Mario Dagenais

List of Publications by Year
in descending order

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236	6,292	134610	84171
papers	citations	34 h-index	75 g-index

237	237	237	5491
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comparative study of subcell optoelectronic properties and energy losses in multijunction solar cells. Solar Energy Materials and Solar Cells, 2022, 236, 111543.	3.0	8
2	On-Chip High Extinction Ratio Single-Stage Mach-Zehnder Interferometer Based on Multimode Interferometer. IEEE Photonics Journal, 2022, 14, 1-6.	1.0	2
3	Silicon nitride polarization beam splitter based on polarization-independent MMIs and apodized Bragg gratings. Optics Express, 2021, 29, 14476.	1.7	17
4	Q-factor Enhancement in Slow-Light Nanobeam Cavities on a Silicon Nitride Platform. , 2020, , .		0
5	High-Q nanobeam cavities on a silicon nitride platform enabled by slow light. APL Photonics, 2020, 5, 066101.	3.0	6
6	Integrated Arbitrary Filter With Spiral Gratings: Design and Characterization. Journal of Lightwave Technology, 2020, 38, 4454-4461.	2.7	7
7	On-Chip Fabryâ€“Perot Bragg Grating Cavity Enhanced Four-Wave Mixing. ACS Photonics, 2020, 7, 1009-1015.	3.2	13
8	Design and Characterization of Arbitrary Filters with an Integrated Spiral Si3N4/SiO2 Waveguide. , 2020, , .		0
9	Fabry-Perot Bragg Grating Cavity Enhanced Four-Wave Mixing on Si3N4 Chip. , 2020, , .		0
10	On-Chip Fabry-Perot Bragg Grating Cavity Enhanced Four-Wave Mixing. , 2020, , .		0
11	Integrated Spiral Waveguide Filter with 55 Arbitrary Notches: Design and Fabrication. , 2020, , .		0
12	Selective area growth of GaN nanowires on Si(1â€¯1â€¯1) substrate with Ti masks by molecular beam epitaxy. Journal of Crystal Growth, 2019, 524, 125181.	0.7	4
13	High-Efficiency Perovskite Solar Cell Based on Sequential Doping of PTAA. IEEE Journal of Photovoltaics, 2019, 9, 1025-1030.	1.5	13
14	Astrophotonic Spectrographs. Applied Sciences (Switzerland), 2019, 9, 290.	1.3	34
15	Intermediate Band Challenge in InAs/GaAs Quantum Dot Solar Cell at Cryogenic Temperatures. , 2019, , .		0
16	Investigation of backward cladding-mode coupling in Bragg gratings implemented on a Si3N4 waveguide platform. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 3442.	0.9	5
17	Silicon Nitride/Silicon Dioxide Echelle Grating Spectrometer for Operation Near 1.55 Î¼m. IEEE Photonics Journal, 2018, 10, 1-7.	1.0	9
18	Silicon Nitride Echelle Grating Spectrometer for Operation Near 1.55Î¼m. , 2018, , .		0

