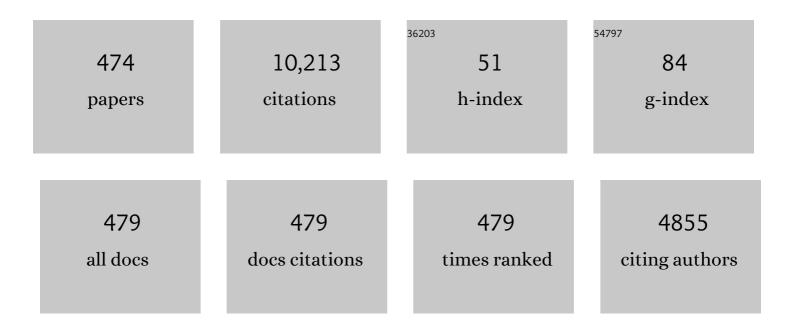
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Chaos in semiconductor lasers with optical feedback: theory and experiment. IEEE Journal of Quantum Electronics, 1992, 28, 93-108.	1.0	493
2	Slow light in a semiconductor waveguide at gigahertz frequencies. Optics Express, 2005, 13, 8136.	1.7	227
3	Wave mixing in semiconductor laser amplifiers due to carrier heating and spectral-hole burning. IEEE Journal of Quantum Electronics, 1994, 30, 1769-1781.	1.0	224
4	Ultrafast gain recovery and modulation limitations in self-assembled quantum-dot devices. IEEE Photonics Technology Letters, 2001, 13, 541-543.	1.3	216
5	Saturation effects in nondegenerate four-wave mixing between short optical pulses in semiconductor laser amplifiers. IEEE Journal of Selected Topics in Quantum Electronics, 1997, 3, 1190-1207.	1.9	176
6	Bistability and low-frequency fluctuations in semiconductor lasers with optical feedback: a theoretical analysis. IEEE Journal of Quantum Electronics, 1988, 24, 123-133.	1.0	173
7	Route to chaos and competition between relaxation oscillations for a semiconductor laser with optical feedback. Physical Review Letters, 1990, 65, 1999-2002.	2.9	172
8	Demonstration of a self-pulsing photonic crystal Fano laser. Nature Photonics, 2017, 11, 81-84.	15.6	166
9	Subpicosecond gain dynamics in InGaAsP optical amplifiers: Experiment and theory. Applied Physics Letters, 1992, 61, 2281-2283.	1.5	163
10	Random nanolasing in the Anderson localized regime. Nature Nanotechnology, 2014, 9, 285-289.	15.6	152
11	Nonlinear gain suppression in semiconductor lasers due to carrier heating. IEEE Photonics Technology Letters, 1991, 3, 606-609.	1.3	144
12	Saturation induced by picosecond pulses in semiconductor optical amplifiers. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 761.	0.9	134
13	InP based lasers and optical amplifiers with wire-/dot-like active regions. Journal Physics D: Applied Physics, 2005, 38, 2088-2102.	1.3	134
14	Saturation and noise properties of quantum-dot optical amplifiers. IEEE Journal of Quantum Electronics, 2004, 40, 1527-1539.	1.0	131
15	Theory of Pulse-Train Amplification Without Patterning Effects in Quantum-Dot Semiconductor Optical Amplifiers. IEEE Journal of Quantum Electronics, 2004, 40, 306-320.	1.0	127
16	Phonon scattering inhibits simultaneous near-unity efficiency and indistinguishability in semiconductor single-photon sources. Nature Photonics, 2017, 11, 521-526.	15.6	126
17	Dielectric GaAs Antenna Ensuring an Efficient Broadband Coupling between an InAs Quantum Dot and a Gaussian Optical Beam. Physical Review Letters, 2013, 110, 177402.	2.9	125
18	Nonreciprocal transmission in a nonlinear photonic-crystal Fano structure with broken symmetry. Laser and Photonics Reviews, 2015, 9, 241-247.	4.4	125

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19	Dephasing in InAs/GaAs quantum dots. Physical Review B, 1999, 60, 7784-7787.	1.1	117
20	Finite-element modeling of spontaneous emission of a quantum emitter at nanoscale proximity to plasmonic waveguides. Physical Review B, 2010, 81, .	1.1	115
21	Fano resonance control in a photonic crystal structure and its application to ultrafast switching. Applied Physics Letters, 2014, 105, .	1.5	107
22	Improved switching using Fano resonances in photonic crystal structures. Optics Letters, 2013, 38, 2466.	1.7	100
23	Wideband 360° microwave photonic phase shifter based on slow light in semiconductor optical amplifiers. Optics Express, 2010, 18, 6156.	1.7	97
24	Modulation response of nanoLEDs and nanolasers exploiting Purcell enhanced spontaneous emission. Optics Express, 2010, 18, 11230.	1.7	94
25	Non-Markovian Model of Photon-Assisted Dephasing by Electron-Phonon Interactions in a Coupled Quantum-Dot–Cavity System. Physical Review Letters, 2010, 104, 157401.	2.9	90
26	Increasing the modulation bandwidth of semiconductor-optical-amplifier-based switches by using optical filtering. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1606.	0.9	85
