

Liam Barry

List of Publications by Year in descending order

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438
papers

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117625

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48
g-index

440
all docs

440
docs citations

440
times ranked

2591
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of Coherent Multicarrier Signals by Gain Switching of Discrete Mode Lasers. IEEE Photonics Journal, 2011, 3, 112-122.	2.0	143
2	High performance mode locking characteristics of single section quantum dash lasers. Optics Express, 2012, 20, 8649.	3.4	120
3	40nm wavelength tunable gain-switched optical comb source. Optics Express, 2011, 19, B415.	3.4	94
4	100 Gb/s Multicarrier THz Wireless Transmission System With High Frequency Stability Based on A Gain-Switched Laser Comb Source. IEEE Photonics Journal, 2015, 7, 1-11.	2.0	85
5	Phase Noise Characterization of SGDBR Lasers Using Phase Modulation Detection Method With Delayed Self-Heterodyne Measurements. Journal of Lightwave Technology, 2013, 31, 1300-1308.	4.6	69
6	Improved reduced models for single-pass and reflective semiconductor optical amplifiers. Optics Communications, 2015, 334, 170-173.	2.1	66
7	Remote downconversion with wavelength reuse for the radio/fiber uplink connection. IEEE Photonics Technology Letters, 2006, 18, 562-564.	2.5	65
8	Flexible terabit/s Nyquist-WDM super-channels using a gain-switched comb source. Optics Express, 2015, 23, 724.	3.4	64
9	Gain-Switched Optical Frequency Combs for Future Mobile Radio-Over-Fiber Millimeter-Wave Systems. Journal of Lightwave Technology, 2018, 36, 4602-4610.	4.6	62
10	Tunable transform-limited pulse generation using self-injection locking of an FP laser. IEEE Photonics Technology Letters, 1993, 5, 1132-1134.	2.5	60
11	Discrete mode lasers for communication applications. IET Optoelectronics, 2009, 3, 1-17.	3.3	60
12	Quantum Dash Mode-Locked Lasers for Data Centre Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 53-60.	2.9	58
13	Blind Nonlinearity Equalization by Machine-Learning-Based Clustering for Single- and Multichannel Coherent Optical OFDM. Journal of Lightwave Technology, 2018, 36, 721-727.	4.6	55
14	Complete characterization of ultrashort pulse sources at 1550 nm. IEEE Journal of Quantum Electronics, 1999, 35, 441-450.	1.9	51
15	Delayed Self-Heterodyne Phase Noise Measurements With Coherent Phase Modulation Detection. IEEE Photonics Technology Letters, 2012, 24, 249-251.	2.5	49
16	Improved performance of a hybrid radio/fiber system using a directly modulated laser transmitter with external injection. IEEE Photonics Technology Letters, 2002, 14, 233-235.	2.5	47
17	Tunable terahertz wave generation through a bimodal laser diode and plasmonic photomixer. Optics Express, 2015, 23, 31206.	3.4	44
18	Performance Analysis of Analog IF Over Fiber Fronthaul Link With 4G and 5G Coexistence. Journal of Optical Communications and Networking, 2018, 10, 174.	4.8	44