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19	Introduction to the Special Issue on Ultralow Loss Planar Waveguides and Their Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-3.	1.9	1
20	Characterization of Low Loss Waveguides Using Bragg Gratings. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-8.	1.9	435
21	Towards a multi-input astrophotonic AWG spectrograph. , 2018, , .		1
22	Addâ€“drop filter with complex waveguide Bragg grating and multimode interferometer operating on arbitrarily spaced channels. Optics Letters, 2018, 43, 6045.	1.7	20
23	An Efficient Approach to Characterize Low Loss Waveguides Using Bragg Gratings. , 2018, , .		1
24	Characterization of Low Loss Waveguides with High-Reflectivity Bragg Gratings. , 2018, , .		0
25	High saturation intensity in InAs/GaAs quantum dot solar cells and impact on the realization of the intermediate band concept at room-temperature. Applied Physics Letters, 2017, 110, 061107.	1.5	8
26	High Short-Circuit Current Density in CIS Solar Cells by a Simple Two-Step Selenization Process With a KF Postdeposition Treatment. IEEE Journal of Photovoltaics, 2017, 7, 676-683.	1.5	15
27	High Efficiency Perovskite Solar Cells by a Modified Low-Temperature Solution Process Inter-Diffusion Method. , 2017, , .		0
28	Arrayed waveguide grating spectrometers for astronomical applications: new results. Optics Express, 2017, 25, 17918.	1.7	60
29	Improvement of CIS Solar Cells with KF Postdeposition Following a Simple Two-Step Selenization Process. , 2017, , .		0
30	High Energy Conversion Efficiency in Quantum Dot Intermediate Band Solar Cells: Reality or Fantasy?. , 2017, , .		0
31	Ultrabroadband High Coupling Efficiency Fiber-to-Waveguide Coupler Using Si$_{3}$N$_{4}$ /SiO$_{2}$ Waveguides on Silicon. IEEE Photonics Journal, 2016, 8, 1-12.	1.0	18
32	Ultra-broadband High Coupling Efficiency Using a Si<inf>3</inf>N<inf>4</inf>/SiO<inf>2</inf> waveguide on silicon. , 2016, , .		1
33	Spectral dependence of carrier lifetimes in silicon for photovoltaic applications. Journal of Applied Physics, 2016, 120, .	1.1	3
34	Comprehensive study of antireflection coatings for mid-infrared lasers. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	0.9	6
35	Development of high-resolution arrayed waveguide grating spectrometers for astronomical applications: first results. , 2016, , .		3
36	Arbitrary on-chip optical filter using complex waveguide Bragg gratings. Applied Physics Letters, 2016, 108, .	1.5	50

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37	Complex Waveguide Bragg Gratings For arbitrary spectral filtering. , 2016, , .		0
38	Roadmap on optical energy conversion. Journal of Optics (United Kingdom), 2016, 18, 073004.	1.0	85
39	Fabrication of organic-inorganic perovskite thin films for planar solar cells via pulsed laser deposition. AIP Advances, 2016, 6, 015001.	0.6	32
40	A nanowaveguide platform for collective atom-light interaction. Applied Physics Letters, 2015, 107, .	1.5	18
41	Modified Shockley-Queisser limit for quantum dot solar cells. , 2015, , .		1
42	Effect of Carrier Leakage on Optimal AR Coatings in Midinfrared Interband Cascade Lasers. IEEE Photonics Journal, 2015, 7, 1-11.	1.0	1
43	Investigation of room temperature non-linear sub-bandgap photocurrent generation in InAs/GaAs quantum dot solar cells. , 2015, , .		0
44	Enhanced carrier collection efficiency and reduced quantum state absorption by electron doping in self-assembled quantum dot solar cells. Applied Physics Letters, 2015, 106, .	1.5	10
45	Non-resonant below-bandgap two-photon absorption in quantum dot solar cells. Applied Physics Letters, 2015, 106, .	1.5	9
46	Belowâ€bandgap absorption in InAs/GaAs selfâ€assembled quantum dot solar cells. Progress in Photovoltaics: Research and Applications, 2015, 23, 997-1002.	4.4	15
47	Carrier Leakage and Mirror Loss in Interband Cascade Lasers. , 2014, , .		0
48	Urbach tail in intermediate band InAs/GaAs quantum dot solar cells. , 2014, , .		1
49	Optical characterization of refractive index sensors based on planar waveguide Fabry-Perot Bragg grating cavity. Proceedings of SPIE, 2013, , .	0.8	0
50	Integrated optical dipole trap for cold neutral atoms with an optical waveguide coupler. New Journal of Physics, 2013, 15, 043010.	1.2	18
51	Challenges to the concept of an intermediate band in InAs/GaAs quantum dot solar cells. Applied Physics Letters, 2013, 103, 141113.	1.5	25
52	GaAs/InAs quantum dot high efficiency solar cell. , 2013, , .		2
53	Optical characterization of refractive index sensors based on planar waveguide Fabryâ€“PÃ©rot Bragg grating cavity. Journal of Nanophotonics, 2013, 7, 073792.	0.4	3
54	A Mid-IR Antenna Integrated with a Geometrically Asymmetrical Metal-Insulator-Metal Rectifying Diode. , 2013, , 163-188.		5