27	Controlling the emission profile of a nanowire with a conical taper. Optics Letters, 2008, 33, 1693.	1.7	85
28	Influence of pure dephasing on emission spectra from single photon sources. Physical Review A, 2008, 78, .	1.0	83
29	Dephasing Times in Quantum Dots due to Elastic LO Phonon-Carrier Collisions. Physical Review Letters, 2000, 85, 1516-1519.	2.9	82
30	Quantum dot amplifiers with high output power and low noise. Applied Physics Letters, 2003, 82, 3083-3085.	1.5	82
31	Nonlinear injection locking dynamics and the onset of coherence collapse in external cavity lasers. IEEE Journal of Quantum Electronics, 1990, 26, 642-654.	1.0	79
32	Theory of short-pulse gain saturation in semiconductor laser amplifiers. IEEE Photonics Technology Letters, 1992, 4, 443-446.	1.3	79
33	Ultra-coherent Fano laser based on a bound state in the continuum. Nature Photonics, 2021, 15, 758-764.	15.6	76
34	Experimental and theoretical investigation of the impact of ultra-fast carrier dynamics on high-speed SOA-based all-optical switches. Optics Express, 2006, 14, 331.	1.7	74
35	Photonic Crystal Fano Laser: Terahertz Modulation and Ultrashort Pulse Generation. Physical Review Letters, 2014, 113, 163901.	2.9	73
36	Enhancing light slow-down in semiconductor optical amplifiers by optical filtering. Optics Letters, 2008, 33, 1084.	1.7	72

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37	Numerical investigation of electromagnetically induced transparency in a quantum dot structure. Optics Express, 2007, 15, 6396.	1.7	70
38	Widely Tunable Microwave Photonic Notch Filter Based on Slow and Fast Light Effects. IEEE Photonics Technology Letters, 2009, 21, 167-169.	1.3	69
39	Maximizing the quality factor to mode volume ratio for ultra-small photonic crystal cavities. Applied Physics Letters, 2018, 113, .	1.5	67
40	Heterodyne pump-probe and four-wave mixing in semiconductor optical amplifiers using balanced lock-in detection. Optics Communications, 1999, 169, 317-324.	1.0	66
41	Subwavelength Grating-Mirror VCSEL With a Thin Oxide Gap. IEEE Photonics Technology Letters, 2008, 20, 105-107.	1.3	64
42	Slow-light-enhanced gain in active photonic crystal waveguides. Nature Communications, 2014, 5, 5039.	5.8	64
43	The modulation response of a semiconductor laser amplifier. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 851-860.	1.9	63
44	Low-Jitter and High-Power 40-GHz All-Active Mode-Locked Lasers. IEEE Photonics Technology Letters, 2004, 16, 975-977.	1.3	63
45	Controllable delay of ultrashort pulses in a quantum dot optical amplifier. Optics Express, 2005, 13, 8032.	1.7	63
46	Slow Light in a Semiconductor Waveguide for True-Time Delay Applications in Microwave Photonics. IEEE Photonics Technology Letters, 2007, 19, 1145-1147.	1.3	61
47	Threshold Characteristics of Slow-Light Photonic Crystal Lasers. Physical Review Letters, 2016, 116, 063901.	2.9	59
48	Silicon-photonics light source realized by III–V/Si-grating-mirror laser. Applied Physics Letters, 2010, 97, .	1.5	57
49	Coherent single-photon absorption by single emitters coupled to one-dimensional nanophotonic waveguides. New Journal of Physics, 2011, 13, 103010.	1.2	55
50	Microwave phase shifter with controllable power response based on slow- and fast-light effects in semiconductor optical amplifiers. Optics Letters, 2009, 34, 929.	1.7	54
51	Designs for high-efficiency electrically pumped photonic nanowire single-photon sources. Optics Express, 2010, 18, 21204.	1.7	54
52	Microscopic theory of phonon-induced effects on semiconductor quantum dot decay dynamics in cavity QED. Physical Review B, 2012, 86, .	1.1	51
53	Spontaneous emission from large quantum dots in nanostructures: Exciton-photon interaction beyond the dipole approximation. Physical Review B, 2012, 86, .	1.1	50
54	Switching characteristics of an InP photonic crystal nanocavity: Experiment and theory. Optics Express, 2013, 21, 31047.	1.7	50