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19	A Novel Two-Section Tunable Discrete Mode Fabry-Pérot Laser Exhibiting Nanosecond Wavelength Switching. IEEE Journal of Quantum Electronics, 2008, 44, 331-337.	1.9	43
20	Quantum-Dot Mode-Locked Lasers With Dual-Mode Optical Injection. IEEE Photonics Technology Letters, 2010, 22, 359-361.	2.5	43
21	Two-photon-induced photoconductivity enhancement in semiconductor microcavities: a theoretical investigation. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 2396.	2.1	42
22	Multifunctional Operation of a Fiber Bragg Grating in a WDM/SCM Radio Over Fiber Distribution System. IEEE Photonics Technology Letters, 2004, 16, 605-607.	2.5	42
23	Complete pulse characterization at 15 Åµm by cross-phase modulation in optical fibers. Optics Letters, 1998, 23, 1582.	3.3	41
24	Enhanced Optical Comb Generation by Gain-Switching a Single-Mode Semiconductor Laser Close to Its Relaxation Oscillation Frequency. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 592-600.	2.9	41
25	Optimized pulse source employing an externally injected gain-switched laser diode in conjunction with a nonlinearly chirped grating. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 255-264.	2.9	40
26	Stepped-heterodyne optical complex spectrum analyzer. Optics Express, 2010, 18, 19724.	3.4	38
27	Optical Heterodyne Analog Radio-Over-Fiber Link for Millimeter-Wave Wireless Systems. Journal of Lightwave Technology, 2021, 39, 465-474.	4.6	38
28	Two-photon absorption photocurrent enhancement in bulk AlGaAs semiconductor microcavities. Applied Physics Letters, 2002, 80, 1328-1330.	3.3	37
29	Autocorrelation of ultrashort pulses at 1.5 [micro sign]m based on nonlinear response of silicon photodiodes. Electronics Letters, 1996, 32, 1922.	1.0	36
30	Autocorrelation and ultrafast optical thresholding at 1.5 [micro sign]m using a commercial InGaAsP 1.3 [micro sign]m laser diode. Electronics Letters, 1998, 34, 358.	1.0	36
31	Wide temperature range 0 < T < 85 Å°C narrow linewidth discrete mode laser diodes for coherent communications applications. Optics Express, 2011, 19, B90.	3.4	36
32	Flexible Optical Comb Source for Super Channel Systems. , 2013, , .		36
33	Direct measurement of pulse distortion near the zero-dispersion wavelength in an optical fiber by frequency-resolved optical gating. Optics Letters, 1997, 22, 457.	3.3	35
34	Dual correlated pumping scheme for phase noise preservation in all-optical wavelength conversion. Optics Express, 2013, 21, 15568.	3.4	35
35	Phase noise analysis of injected gain switched comb source for coherent communications. Optics Express, 2014, 22, 8120.	3.4	35
36	Phase Noise Investigation of Multicarrier Sub-THz Wireless Transmission System Based on an Injection-Locked Gain-Switched Laser. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 590-597.	3.1	35

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37	Harnessing machine learning for fiber-induced nonlinearity mitigation in long-haul coherent optical OFDM. <i>Future Internet</i> , 2019, 11, 2.	3.8	35
38	Single-section quantum well mode-locked laser for 400 Gb/s SSB-OFDM transmission. <i>Optics Express</i> , 2015, 23, 26442.	3.4	34
39	In-band OSNR monitoring using a pair of Michelson fiber interferometers. <i>Optics Express</i> , 2010, 18, 3618.	3.4	33
40	Effects of phase noise of monolithic tunable laser on coherent communication systems. <i>Optics Express</i> , 2012, 20, B244.	3.4	31
41	Mitigation of relative intensity noise of quantum dash mode-locked lasers for PAM4 based optical interconnects using encoding techniques. <i>Optics Express</i> , 2017, 25, 20.	3.4	31
42	Chromatic Dispersion-Induced Optical Phase Decorrelation in a 60 GHz OFDM-RoF System. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 2016-2019.	2.5	30
43	25-Gb/s OFDM 60-GHz Radio Over Fiber System Based on a Gain Switched Laser. <i>Journal of Lightwave Technology</i> , 2015, 33, 1635-1643.	4.6	30
44	Amplitude and Phase Noise of Frequency Combs Generated by Single-Section InAs/InP Quantum-Dash-Based Passively and Actively Mode-Locked Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2016, 52, 1-7.	1.9	30
45	Experimental Demonstration of a WDM-RoF Based Mobile Fronthaul With f-OFDM Signals by Using Directly Modulated 3s-DBR Laser. <i>Journal of Lightwave Technology</i> , 2019, 37, 3875-3881.	4.6	29
46	A Silicon Photonic Switching Platform for Flexible Converged Centralized-Radio Access Networking. <i>Journal of Lightwave Technology</i> , 2020, 38, 5386-5392.	4.6	29
47	Characterization of 1.55- μ m pulses from a self-seeded gain-switched Fabry-Perot laser diode using frequency-resolved optical gating. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 935-937.	2.5	28
48	60 GHz Radio Over Fiber System Based on Gain-Switched Laser. <i>Journal of Lightwave Technology</i> , 2014, 32, 3695-3703.	4.6	28
49	Experimental Comparison of FBMC and OFDM for Multiple Access Uplink PON. <i>Journal of Lightwave Technology</i> , 2017, 35, 1595-1604.	4.6	28
50	Optical pulse generation at frequencies up to 20 GHz using external-injection seeding of a gain-switched commercial Fabry-Perot laser. <i>IEEE Photonics Technology Letters</i> , 2001, 13, 1014-1016.	2.5	27
51	Integrated Two-Section Discrete Mode Laser. <i>IEEE Photonics Journal</i> , 2012, 4, 2085-2094.	2.0	27
52	60 GHz 5G Radio-Over-Fiber Using UF-OFDM With Optical Heterodyning. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 2059-2062.	2.5	27
53	Ultra-sensitive all-optical sampling at 1.5 [μ m] using waveguide two-photon absorption. <i>Electronics Letters</i> , 1999, 35, 1483.	1.0	26
54	Software reconfigurable highly flexible gain switched optical frequency comb source. <i>Optics Express</i> , 2015, 23, 23225.	3.4	26