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55	A comparison of bulk and quantum dot GaAs solar cells. , 2012, , .		0
56	A new process for the fabrication of planar antenna coupled Niâ€“NiOxâ€“Ni tunnel junction devices. Microelectronic Engineering, 2012, 98, 329-333.	1.1	4
57	Carrier leakage in interband cascade lasers. , 2012, , .		2
58	Formation of CuInSe2 absorber by rapid thermal processing of electron-beam evaporated stacked elemental layers. Journal of Materials Science: Materials in Electronics, 2012, 23, 964-971.	1.1	6
59	Gain and Losses and Room-Temperature Operation in Interband Cascade Lasers. IEEE Photonics Journal, 2012, 4, 133-142.	1.0	13
60	A Focused Asymmetric Metalâ€“Insulatorâ€“Metal Tunneling Diode: Fabrication, DC Characteristics and RF Rectification Analysis. IEEE Transactions on Electron Devices, 2011, 58, 3519-3528.	1.6	49
61	Antenna-coupled metal-insulator-metal tunneling diode for energy harvesting. , 2011, , .		0
62	Fabrication of Cu(In,Ga)Se2 Thin Film by Selenization of Stacked Elemental Layer with Solid Selenium. ECS Transactions, 2011, 41, 241-246.	0.3	1
63	High Specificity Binding of Lectins to Carbohydrate-Functionalized Fiber Bragg Gratings: A New Model for Biosensing Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 647-653.	1.9	19
64	Implementation of E-Beam Proximity Effect Correction using linear programming techniques for the fabrication of asymmetric bow-tie antennas. Solid-State Electronics, 2010, 54, 1211-1215.	0.8	14
65	Solar spectrum rectification using nano-antennas and tunneling diodes. Proceedings of SPIE, 2010, , .	0.8	42
66	Geometry enhanced asymmetric rectifying tunneling diodes. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C6O50-C6O55.	0.6	20
67	Measurement of internal quantum efficiency and temperature dependence of gain and loss in interband cascade lasers near room-temperature. , 2010, , .		0
68	New Process Development for Planar-Type CIC Tunneling Diodes. IEEE Electron Device Letters, 2010, 31, 809-811.	2.2	24
69	Thermal impedance of epi-up and epi-down interband cascade lasers. , 2010, , .		0
70	High Specificity Binding of Lectins to Carbohydrate Functionalized Etched Fiber Bragg Grating Optical Sensors. IFMBE Proceedings, 2010, , 317-320.	0.2	0
71	Evanescent Fiber Bragg Grating Biosensors. , 2010, , 21â€šÃ„Ã¬1-21â€šÃ„Ã¬16.		0
72	Covalent Attachment of Carbohydrate Derivatives to an Evanescent Wave Fiber Bragg Grating Biosensor. Journal of Sensors, 2009, 2009, 1-7.	0.6	4

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73	Experimental demonstration of injection-locked Fabry-Perot lasers with integrated phase modulators. , 2009, , .		0
74	Fabrication of a thin film asymmetric tunneling diode using geometric field enhancement. , 2009, , .		1
75	Incoherent optical frequency domain reflectometry for health monitoring of avionics fiber optics networks. , 2008, , .		2
76	Real-Time Monitoring of Siloxane Monolayer Film Formation on Silica Using a Fiber Bragg Grating. Current Analytical Chemistry, 2008, 4, 356-361.	0.6	9
77	Semiconductor optical amplifier switch matrices for optical header recognition. , 2008, , .		0
78	Lithography, plasmonics and sub-wavelength aperture exposure technology. , 2007, , .		0
79	Lithography, plasmonics, and subwavelength aperture exposure technology. Journal of Vacuum Science & Technology B, 2007, 25, 2471.	1.3	4
80	Lithography, Plasmonics and Sub-wavelength Aperture Exposure Technology. , 2007, , .		0
81	Tunable External Cavity Interband Cascade Laser. , 2007, , .		0
82	Monolayer Detection of Biochemical Agents Using Etched-Core Fiber Bragg Grating Sensors. IEEE Photonics Technology Letters, 2007, 19, 1341-1343.	1.3	38
83	All-Optical Header Recognition Using a Semiconductor Optical Amplifier Switch Matrix. , 2007, , .		2
84	Incoherent Optical Frequency Domain Interferometry for Avionics. , 2006, , .		2
85	Increased sensitivity and parametric discrimination using higher order modes of etched-core fiber Bragg grating sensors. IEEE Photonics Technology Letters, 2006, 18, 178-180.	1.3	31
86	Monolayer Detection Using Etched-core Fiber Bragg Grating Sensors. , 2006, , .		0
87	Enhanced sensitivity to index changes of the surrounding medium for high order modes of etched-core Fiber Bragg Grating sensors. , 2006, , .		0
88	Optical biosensors based on etched fiber Bragg gratings. , 2005, , .		5
89	Detecting hybridization of DNA by highly sensitive evanescent field etched core fiber Bragg grating sensors. IEEE Journal of Selected Topics in Quantum Electronics, 2005, 11, 864-872.	1.9	122
90	Semiconductor optical amplifier for CWDM operating over 1540-1620 nm. IEEE Photonics Technology Letters, 2005, 17, 980-982.	1.3	20