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55	Probing Electron-Phonon Interaction through Two-Photon Interference in Resonantly Driven Semiconductor Quantum Dots. Physical Review Letters, 2017, 118, 233602.	2.9	50
56	Geometry dependence of Auger carrier capture rates into cone-shaped self-assembled quantum dots. Physical Review B, 2003, 67, .	1.1	47
57	The mechanism of mode selection for an external cavity laser. IEEE Photonics Technology Letters, 1990, 2, 21-23.	1.3	46
58	Line broadening caused by Coulomb carrier–carrier correlations and dynamics of carrier capture and emission in quantum dots. Applied Physics Letters, 2001, 79, 1679-1681.	1.5	46
59	Analysis of Timing Jitter in External-Cavity Mode-Locked Semiconductor Lasers. IEEE Journal of Quantum Electronics, 2006, 42, 249-256.	1.0	46
60	Slow and Fast Light Effects and Their Applications to Microwave Photonics Using Semiconductor Optical Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3022-3038.	2.9	46
61	Microscopic theory of indistinguishable single-photon emission from a quantum dot coupled to a cavity: The role of non-Markovian phonon-induced decoherence. Physical Review B, 2013, 87, .	1.1	46
62	The role of phonon scattering in the indistinguishability of photons emitted from semiconductor cavity QED systems. New Journal of Physics, 2013, 15, 035027.	1.2	46
63	Bright single photon source based on self-aligned quantum dot–cavity systems. Optics Express, 2014, 22, 8136.	1.7	46
64	Hybrid vertical avity laser with lateral emission into a silicon waveguide. Laser and Photonics Reviews, 2015, 9, L11.	4.4	46
65	Rate equation description of quantum noise in nanolasers with few emitters. Applied Physics Letters, 2018, 112, .	1.5	46
66	Terahertz fourâ€wave mixing in semiconductor optical amplifiers: Experiment and theory. Applied Physics Letters, 1994, 65, 944-946.	1.5	45
67	Measurement and calculation of the critical pulsewidth for gain saturation in semiconductor optical amplifiers. Optics Communications, 1999, 164, 51-55.	1.0	45
68	One- and two-phonon capture processes in quantum dots. Journal of Applied Physics, 2002, 92, 5982-5990.	1.1	45
69	High-index-contrast grating reflector with beam steering ability for the transmitted beam. Optics Express, 2011, 19, 23567.	1.7	45
70	Linearly Polarized, Single-Mode Spontaneous Emission in a Photonic Nanowire. Physical Review Letters, 2012, 108, 077405.	2.9	45
71	Fundamental Limitations to Gain Enhancement in Periodic Media and Waveguides. Physical Review Letters, 2012, 108, 183903.	2.9	45
72	Theory of nondegenerate four-wave mixing between pulses in a semiconductor waveguide. IEEE Journal of Quantum Electronics, 1997, 33, 545-555.	1.0	44

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73	Analytical expression for the bit error rate of cascaded all-optical regenerators. IEEE Photonics Technology Letters, 2003, 15, 1479-1481.	1.3	44
74	Gain dynamics and saturation in semiconductor quantum dot amplifiers. New Journal of Physics, 2004, 6, 178-178.	1.2	44
75	Broadband MEMS-Tunable High-Index-Contrast Subwavelength Grating Long-Wavelength VCSEL. IEEE Journal of Quantum Electronics, 2010, 46, 1245-1253.	1.0	43
76	Voltage-controlled slow light in an integrated semiconductor structure with net gain. Optics Express, 2006, 14, 9955.	1.7	42
77	Investigation of Patterning Effects in Ultrafast SOA-Based Optical Switches. IEEE Journal of Quantum Electronics, 2010, 46, 87-94.	1.0	42
78	Ultrafast gain and index dynamics of quantum dash structures emitting at 1.55μm. Applied Physics Letters, 2006, 89, 081102.	1.5	41
79	Dynamical and noise properties of laser diodes subject to strong optical feedback. Optics Letters, 1994, 19, 2137.	1.7	40
80	All-optical wavelength conversion and signal regeneration using an electroabsorption modulator. Journal of Lightwave Technology, 2000, 18, 1121-1127.	2.7	40
81	Optical properties and optimization of electromagnetically induced transparency in strained InAs/GaAs quantum dot structures. Physical Review B, 2009, 80, .	1.1	40