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55	Software-defined control-plane for wavelength selective unicast and multicast of optical data in a silicon photonic platform. Optics Express, 2017, 25, 232.	3.4	26
56	InP photonic integrated externally injected gain switched optical frequency comb. Optics Letters, 2017, 42, 555.	3.3	26
57	Numerical investigation into the injection-locking phenomena of gain switched lasers for optical frequency comb generation. Applied Physics Letters, 2015, 106, .	3.3	25
58	All Optical Wavelength Conversion of Nyquist-WDM Superchannels Using FWM in SOAs. Journal of Lightwave Technology, 2015, 33, 3959-3967.	4.6	25
59	Photonic Integrated Gain Switched Optical Frequency Comb for Spectrally Efficient Optical Transmission Systems. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	25
60	5G wireless and wired convergence in a passive optical network using UF-OFDM and GFDM. , 2017, , .		25
61	Phase shift keyed systems based on a gain switched laser transmitter. Optics Express, 2009, 17, 12668.	3.4	24
62	Characterization of a tunable three-section slotted Fabry-Pérot laser for advanced modulation format optical transmission. Optics Communications, 2011, 284, 1616-1621.	2.1	24
63	Ultrahigh speed all-optical demultiplexing based on two-photon absorption in a laser diode. Electronics Letters, 1998, 34, 1871.	1.0	22
64	Effect of side-mode suppression ratio on the performance of self-seeded gain-switched optical pulses in lightwave communications systems. IEEE Photonics Technology Letters, 1999, 11, 1360-1362.	2.5	22
65	WDM-OFDM-PON Based on Compatible SSB Technique Using a Mode Locked Comb Source. IEEE Photonics Technology Letters, 2013, 25, 2058-2061.	2.5	22
66	High-Sensitivity Two-Photon Absorption Microcavity Autocorrelator. IEEE Photonics Technology Letters, 2004, 16, 1543-1545.	2.5	21
67	Fast Wavelength Switching Lasers Using Two-Section Slotted Fabry-Pérot Structures. IEEE Photonics Technology Letters, 2006, 18, 2105-2107.	2.5	21
68	Lyot filter based multiwavelength fiber ring laser actively mode-locked at 10GHz using an electroabsorption modulator. Optics Communications, 2008, 281, 3538-3541.	2.1	21
69	BER Performance of Coherent Optical Communications Systems Employing Monolithic Tunable Lasers With Excess Phase Noise. Journal of Lightwave Technology, 2014, 32, 1973-1980.	4.6	21
70	Characterization of Hybrid InP-TriPLeX Photonic Integrated Tunable Lasers Based on Silicon Nitride (Si ₃ N ₄)/Overlock 10 T. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	21
71	Dual-mode microresonators as straightforward access to octave-spanning dissipative Kerr solitons. APL Photonics, 2022, 7, .	5.7	21
72	Simple technique to improve the spectral quality of gain-switched pulses from a DFB laser. Electronics Letters, 1994, 30, 2143-2145.	1.0	20