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91	High sensitivity evanescent field fiber Bragg grating sensor. IEEE Photonics Technology Letters, 2005, 17, 1253-1255.	1.3	177
92	Solder-Assembled High Coupling Efficiency Single-Mode Laser Modules Using Micro-Heaters and Precompensation Technique. IEEE Transactions on Components and Packaging Technologies, 2004, 27, 305-310.	1.4	0
93	A novel method for fabrication of a hybrid optoelectronic packaging platform utilizing passive-active alignment. IEEE Photonics Technology Letters, 2003, 15, 299-301.	1.3	9
94	Smoothly wavelength-tunable picosecond pulse generation using a harmonically mode-locked fiber ring laser. Journal of Lightwave Technology, 2003, 21, 930-937.	2.7	27
95	Design and fabrication of thin film resistive heaters for hybrid optoelectronic packaging. IEEE Transactions on Advanced Packaging, 2002, 25, 495-502.	1.7	6
96	A stable smoothly wavelength-tunable picosecond pulse generator. IEEE Photonics Technology Letters, 2002, 14, 840-842.	1.3	59
97	A 2 x 2 crosspoint switch fabricated on the passive active resonant coupler (PARC) platform. IEEE Photonics Technology Letters, 2001, 13, 203-205.	1.3	10
98	Optical pattern recognition by use of a segmented semiconductor optical amplifier. Optics Letters, 2001, 26, 1248.	1.7	1
99	Accelerated and reproducible oxidation of strain-compensated short-period superlattice structures for incorporation in InP based devices. Applied Physics Letters, 2001, 78, 64-66.	1.5	2
100	Passive active resonant coupler platform with tapered passive waveguide. Electronics Letters, 2000, 36, 1153.	0.5	1
101	Passive/active resonant coupler (PARC) platform with tapered passive waveguide. , 2000, 4087, 254.		0
102	Integrated 1/spl times/2 loss-less Y-junction splitter on a passive active resonant coupler platform. , 2000, , .		1
103	Molecular beam epitaxial growth of vertical cavity surface emitting lasers with digital alloys and digital gradings. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 1619.	1.6	10
104	Polarisation independent -strained InGaAs/InGaAsP quantum well waveguide modulator. Electronics Letters, 2000, 36, 164.	0.5	1
105	Passive active resonant coupler (PARC) platform with mode expander. , 2000, , .		1
106	Dependence of the light-current characteristics of 1.55-Î¼m broad-area lasers on different p-doping profiles. IEEE Photonics Technology Letters, 2000, 12, 251-253.	1.3	12
107	High-power broad-band superluminescent diode with low spectral modulation at 1.5-/spl mu/m wavelength. IEEE Photonics Technology Letters, 2000, 12, 783-785.	1.3	28
108	Lossless 1 x 2 optical switch monolithically integrated on a passive active resonant coupler (PARC) platform. IEEE Photonics Technology Letters, 2000, 12, 840-842.	1.3	7