82	Inâ€Plane Photonic Crystal Devices using Fano Resonances. Laser and Photonics Reviews, 2019, 13, 1900054.	4.4	40
83	Theory of Optical-Filtering Enhanced Slow and Fast Light Effects in Semiconductor Optical Waveguides. Journal of Lightwave Technology, 2008, 26, 3734-3743.	2.7	38
84	Resonance Fluorescence from Semiconductor Quantum Dots: Beyond the Mollow Triplet. Physical Review Letters, 2012, 108, 017401.	2.9	38
85	Modeling and Design of High-Efficiency Single-Photon Sources. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1-16.	1.9	38
86	Numerical and Experimental Study of the \$Q\$ Factor of High-\$Q\$ Micropillar Cavities. IEEE Journal of Quantum Electronics, 2010, 46, 1470-1483.	1.0	37
87	Collective Quantum Memory Activated by a Driven Central Spin. Physical Review Letters, 2019, 123, 140502.	2.9	37
88	Highly directive and Gaussian far-field emission from "giant―photonic trumpets. Applied Physics Letters, 2015, 107, .	1.5	36
89	Ultrafast all-optical modulation using a photonic-crystal Fano structure with broken symmetry. Optics Letters, 2015, 40, 2357.	1.7	36
90	On high-speed cross-gain modulation without pattern effects in quantum dot semiconductor optical amplifiers. Optics Communications, 2003, 227, 363-369.	1.0	35

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91	Noise and Regeneration in Semiconductor Waveguides With Saturable Gain and Absorption. IEEE Journal of Quantum Electronics, 2004, 40, 245-255.	1.0	35
92	Scattering of two photons on a quantum emitter in a one-dimensional waveguide: exact dynamics and induced correlations. New Journal of Physics, 2015, 17, 023030.	1.2	35
93	Quantum-dot nano-cavity lasers with Purcell-enhanced stimulated emission. Applied Physics Letters, 2012, 100, .	1.5	34
94	Measurement of pulse amplitude and phase distortion in a semiconductor optical amplifier: from pulse compression to breakup. IEEE Photonics Technology Letters, 2000, 12, 1674-1676.	1.3	33
95	Theory of passively mode-locked photonic crystal semiconductor lasers. Optics Express, 2010, 18, 18003.	1.7	32
96	Stability analysis and the route to chaos for laser diodes with optical feedback. IEEE Photonics Technology Letters, 1990, 2, 549-552.	1.3	31
97	Modeling of carrier dynamics in quantum-well electroabsorption modulators. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 1265-1276.	1.9	31
98	Decoherence in semiconductor cavity QED systems due to phonon couplings. Physical Review B, 2014, 90, .	1.1	31
99	Theory of nanolaser devices: Rate equation analysis versus microscopic theory. Physical Review B, 2013, 87, .	1.1	30
100	Polarization-independent high-index contrast grating and its fabrication tolerances. Applied Optics, 2013, 52, 1049.	0.9	30
101	Two-photon interference from a quantum dot microcavity: Persistent pure dephasing and suppression of time jitter. Physical Review B, 2015, 91, .	1.1	30
102	Ultrafast Coherent Dynamics of a Photonic Crystal all-Optical Switch. Physical Review Letters, 2016, 117, 233901.	2.9	30
103	Self-consistent Maxwell-Bloch model of quantum-dot photonic-crystal-cavity lasers. Physical Review A, 2017, 96, .	1.0	30
104	High-performance 10â€GHz all-active monolithic modelocked semiconductor lasers. Electronics Letters, 2004, 40, 735.	0.5	29
105	Influence of wetting-layer wave functions on phonon-mediated carrier capture into self-assembled quantum dots. Physical Review B, 2006, 74, .	1.1	29
106	Decay dynamics of radiatively coupled quantum dots in photonic crystal slabs. Physical Review B, 2011, 83, .	1.1	29
107	Heterodyne pump probe measurements of nonlinear dynamics in an indium phosphide photonic crystal cavity. Applied Physics Letters, 2013, 103, .	1.5	29
108	On the Theory of Coupled Modes in Optical Cavity-Waveguide Structures. Journal of Lightwave Technology, 2017, 35, 4247-4259.	2.7	29

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109	Optical label encoding using electroabsorption modulators and investigation of chirp properties. Journal of Lightwave Technology, 2003, 21, 1763-1769.	2.7	28