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73	Simultaneous measurement of optical fibre nonlinearity and dispersion using frequency resolved optical gating. Electronics Letters, 1997, 33, 707.	1.0	20
74	Injection Locked Wavelength De-Multiplexer for Optical Comb-Based Nyquist WDM System. IEEE Photonics Technology Letters, 2015, 27, 2595-2598.	2.5	20
75	Polarization insensitive all-optical wavelength conversion of polarization multiplexed signals using co-polarized pumps. Optics Express, 2016, 24, 11749.	3.4	19
76	28 GHz 5G radio over fibre using UF-OFDM with optical heterodyning. , 2017, , .		19
77	Real-time machine learning based fiber-induced nonlinearity compensation in energy-efficient coherent optical networks. APL Photonics, 2020, 5, .	5.7	19
78	Power efficient optical frequency comb generation using laser gain switching and dual-drive Mach-Zehnder modulator. Optics Express, 2019, 27, 24135.	3.4	19
79	Characterizing Pulse Propagation in Optical Fibers around 1550 nm Using Frequency-Resolved Optical Gating. Optical Fiber Technology, 1998, 4, 237-265.	2.7	18
80	Design, Characterization, and Applications of Index-Patterned Fabry-Pérot Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1621-1631.	2.9	18
81	All-Analogue Real-Time Broadband Filter Bank Multicarrier Optical Communications System. Journal of Lightwave Technology, 2015, 33, 5073-5083.	4.6	18
82	Analytical Approach to Assess the Impact of Pulse-to-Pulse Phase Coherence of Optical Frequency Combs. IEEE Journal of Quantum Electronics, 2015, 51, 1-8.	1.9	18
83	Inverse scattering approach to multiwavelength Fabry-Pérot laser design. Physical Review A, 2006, 74, .	2.5	17
84	Chromatic Dispersion Monitoring of 80-Gb/s OTDM Data Signal via Two-Photon Absorption in a Semiconductor Microcavity. IEEE Photonics Technology Letters, 2007, 19, 21-23.	2.5	17
85	Electro-Optical Generation and Distribution of Ultrawideband Signals Based on the Gain Switching Technique. Journal of Optical Communications and Networking, 2010, 2, 122.	4.8	17
86	Optical Generation of Modulated Millimeter Waves Based on a Gain-Switched Laser. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3372-3380.	4.6	17
87	On Bit and Power Loading for OFDM Over SI-POF. Journal of Lightwave Technology, 2011, 29, 1547-1554.	4.6	17
88	Spectral amplitude and phase measurement of a 40 GHz free-running quantum-dash modelocked laser diode. Optics Express, 2011, 19, 13628.	3.4	17
89	Mode coherence measurements across a 15ÅTHz spectral bandwidth of a passively mode-locked quantum dash laser. Optics Letters, 2012, 37, 1499.	3.3	17
90	A Blind Nonlinearity Compensator Using DBSCAN Clustering for Coherent Optical Transmission Systems. Applied Sciences (Switzerland), 2019, 9, 4398.	2.5	17

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91	Optimization of optical data transmitters for 40-Gb/s lightwave systems using frequency resolved optical gating. IEEE Photonics Technology Letters, 2002, 14, 971-973.	2.5	16
92	Simulations of an OSNR-Limited All-Optical Wavelength Conversion Scheme. IEEE Photonics Technology Letters, 2013, 25, 2311-2314.	2.5	16
93	Performance Investigation of IM/DD Compatible SSB-OFDM Systems Based on Optical Multicarrier Sources. IEEE Photonics Journal, 2014, 6, 1-10.	2.0	16
94	Monolithically Integrated 2-Section Lasers for Injection Locked Gain Switched Comb Generation. , 2014, , .		16
95	Excursion-Free Dynamic Wavelength Switching in Amplified Optical Networks. Journal of Optical Communications and Networking, 2015, 7, 898.	4.8	16
96	Optical packet switch with energy-efficient hybrid optical/electronic buffering for data center and HPC networks. Photonic Network Communications, 2016, 32, 89-103.	2.7	16
97	Coupled Transceiver-Fiber Nonlinearity Compensation Based on Machine Learning for Probabilistic Shaping System. Journal of Lightwave Technology, 2021, 39, 388-399.	4.6	16
98	Multiple RF carrier distribution in a hybrid radio/fiber system employing a self-pulsating laser diode transmitter. IEEE Photonics Technology Letters, 2002, 14, 1599-1601.	2.5	15
99	Effects of intermodulation distortion on the performance of a hybrid radio/fiber system employing a self-pulsating laser diode transmitter. IEEE Photonics Technology Letters, 2003, 15, 852-854.	2.5	15
100	Self-Seeding of a Gain-Switched Integrated Dual-Laser Source for the Generation of Highly Wavelength-Tunable Picosecond Optical Pulses. IEEE Photonics Technology Letters, 2004, 16, 629-631.	2.5	15
101	Optical signal processing via two-photon absorption in a semiconductor microcavity for the next generation of high-speed optical communications network. Journal of Lightwave Technology, 2006, 24, 2683-2692.	4.6	15
102	Performance improvement of 10Gb/s direct modulation OFDM by optical injection using monolithically integrated discrete mode lasers. Optics Express, 2011, 19, B289.	3.4	15
103	Simple analytical model for low-frequency frequency-modulation noise of monolithic tunable lasers. Applied Optics, 2014, 53, 830.	1.8	15
104	Mode Locked Laser Phase Noise Reduction Under Optical Feedback for Coherent DWDM Communication. Journal of Lightwave Technology, 2020, 38, 5708-5715.	4.6	15
105	Dynamic Linewidth Measurement Method via an Optical Quadrature Front End. IEEE Photonics Technology Letters, 2011, 23, 1591-1593.	2.5	14
106	Optical Burst-Switched SSB-OFDM Using a Fast Switching SG-DBR Laser. Journal of Optical Communications and Networking, 2013, 5, 994.	4.8	14
107	Detailed Investigation of the Pump Phase Noise Tolerance for Wavelength Conversion of 16-QAM Signals Using FWM. Journal of Optical Communications and Networking, 2014, 6, 793.	4.8	14
108	Phase Noise Reduction of an Optical Frequency Comb Using a Feed-Forward Heterodyne Detection Scheme. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	14