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109	Passive active resonant coupler (PARC) platform with mode expander. IEEE Photonics Technology Letters, 2000, 12, 1025-1027.	1.3	5
110	A 2Ã—2 Cross-Point Switch fabricated on the Passive Active Resonant Coupler (PARC) Platform. , 2000, , .		2
111	Taper Length Variation in Passive Active Resonant Coupler (PARC) Platform. , 2000, , .		1
112	>90mW CW Superluminescent Output Power from Single-Angled Facet-Ridge Waveguide Diode at 1.5 Âµm. , 1999, , 5.		1
113	Compact low-loss vertical resonant mode coupling between two well-confined waveguides. Electronics Letters, 1999, 35, 1195.	0.5	14
114	A method of highly efficient hydrolyzation oxidation of IIIâ€“V semiconductor lattice matched to indium phosphide. Applied Physics Letters, 1999, 75, 1264-1266.	1.5	12
115	Electroless remetallization of aluminum bond pads on CMOS driver chip for flip-chip attachment to vertical cavity surface emitting lasers (VCSEL's). IEEE Transactions on Components and Packaging Technologies, 1999, 22, 299-306.	1.4	36
116	Polarization-independent waveguide modulators using 1.57-Î¼m /spl delta/-strained InGaAs-InGaAsP quantum wells. IEEE Photonics Technology Letters, 1999, 11, 554-556.	1.3	9
117	Mode expanded optical switch in resonant vertically coupled waveguides. IEEE Photonics Technology Letters, 1999, 11, 1259-1261.	1.3	0
118	Response surface study of inductively coupled plasma etching of GaAs/AlGaAs in BCl3/Cl2. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 52-55.	0.9	19
119	Programmable high-bit-rate pattern generator with a segmented semiconductor optical amplifier. Optics Letters, 1999, 24, 324.	1.7	4
120	Nonlinearly limited saturable-absorber mode locking of an erbium fiber laser. Optics Letters, 1999, 24, 1074.	1.7	39
121	Hybrid and monolithic wavelength division multiplexed transmitter arrays: performance of commercially available devices. , 1999, , .		0
122	Alignment-tolerant structures for ease of optoelectronic packaging. , 1999, 3626, 128.		7
123	Novel Ultra-low Voltage Expanded Mode Modulator Monolithically Integrated with a Laser using SingleEpitaxial Growth. , 1999, , .		0
124	Imaging and Hyper-Spectral Behavior of Flip-Chip CMOS-Driven 956 nm Back-Emitting Vertical-Cavity Surface-Emitting Laser Array. , 1999, , .		1
125	A High-speed Smart Pixel Array using VCSEL based Integrated Optoelectronics. , 1999, , .		2
126	Compact mode expanders using resonant coupling between a tapered active region and an underlying coupling waveguide. IEEE Photonics Technology Letters, 1998, 10, 203-205.	1.3	11

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127	Highly coherent RF signal generation by heterodyne optical phase locking of external cavity semiconductor lasers. IEEE Photonics Technology Letters, 1998, 10, 719-721.	1.3	21
128	1.9-W quasi-CW from a near-diffraction-limited 1.55-Î¼m InGaAsP-InP tapered laser. IEEE Photonics Technology Letters, 1998, 10, 1091-1093.	1.3	15
129	Compact mode expanded lasers using resonant coupling between a 1.55-Î¼m InGaAsP tapered active region and an underlying coupling waveguide. IEEE Photonics Technology Letters, 1998, 10, 1232-1234.	1.3	16
130	Detuned loading effect and high-speed modulation of fiber grating semiconductor lasers. IEEE Photonics Technology Letters, 1998, 10, 1784-1786.	1.3	8
131	Dependence of lateral oxidation rate on thickness of AlAs layer of interest as a current aperture in vertical-cavity surface-emitting laser structures. Journal of Applied Physics, 1998, 84, 600-605.	1.1	25
132	Single-longitudinal-mode, nonantireflection-coated, fiber grating laser with a 50-dB side-mode suppression ratio. , 1998, , .		0
133	<title>Dependence of the lateral oxidation rate of an AlAs layer used as a current aperture in vertical-cavity surface-emitting lasers on different physical parameters</title>. , 1998, 3286, 103.		3
134	Single-angled-facet laser diode for widely tunable external cavity semiconductor lasers with high spectral purity. Electronics Letters, 1997, 33, 1387.	0.5	18
135	Kinetics of growth of AlAs oxide in selectively oxidized vertical cavity surface emitting lasers. Journal of Applied Physics, 1997, 82, 4586-4589.	1.1	23
136	Optical generation of a highly coherent microwave signal by heterodyne phase locking two grating coupled external cavity semiconductor lasers. , 1997, , .		0
137	A Novel Surface Preparation and Post-Etch Removal Technique for InGaAs Sidewalls. Materials Research Society Symposia Proceedings, 1997, 477, 317.	0.1	2
138	Optical generation of a megahertz-linewidth microwave signal using semiconductor lasers and a discriminator-aided phase-locked loop. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1296-1300.	2.9	71
139	Corrections to "Optical Generation of a Megahertz-Linewidth Microwave Signal Using Semiconductor Lasers and a Discriminator-Aided Phase-Locked Loop". IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1811-1811.	2.9	1
140	Controlled solder interdiffusion for high power semiconductor laser diode die bonding. IEEE Transactions on Advanced Packaging, 1997, 20, 141-145.	0.7	28
141	Wet-chemistry surface treatment for dark-current reduction that preserves lateral dimensions of reactive ion etched Ga/sub 0.47/In/sub 0.53/As p-i-n diode photodetectors. IEEE Photonics Technology Letters, 1997, 9, 490-492.	1.3	3
142	Experimental confirmation of phase relationships of multimode interference splitters using a shearing-type near-field Sagnac interferometer. IEEE Photonics Technology Letters, 1997, 9, 937-939.	1.3	3
143	Dependence of the linewidth enhancement factor on the number of compressively strained quantum well in lasers. IEEE Photonics Technology Letters, 1997, 9, 1081-1083.	1.3	7
144	Polarization insensitive 1.55-Î¼m optical amplifier with GaAs delta-strained Ga/sub 0.47/In/sub 0.53/As quantum wells. IEEE Photonics Technology Letters, 1997, 9, 1340-1342.	1.3	19

