , 33, 907-926	2.4	22
58	Pattern effects and noise accumulation in concatenated all-optical regenerators 2001,		1
57	Ultrafast gain recovery and modulation limitations in self-assembled quantum-dot devices. <i>IEEE Photonics Technology Letters</i> , 2001 , 13, 541-543	2.2	174
56	Line broadening caused by Coulomb carrierdarrier correlations and dynamics of carrier capture and emission in quantum dots. <i>Applied Physics Letters</i> , 2001 , 79, 1679-1681	3.4	37
55	Room-Temperature Dephasing in InAs Quantum Dots. <i>Physica Status Solidi A</i> , 2000 , 178, 337-340		1
54	Non-adiabatic effects in semiconductor waveguides 2000,		3
53	Dephasing times in quantum dots due to elastic LO phonon-carrier collisions. <i>Physical Review Letters</i> , 2000 , 85, 1516-9	7.4	73
52	All-optical signal regeneration at 40 Gbit/s using a Mach-Zehnder interferometer based on semiconductor optical amplifiers 2000 ,		1
51	Separation of coherent and incoherent nonlinearities in a heterodyne pump-probe experiment. <i>Optics Express</i> , 2000 , 7, 107-12	3.3	20
50	All-optical wavelength conversion and signal regeneration using an electroabsorption modulator. <i>Journal of Lightwave Technology</i> , 2000 , 18, 1121-1127	4	30
49	A transfer function approach to the small-signal response of saturated semiconductor optical amplifiers. <i>Journal of Lightwave Technology</i> , 2000 , 18, 2151-2157	4	8
	amplifiers. Journal of Lightwave Technology, 2000 , 16, 2131-2131		
48	Measurement of pulse amplitude and phase distortion in a semiconductor optical amplifier: from pulse compression to breakup. <i>IEEE Photonics Technology Letters</i> , 2000 , 12, 1674-1676	2.2	25
48 47	Measurement of pulse amplitude and phase distortion in a semiconductor optical amplifier: from	2.2	25

45	Heterodyne pump-probe and four-wave mixing in semiconductor optical amplifiers using balanced lock-in detection. <i>Optics Communications</i> , 1999 , 169, 317-324	2	56
44	The modulation response of a semiconductor laser amplifier. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1999 , 5, 851-860	3.8	44
43	Dephasing in InAs/GaAs quantum dots. <i>Physical Review B</i> , 1999 , 60, 7784-7787	3.3	103
42	Bidirectional four-wave mixing in semiconductor optical amplifiers: theory and experiment. <i>Journal of Lightwave Technology</i> , 1999 , 17, 1617-1625	4	14
41	Bit rate and pulse width dependence of four-wave mixing of short optical pulses in semiconductor optical amplifiers. <i>Optics Letters</i> , 1999 , 24, 1675-7	3	2
40	Transient and time-resolved four-wave mixing with collinear pump and probe pulses using the heterodyne technique. <i>Journal of Optics</i> , 1998 , 7, 335-344		2
39	Chirp of monolithic colliding pulse mode-locked diode lasers. <i>Applied Physics Letters</i> , 1997 , 70, 2514-25	16.4	9
38	Temporal and spectral dynamics in multiquantum-well semiconductor saturable absorbers. <i>IEEE Photonics Technology Letters</i> , 1997 , 9, 622-624	2.2	5
37	Saturation induced by picosecond pulses in semiconductor optical amplifiers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997 , 14, 761	1.7	111
36	Saturation effects in nondegenerate four-wave mixing between short optical pulses in semiconductor laser amplifiers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1997 , 3, 1190-12	03-8	132
35	Theory of nondegenerate four-wave mixing between pulses in a semiconductor waveguide. <i>IEEE Journal of Quantum Electronics</i> , 1997 , 33, 545-555	2	30
34	Subpicosecond heterodyne four-wave mixing experiments on InGaAsP semiconductor laser amplifiers. <i>Optics Communications</i> , 1997 , 139, 117-124	2	5
33	. IEEE Photonics Technology Letters, 1996 , 8, 40-42	2.2	13
32	Optical generation of millimeter-waves using a dual-polarization emission external cavity diode laser. <i>IEEE Photonics Technology Letters</i> , 1996 , 8, 157-159	2.2	20
31	Femtosecond carrier dynamics and modelocking in monolithic CPM lasers. <i>IEEE Photonics Technology Letters</i> , 1996 , 8, 1308-1310	2.2	2
30	Transient four-wave mixing with a collinear pump and probe. <i>Optics Letters</i> , 1996 , 21, 1017-9	3	14
29	Modeling and characterization of colliding pulse mode-locked (CPM) quantum well lasers 1996,		2
28	Time-resolved spectroscopy of semiconductor laser devices: experiments and modeling 1995,		10

27	. IEEE Photonics Technology Letters, 1995 , 7, 1148-1150	2.2	9
26	Terahertz four-wave mixing in semiconductor optical amplifiers: Experiment and theory. <i>Applied Physics Letters</i> , 1994 , 65, 944-946	3.4	38
25	Carrier temperature and spectral holeburning dynamics in InGaAsP quantum well laser amplifiers. <i>Applied Physics Letters</i> , 1994 , 64, 143-145	3.4	18
24	Characterization and modelling of ultrafast carrier dynamics in quantum well optical amplifiers 1994 , 2146, 52		6
23	Dynamical and noise properties of laser diodes subject to strong optical feedback. <i>Optics Letters</i> , 1994 , 19, 2137-9	3	32
22	Wave mixing in semiconductor laser amplifiers due to carrier heating and spectral-hole burning. <i>IEEE Journal of Quantum Electronics</i> , 1994 , 30, 1769-1781	2	188
21	. IEEE Journal of Quantum Electronics, 1992 , 28, 93-108	2	422
20	. IEEE Photonics Technology Letters, 1992 , 4, 443-446	2.2	70
19	Dynamics of additive-pulse mode-locked fibre lasers. <i>Optics Communications</i> , 1992 , 90, 65-69	2	7
18	Subpicosecond gain dynamics in InGaAsP optical amplifiers: Experiment and theory. <i>Applied Physics Letters</i> , 1992 , 61, 2281-2283	3.4	137
17	. IEEE Photonics Technology Letters, 1991, 3, 606-609	2.2	130
16	Split-step spectral method for nonlinear schrdinger equation with constant background intensities. <i>Journal of Computational Physics</i> , 1990 , 86, 492-495	4.1	4
15	. IEEE Photonics Technology Letters, 1990 , 2, 21-23	2.2	41
14	. IEEE Photonics Technology Letters, 1990 , 2, 549-552	2.2	28
13	Route to chaos and competition between relaxation oscillations for a semiconductor laser with optical feedback. <i>Physical Review Letters</i> , 1990 , 65, 1999-2002	7.4	141
12	. IEEE Journal of Quantum Electronics, 1990 , 26, 642-654	2	67
11	. IEEE Journal of Quantum Electronics, 1988, 24, 123-133	2	143
10	Limits of stable operation of AR-coated semiconductor lasers with strong optical feedback. <i>Electronics Letters</i> , 1988 , 24, 1065	1.1	14

LIST OF PUBLICATIONS

9	9	Theoretical and experimental investigation of a balanced phase-locked loop based clock recovery at a bit rate of 160 Gb/s	1
8	8	Semiconductor devices for all-optical regeneration	4
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