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109	A high-speed optical star network using TDMA and all-optical demultiplexing techniques. IEEE Journal on Selected Areas in Communications, 1996, 14, 1030-1038.	14.0	13
110	Generation of Widely Tunable Picosecond Pulses With Large SMSR by Externally Injecting a Gain-Switched Dual Laser Source. IEEE Photonics Technology Letters, 2004, 16, 2344-2346.	2.5	13
111	All-optical sampling utilising two-photon absorption in semiconductor microcavity. Electronics Letters, 2005, 41, 489.	1.0	13
112	Characterization of a Turbo-Switch SOA Wavelength Converter Using Spectrographic Pulse Measurement. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 841-848.	2.9	13
113	Applied Constant Gain Amplification in Circulating Loop Experiments. Journal of Lightwave Technology, 2009, 27, 4686-4696.	4.6	13
114	Fabrication and measurement of a photonic crystal waveguide integrated with a semiconductor optical amplifier. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 768.	2.1	13
115	Implementation of a cost-effective optical comb source in a WDM-PON with 107Gb/s data to each ONU and 50km reach. Optics Express, 2010, 18, 15672.	3.4	13
116	Impact of Laser Mode Partition Noise on Optical Heterodyning at Millimeter-Wave Frequencies. Journal of Lightwave Technology, 2016, 34, 4278-4284.	4.6	13
117	OFDM Baud Rate Limitations in an Optical Heterodyne Analog Fronthaul Link using Unlocked Fibre Lasers. , 2019, , .		13
118	28 GBd PAM-8 transmission over a 100 nm range using an InP-Si ₃ N ₄ based integrated dual tunable laser module. Optics Express, 2021, 29, 16563.	3.4	13
119	Wavelength tunable pulse generation at 10 GHz by strong filtered feedback using a gain-switched Fabry-Perot laser. Electronics Letters, 1994, 30, 74-75.	1.0	12
120	Performance issues associated with WDM optical systems using self-seeded gain switched pulse sources due to mode partition noise effects. IEEE Photonics Technology Letters, 2002, 14, 1202-1204.	2.5	12
121	Characterization of 40-Gbit/s Pulses Generated Using a Lithium Niobate Modulator at 1550 nm Using Frequency Resolved Optical Gating. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 186-191.	4.7	12
122	Cross-Channel Interference Due to Wavelength Drift of Tunable Lasers in DWDM Networks. IEEE Photonics Technology Letters, 2007, 19, 616-618.	2.5	12
123	Two-section singlemode lasers based on slots suitable for photonic integration. Electronics Letters, 2012, 48, 945.	1.0	12
124	80-km Coherent DWDM-PON on 20-GHz Grid With Injected Gain Switched Comb Source. IEEE Photonics Technology Letters, 2014, 26, 364-367.	2.5	12
125	Simulations of the OSNR and laser linewidth limits for reliable wavelength conversion of DQPSK signals using four-wave mixing. Optics Communications, 2014, 310, 150-155.	2.1	12
126	60-GHz Direct Modulation-Direct Detection OFDM-RoF System Using Gain-Switched Laser. IEEE Photonics Technology Letters, 2015, 27, 193-196.	2.5	12