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145	High-sensitivity semiconductor optically preamplified Q-PPM receiver. IEEE Photonics Technology Letters, 1997, 9, 1394-1396.	1.3	2
146	High butt-coupling efficiency to single-mode fibers using a 1.55-Î¼m InGaAsP laser integrated with a tapered ridge mode transformer. IEEE Photonics Technology Letters, 1997, 9, 1472-1474.	1.3	17
147	Introduction to the issue on alignment tolerant structures for ease of optoelectronic packaging. IEEE Journal of Selected Topics in Quantum Electronics, 1997, 3, 1306-1307.	1.9	2
148	1.55-Î¼m InGaAsP-InP laser arrays with integrated-mode expanders fabricated using a single epitaxial growth. IEEE Journal of Selected Topics in Quantum Electronics, 1997, 3, 1332-1343.	1.9	36
149	{7 6 6} Oriented V-groove surfaces on Br2â€“CH3OH etched (1 0 0) GaAs wafers. Journal of Materials Science: Materials in Electronics, 1997, 8, 109-113.	1.1	1
150	Solid source MBE growth and regrowth of 1.55 Î¼m wavelength ridge lasers. Journal of Crystal Growth, 1997, 175-176, 46-51.	0.7	4
151	GaAs-AlGaAs QW diluted waveguide laser with low-loss, alignment-tolerant coupling to a single-mode fiber. IEEE Photonics Technology Letters, 1996, 8, 1130-1132.	1.3	10
152	Dual-channel-spacing phased-array waveguide grating multi/demultiplexers. IEEE Photonics Technology Letters, 1996, 8, 1501-1503.	1.3	14
153	Wavelength conversion using a T-gate laser. IEEE Photonics Technology Letters, 1996, 8, 52-54.	1.3	3
154	LIGHTNING network and systems architecture. Journal of Lightwave Technology, 1996, 14, 1371-1387.	2.7	30
155	980-nm semiconductor optical preamplifier direct-detection receiver. , 1996, , .		2
156	Practical approach to design and fabrication of antireflection coatings for semiconductor optical amplifiers. IEEE Photonics Technology Letters, 1996, 8, 509-511.	1.3	4
157	Nonlinearities in p-i-n microwave photodetectors. Journal of Lightwave Technology, 1996, 14, 84-96.	2.7	201
158	Etch-mask of pyrolytic-photoresist thin-film for self-aligned fabrication of smooth and deep faceted three-dimensional microstructures. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 3650.	1.6	9
159	Solid source molecular beam epitaxy of low threshold 1.55 Î¼m wavelength GaInAs/GaInAsP/InP semiconductor lasers. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 2753.	1.6	6
160	High-power, high-temperature operation of GaInAsSb-AlGaAsSb ridge-waveguide lasers emitting at 1.9 μm. IEEE Photonics Technology Letters, 1995, 7, 281-283.	1.3	11
161	Spectral characteristics of vertical-cavity surface-emitting lasers with strong external optical feedback. IEEE Photonics Technology Letters, 1995, 7, 739-741.	1.3	25
162	Measurement of logarithmic gain coefficient (G₀) and temperature sensitivity in gaas/aigaas quantum well lasers. , 1995, , .		0