110	Slow and fast light: Controlling the speed of light using semiconductor waveguides. Laser and Photonics Reviews, 2009, 3, 30-44.	4.4	28
111	Reducing the impact of inhomogeneous broadening on quantum dot based electromagnetically induced transparency. Applied Physics Letters, 2009, 94, 071108.	1.5	28
112	Experimental demonstration of a four-port photonic crystal cross-waveguide structure. Applied Physics Letters, 2012, 101, .	1.5	28
113	All-optical non-linear activation function for neuromorphic photonic computing using semiconductor Fano lasers. Optics Letters, 2020, 45, 3844.	1.7	28
114	Title is missing!. Optical and Quantum Electronics, 2001, 33, 907-926.	1.5	26
115	Heterodyne technique for measuring the amplitude and phase transfer functions of an optical modulator. IEEE Photonics Technology Letters, 2002, 14, 621-623.	1.3	26
116	7� 40 Gb/s base-rate RZ all-optical broadcasting utilizing an electroabsorption modulator. Optics Express, 2004, 12, 416.	1.7	26
117	Spontaneous decay of a single quantum dot coupled to a metallic slot waveguide in the presence of leaky plasmonic modes. Optics Express, 2010, 18, 12489.	1.7	26
118	Roundtrip matrix method for calculating the leaky resonant modes of open nanophotonic structures. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 2142.	0.8	26
119	Hybrid grating reflector with high reflectivity and broad bandwidth. Optics Express, 2014, 22, 21175.	1.7	26
120	Ultracompact resonator with high quality-factor based on a hybrid grating structure. Optics Express, 2015, 23, 14913.	1.7	26
121	Limits to coherent scattering and photon coalescence from solid-state quantum emitters. Physical Review B, 2017, 95, .	1.1	26
122	Light Scattering from Solid-State Quantum Emitters: Beyond the Atomic Picture. Physical Review Letters, 2019, 123, 167403.	2.9	26
123	Comparison of electromagnetically induced transparency schemes in semiconductor quantum dot structures: Impact of many-body interactions. Physical Review B, 2009, 79, .	1.1	25
124	A new orthogonal labeling scheme based on a 40-Gb/s DPSK payload and a 2.5-Gb/s PolSK label. IEEE Photonics Technology Letters, 2005, 17, 2772-2774.	1.3	24
125	Oscillatory variations in the Q factors of high quality micropillar cavities. Applied Physics Letters, 2009, 94, 061108.	1.5	24
126	On the use of slow light for enhancing waveguide properties. Optics Letters, 2010, 35, 2834.	1.7	24

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127	A broadband tapered nanocavity for efficient nonclassical light emission. Optics Express, 2016, 24, 20904.	1.7	24
128	Theory of Selfâ€pulsing in Photonic Crystal Fano Lasers. Laser and Photonics Reviews, 2017, 11, 1700089.	4.4	24
129	Separation of coherent and incoherent nonlinearities in a heterodyne pump-probe experiment. Optics Express, 2000, 7, 107.	1.7	23
130	Improving the All-Optical Response of SOAs Using a Modulated Holding Signal. Journal of Lightwave Technology, 2004, 22, 1303-1308.	2.7	23
131	Modeling of bit error rate in cascaded 2R regenerators. Journal of Lightwave Technology, 2006, 24, 1057-1063.	2.7	23
132	Measuring the effective phonon density of states of a quantum dot in cavity quantum electrodynamics. Physical Review B, 2013, 88, .	1.1	23
133	Phonon effects in quantum dot single-photon sources. Optical Materials Express, 2020, 10, 222.	1.6	23
134	Squeezing of intensity noise in nanolasers and nanoLEDs with extreme dielectric confinement. Optica, 2020, 7, 1641.	4.8	23
135	Energy-bandwidth trade-off in all-optical photonic crystal microcavity switches. Optics Express, 2011, 19, 18410.	1.7	22
136	Three-dimensional integral equation approach to light scattering, extinction cross sections, local density of states, and quasi-normal modes. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1996.	0.9	22
137	Observation of resonance fluorescence and the Mollow triplet from a coherently driven site-controlled quantum dot. Optica, 2015, 2, 1072.	4.8	22