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127	WDM Orthogonal Subcarrier Multiplexing. Journal of Lightwave Technology, 2016, 34, 1815-1823.	4.6	12
128	Tapless and topology agnostic calibration solution for silicon photonic switches. Optics Express, 2018, 26, 32662.	3.4	12
129	Investigation of stimulated Brillouin scattering effects in radio-over-fiber distribution systems. Optics Communications, 2005, 255, 253-260.	2.1	11
130	Cross-channel interference due to wavelength switching events in wavelength packed switched WDM networks. Optics Communications, 2006, 267, 88-91.	2.1	11
131	Static and dynamic analysis of side-mode suppression of widely tunable sampled grating DBR (SG-DBR) lasers. Optics Communications, 2009, 282, 81-87.	2.1	11
132	Novel Frequency Chirp Compensation Scheme for Directly Modulated SG DBR Tunable Lasers. IEEE Photonics Technology Letters, 2009, 21, 340-342.	2.5	11
133	Low cost comb source in a coherent wavelength division multiplexed system. , 2010, , .		11
134	Gain-switched multicarrier transmitter in a long-reach UDWDM PON with a digital coherent receiver. Optics Letters, 2013, 38, 4797.	3.3	11
135	Optimum Bias Point in Broadband Subcarrier Multiplexing With Optical IQ Modulators. Journal of Lightwave Technology, 2015, 33, 258-266.	4.6	11
136	Chirp-Compensated DBR Lasers for TWDM-PON Applications. IEEE Photonics Journal, 2015, 7, 1-9.	2.0	11
137	Compensation of nonlinear distortion in coherent optical OFDM systems using a MIMO deep neural network-based equalizer. Optics Letters, 2020, 45, 5820.	3.3	11
138	Active demultiplexer enabled mmW ARoF transmission of directly modulated 64-QAM UF-OFDM signals. Optics Letters, 2020, 45, 5246.	3.3	11
139	Investigation of pulse pedestal and dynamic chirp formation on picosecond pulses after propagation through an SOA. IEEE Photonics Technology Letters, 2005, 17, 1800-1802.	2.5	10
140	Resonance tuning of two-photon absorption microcavities for wavelength-selective pulse monitoring. IEEE Photonics Technology Letters, 2006, 18, 433-435.	2.5	10
141	An IR-UWB Photonic Distribution System. IEEE Photonics Technology Letters, 2008, 20, 1884-1886.	2.5	10
142	Distributed management of energy-efficient lightpaths for computational grids. , 2012, , .		10
143	200-Gb/s Baudrate-Pilot-Aided QPSK/Direct Detection With Single-Section Quantum-Well Mode-Locked Laser. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	10
144	100-km Coherent Nyquist Ultradense Wavelength Division Multiplexed Passive Optical Network Using a Tunable Gain-Switched Comb Source. Journal of Optical Communications and Networking, 2016, 8, 112.	4.8	10