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163	Single-angled-facet laser diode for tunable external cavity lasers. , 1995, , .		2
164	Measurement of the facet modal reflectivity spectrum in high quality semiconductor traveling wave amplifiers. Journal of Lightwave Technology, 1995, 13, 430-433.	2.7	15
165	Near-Ideal Diffraction-Limited Beam from a 970 nm High-Power Angled-Facet Tapered Semiconductor Optical Amplifier. , 1995, , .		1
166	Nearly degenerate fourâ€wave mixing in a verticalâ€cavity surfaceâ€emitting laser. Applied Physics Letters, 1994, 65, 1334-1336.	1.5	12
167	Influence of external optical feedback on threshold and spectral characteristics of vertical-cavity surface-emitting lasers. IEEE Photonics Technology Letters, 1994, 6, 34-36.	1.3	67
168	Effects of high space-charge fields on the response of microwave photodetectors. IEEE Photonics Technology Letters, 1994, 6, 639-641.	1.3	120
169	Nearly degenerate four-wave mixing in Fabryâ€“Perot semiconductor lasers. Optics Letters, 1993, 18, 1337.	1.7	15
170	Etch Characteristics of Succinic Acid/Ammonia/Hydrogen Peroxide versus Aluminum Mole Fraction in AlGaAs. Journal of the Electrochemical Society, 1993, 140, L138-L139.	1.3	16
171	High-power high-gain monolithically integrated preamplifier/power amplifier. Electronics Letters, 1993, 29, 1981.	0.5	15
172	Observation of dynamic frequency chirp in dispersive nonlinear semiconductor laser amplifiers. Applied Physics Letters, 1993, 63, 2469-2471.	1.5	0
173	Highâ€frequency polarization selfâ€modulation in verticalâ€cavity surfaceâ€emitting lasers. Applied Physics Letters, 1993, 63, 3545-3547.	1.5	114
174	Realâ€time in situ ellipsometric control of antireflection coatings for semiconductor laser amplifiers using SiOx. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1993, 11, 2398-2406.	0.9	27
175	Subnanosecond optically addressable generalized optical crossbar switch with an aggregate throughput rate of 4.2 Gbit/s. Applied Physics Letters, 1993, 62, 2185-2187.	1.5	5
176	Optical injection induced polarization bistability in verticalâ€cavity surfaceâ€emitting lasers. Applied Physics Letters, 1993, 63, 2999-3001.	1.5	234
177	Observation of nearly degenerate and cavityâ€enhanced highly nondegenerate fourâ€wave mixing in semiconductor lasers. Applied Physics Letters, 1993, 62, 2757-2759.	1.5	18
178	Real-time in situ monitoring of antireflection coatings for semiconductor laser amplifiers by ellipsometry. IEEE Photonics Technology Letters, 1992, 4, 991-993.	1.3	18
179	Switching power dependence on detuning and current in bistable diode laser amplifiers. Applied Physics Letters, 1991, 58, 687-689.	1.5	29
180	Diode laser based optical logic devices. Proceedings of SPIE, 1990, , .	0.8	1

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181	Applications and challenges of OEIC technology: a report on the 1989 Hilton Head workshop. Journal of Lightwave Technology, 1990, 8, 846-862.	2.7	53
182	Demonstration Of Cascadability And Spectral Bistability In Bistable Diode Laser Amplifiers. , 1990, , .		0
183	The Quest for the Ultimate Nonlinear Optical Material. , 1990, , .		0
184	6â€“34 GHz offset phase-locking of Nd:YAG 1319 nm nonplanar ring lasers. Electronics Letters, 1989, 25, 1242.	0.5	103
185	Measurement of the damping dispersion of exciton polaritons in CdS. Physical Review Letters, 1987, 58, 1776-1779.	2.9	19
186	Dynamics of optically switched bistable diode laser amplifiers. IEEE Journal of Quantum Electronics, 1987, 23, 303-308.	1.0	37
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