138	Vertical-cavity in-plane heterostructures: Physics and applications. Applied Physics Letters, 2015, 107, 181107.	1.5	22
139	Slow light in quantum dot photonic crystal waveguides. Applied Physics Letters, 2009, 94, .	1.5	21
140	Dynamical Properties of Nanolasers Based on Few Discrete Emitters. IEEE Journal of Quantum Electronics, 2013, 49, 945-954.	1.0	21
141	Signal reshaping and noise suppression using photonic crystal Fano structures. Optics Express, 2018, 26, 19596.	1.7	21
142	Quantum light-matter interaction and controlled phonon scattering in a photonic Fano cavity. Physical Review B, 2019, 100, .	1.1	21
143	Suppression of Coherence Collapse in Semiconductor Fano Lasers. Physical Review Letters, 2019, 123, 233904.	2.9	21
144	Carrier temperature and spectral holeburning dynamics in InGaAsP quantum well laser amplifiers. Applied Physics Letters, 1994, 64, 143-145.	1.5	20

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145	Optical generation of millimeter-waves using a dual-polarization emission external cavity diode laser. IEEE Photonics Technology Letters, 1996, 8, 157-159.	1.3	20
146	Systematic design of loss-engineered slow-light waveguides. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 2657.	0.8	20
147	High beta lasing in micropillar cavities with adiabatic layer design. Applied Physics Letters, 2013, 102, 052114.	1.5	20
148	Physics and Applications of Highâ€Î² Micro―and Nanolasers. Advanced Optical Materials, 2021, 9, 2100415.	3.6	20
149	Modal Properties of Photonic Crystal Cavities and Applications to Lasers. Nanomaterials, 2021, 11, 3030.	1.9	20
150	Bidirectional four-wave mixing in semiconductor optical amplifiers: theory and experiment. Journal of Lightwave Technology, 1999, 17, 1617-1625.	2.7	19
151	Dynamic Spatiotemporal Speed Control of Ultrashort Pulses in Quantum-Dot SOAs. IEEE Journal of Quantum Electronics, 2006, 42, 1047-1054.	1.0	19
152	Bandwidth enhancement of SOA-based switches using optical filtering: theory and experimental verification. Optics Express, 2006, 14, 1260.	1.7	19
153	Spectral symmetry of Fano resonances in a waveguide coupled to a microcavity. Optics Letters, 2016, 41, 2065.	1.7	19
154	Intrinsic and environmental effects on the interference properties of a high-performance quantum dot single-photon source. Physical Review B, 2018, 97, .	1.1	19
155	Modes, stability, and small-signal response of photonic crystal Fano lasers. Optics Express, 2018, 26, 16365.	1.7	19
156	Limits of stable operation of AR-coated semiconductor lasers with strong optical feedback. Electronics Letters, 1988, 24, 1065.	0.5	18
157	Modulation response of quantum dot nanolight-emitting-diodes exploiting purcell-enhanced spontaneous emission. Applied Physics Letters, 2011, 98, .	1.5	18
158	Wavelength Conversion of a 9.35-Gb/s RZ OOK Signal in an InP Photonic Crystal Nanocavity. IEEE Photonics Technology Letters, 2014, 26, 257-260.	1.3	18
159	Semianalytical quasi-normal mode theory for the local density of states in coupled photonic crystal cavity–waveguide structures. Optics Letters, 2015, 40, 5790.	1.7	18
160	Semiconductor Fano Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-14.	1.9	18
161	Control of exceptional points in photonic crystal slabs. Optics Letters, 2017, 42, 2866.	1.7	17
162	Transient four-wave mixing with a collinear pump and probe. Optics Letters, 1996, 21, 1017.	1.7	16

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163	Chirp of monolithic colliding pulse mode-locked diode lasers. Applied Physics Letters, 1997, 70, 2514-2516.	1.5	16
164	Monolithically integrated reflective SOA-EA carrier re-modulator for broadband access nodes. Optics Express, 2006, 14, 8060.	1.7	16
165	Slow-light enhanced absorption in a hollow-core fiber. Optics Express, 2010, 18, 14270.	1.7	16
166	Nonlinear switching dynamics in a photonic-crystal nanocavity. Applied Physics Letters, 2014, 105, .	1.5	16