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145	Histogram Based Clustering for Nonlinear Compensation in Long Reach Coherent Passive Optical Networks. Applied Sciences (Switzerland), 2020, 10, 152.	2.5	10
146	Quantum Dash Passively Mode Locked Laser for Optical Heterodyne Millimeter-Wave Analog Radio-over-Fiber Fronthaul Systems. , 2020, , .		10
147	Complete characterisation of pulse propagation in optical fibres using frequency-resolved optical gating. Electronics Letters, 1996, 32, 2339.	1.0	9
148	Characterization of nonlinear switching in a figure-of-eight fiber laser using frequency-resolved optical gating. IEEE Photonics Technology Letters, 1998, 10, 343-345.	2.5	9
149	System-Performance Analysis of Optimized Gain-Switched Pulse Source Employed in 40- and 80-Gb/s OTDM Systems. Journal of Lightwave Technology, 2007, 25, 1495-1502.	4.6	9
150	Demonstration and optimization of an optical impulse radio ultrawideband distribution system using a gain-switched laser transmitter. Journal of Optical Networking, 2009, 8, 179.	2.5	9
151	Linewidth of SG-DBR laser and its effect on DPSK transmission. Optics Communications, 2010, 283, 5040-5045.	2.1	9
152	Two-Photon-Absorption-Based OSNR Monitor for NRZ-PSK Transmission Systems. IEEE Photonics Technology Letters, 2010, 22, 275-277.	2.5	9
153	Renewal Model of a Buffered Optical Burst Switch. IEEE Communications Letters, 2011, 15, 91-93.	4.1	9
154	Narrow-Linewidth Discrete-Mode Laser Diodes for Coherent Communication Applications. Journal of Optical Communications and Networking, 2012, 4, A90.	4.8	9
155	Theoretical Analysis of Tunable Three-Section Slotted Fabry-Pérot Lasers Based on Time-Domain Traveling-Wave Model. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1-8.	2.9	9
156	Penalty-free wavelength conversion with variable channel separation using gain-switched comb source. Optics Communications, 2014, 324, 69-72.	2.1	9
157	Programmable Wavelength Locking and Routing in a Silicon-Photonic Interconnection Network Implementation. , 2015, , .		9
158	Simple dispersion estimate for single-section quantum-dash and quantum-dot mode-locked laser diodes. Optics Letters, 2016, 41, 5676.	3.3	9
159	Filter Bank Multicarrier (FBMC) for long-reach intensity modulated optical access networks. Optics Communications, 2017, 389, 110-117.	2.1	9
160	AgileDCN: An Agile Reconfigurable Optical Data Center Network Architecture. Journal of Lightwave Technology, 2020, 38, 4922-4934.	4.6	9
161	Experimental investigation of the impact of optical injection on vital parameters of a gain-switched pulse source. Optics Communications, 2007, 277, 150-155.	2.1	8
162	Investigation of noise suppression, pulse intensity and chirp of an actively mode-locked semiconductor fiber ring laser. Optics Communications, 2007, 280, 142-146.	2.1	8

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163	Polarization dependence of a GaAs-based two-photon absorption microcavity photodetector. Optics Express, 2008, 16, 17682.	3.4	8
164	Optical millimeter-wave generation and transmission system for 1.25Gbit/s downstream link using a gain switched laser. Optics Communications, 2009, 282, 4789-4792.	2.1	8
165	Modulated Millimeter-Wave Generation by External Injection of a Gain Switched Laser. IEEE Photonics Technology Letters, 2011, 23, 447-449.	2.5	8
166	Terahertz-bandwidth coherence measurements of a quantum dash laser in passive and active mode-locking operation. Optics Letters, 2012, 37, 4967.	3.3	8
167	Dynamic characteristics of InGaAs/InP multiple quantum well discrete mode laser diodes emitting at 2 μ m. Electronics Letters, 2014, 50, 948-950.	1.0	8
168	DM-DD OFDM-RoF System With Adaptive Modulation Using a Gain-Switched Laser. IEEE Photonics Technology Letters, 2015, 27, 856-859.	2.5	8
169	Impact of Band Rejection in Multichannel Broadband Subcarrier Multiplexing. Journal of Optical Communications and Networking, 2015, 7, 248.	4.8	8
170	Integrated Gain Switched Comb Source for 100 Gb/s WDM-SSB-DD-OFDM System. Journal of Lightwave Technology, 2015, 33, 3525-3532.	4.6	8
171	Converged wired and wireless services in next generation optical access networks. , 2017, , .		8
172	Simplified Overflow Analysis of an Optical Burst Switch with Fibre Delay Lines. , 2009, , .		8
173	Overcoming laser diode nonlinearity issues in multi-channel radio-over-fiber systems. Optics Communications, 2004, 231, 217-225.	2.1	7
174	Characterization of Frequency Drift of Sampled-Grating DBR Laser Module Under Direct Modulation. IEEE Photonics Technology Letters, 2008, 20, 72-74.	2.5	7
175	Chromatic Dispersion Monitoring for High-Speed WDM Systems Using Two-Photon Absorption in a Semiconductor Microcavity. IEEE Journal of Quantum Electronics, 2009, 45, 223-232.	1.9	7
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