167	Limitations of two-level emitters as nonlinearities in two-photon controlled-phase gates. Physical Review A, 2017, 95, .	1.0	16
168	Benchmarking five numerical simulation techniques for computing resonance wavelengths and quality factors in photonic crystal membrane line defect cavities. Optics Express, 2018, 26, 11366.	1.7	16
169	Semiconductor quantum dots devices: Recent advances and application prospects. Physica Status Solidi (B): Basic Research, 2006, 243, 3981-3987.	0.7	15
170	Controlling Microwave Signals by Means of Slow and Fast Light Effects in SOA-EA Structures. IEEE Photonics Technology Letters, 2007, 19, 1589-1591.	1.3	15
171	Optical signatures of electron-phonon decoupling due to strong light-matter interactions. Physical Review B, 2020, 102, .	1.1	15
172	<title>Time-resolved spectroscopy of semiconductor laser devices: experiments and modeling</title> . , 1995, , .		14
173	Synchronization phase diagrams of monolithic colliding pulse-modelocked lasers. IEEE Photonics Technology Letters, 1996, 8, 40-42.	1.3	14
174	Proposed Quenching of Phonon-Induced Processes in Photoexcited Quantum Dots due to Electron-Hole Asymmetries. Physical Review Letters, 2013, 110, 087401.	2.9	14
175	Ultrahigh-speed Si-integrated on-chip laser with tailored dynamic characteristics. Scientific Reports, 2016, 6, 38801.	1.6	14
176	All-Optical Switching Improvement Using Photonic-Crystal Fano Structures. IEEE Photonics Journal, 2016, 8, 1-8.	1.0	14
177	Pulse carving using nanocavity-enhanced nonlinear effects in photonic crystal Fano structures. Optics Letters, 2018, 43, 955.	1.7	14
178	Comparison of processing-induced deformations of InP bonded to Si determined by e-beam metrology: Direct vs. adhesive bonding. Microelectronic Engineering, 2019, 214, 93-99.	1.1	14
179	On collective Rabi splitting in nanolasers and nano-LEDs. Optics Letters, 2019, 44, 1415.	1.7	14
180	Influence of quasibound states on the carrier capture in quantum dots. Applied Physics Letters, 2002, 81, 4318-4320.	1.5	13

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181	Quality factors of nonideal micro pillars. Applied Physics Letters, 2007, 91, .	1.5	13
182	Slow and fast light in semiconductor waveguides. Semiconductor Science and Technology, 2010, 25, 083002.	1.0	13
183	A scheme comparison of Autler–Townes based slow light in inhomogeneously broadened quantum dot media. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2654.	0.9	13
184	Type-II quantum-dot-in-nanowire structures with large oscillator strength for optical quantum gate applications. Physical Review B, 2017, 96, .	1.1	13
185	Non-Markovian perturbation theories for phonon effects in strong-coupling cavity quantum electrodynamics. Physical Review B, 2021, 103, .	1.1	13
186	Integrated SOA-MZI for pattern-effect-free amplification. Electronics Letters, 2005, 41, 549.	0.5	12
187	An improved perfectly matched layer for the eigenmode expansion technique. Optical and Quantum Electronics, 2008, 40, 957-966.	1.5	12
188	Fractional decay of quantum dots in real photonic crystals. Optics Letters, 2008, 33, 1557.	1.7	12
189	Photonic generation of ultrawideband monocycle and doublet pulses by using a semiconductor-optical-amplifier-based wavelength converter. Optics Letters, 2009, 34, 1336.	1.7	12
190	Transverse-mode-selectable microlens vertical-cavity surface-emitting laser. Optics Express, 2010, 18, 4138.	1.7	12
191	Light propagation in finite-sized photonic crystals: multiple scattering using an electric field integral equation. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 228.	0.9	12
192	High-index-contrast subwavelength grating VCSEL. Proceedings of SPIE, 2010, , .	0.8	12
193	Optimal switching using coherent control. Applied Physics Letters, 2013, 102, .	1.5	12
194	Laser Rate Equation-Based Filtering for Carrier Recovery in Characterization and Communication. Journal of Lightwave Technology, 2015, 33, 3271-3279.	2.7	12
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