

Michael J Strain

List of Publications by Year in descending order

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171
papers

3,391
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201385

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docs citations

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times ranked

3588
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Nanowires: a New Horizon for Polarization-resolved Terahertz Time-domain Spectroscopy. , 2021, , . | | 0 |
| 2 | Synchronization-free top-down illumination photometric stereo imaging using light-emitting diodes and a mobile device. Optics Express, 2021, 29, 1502. | 1.7 | 6 |
| 3 | High-sensitivity inter-satellite optical communications using chip-scale LED and single-photon detector hardware. Optics Express, 2021, 29, 10749. | 1.7 | 7 |
| 4 | Method for inferring the mechanical strain of GaN-on-Si epitaxial layers using optical profilometry and finite element analysis. Optical Materials Express, 2021, 11, 1643. | 1.6 | 7 |
| 5 | Combining Time of Flight and Photometric Stereo Imaging for 3D Reconstruction of Discontinuous Scenes. Optics Letters, 2021, 46, 3612-3615. | 1.7 | 7 |
| 6 | Terahertz Full-polarization-state Detection by Nanowires. , 2021, , . | | 0 |
| 7 | LED Excitation of an Imaging Cytometer for Bead-Based Immunoassay. IEEE Photonics Technology Letters, 2021, 33, 892-895. | 1.3 | 1 |
| 8 | High precision integrated photonic thermometry enabled by a transfer printed diamond resonator on GaN waveguide chip. Optics Express, 2021, 29, 29095. | 1.7 | 6 |
| 9 | Spatially dense integration of micron-scale devices from multiple materials on a single chip via transfer-printing. Optical Materials Express, 2021, 11, 3567. | 1.6 | 17 |
| 10 | Transfer-printing enables multi-material assembly of integrated photonic systems. , 2021, , . | | 0 |
| 11 | Enhancing self-assembled colloidal quantum dot microsphere lasers. , 2021, , . | | 5 |
| 12 | Sub-micron-accuracy automated position and rotation registration method for transferred devices. , 2021, , . | | 1 |
| 13 | Automated Nanoscale Absolute Accuracy Alignment System for Transfer Printing. ACS Applied Nano Materials, 2020, 3, 10326-10332. | 2.4 | 27 |
| 14 | High-Throughput Electrical Characterization of Nanomaterials from Room to Cryogenic Temperatures. ACS Nano, 2020, 14, 15293-15305. | 7.3 | 5 |
| 15 | 44â€1: Invited Paper: Microâ€LEDs for Technological Convergence between Displays, Optical Communications, and Sensing and Imaging Systems. Digest of Technical Papers SID International Symposium, 2020, 51, 638-641. | 0.1 | 2 |
| 16 | Combined Time of Flight and Photometric Stereo Imaging for Surface Reconstruction. , 2020, , . | | 0 |
| 17 | Gallium nitride micro-light-emitting diode structured light sources for multi-modal optical wireless communications systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190185. | 1.6 | 32 |
| 18 | Characterization, Selection, and Microassembly of Nanowire Laser Systems. Nano Letters, 2020, 20, 1862-1868. | 4.5 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Three-dimensional cross-nanowire networks recover full terahertz state. <i>Science</i> , 2020, 368, 510-513. | 6.0 | 81 |
| 20 | Direct integration of micro-LEDs and a SPAD detector on a silicon CMOS chip for data communications and time-of-flight ranging. <i>Optics Express</i> , 2020, 28, 6909. | 1.7 | 20 |
| 21 | Gigabit per second visible light communication based on AlGaInP red micro-LED micro-transfer printed onto diamond and glass. <i>Optics Express</i> , 2020, 28, 12149. | 1.7 | 20 |
| 22 | Transfer printing of AlGaAs-on-SOI microdisk resonators for selective mode coupling and low-power nonlinear processes. <i>Optics Letters</i> , 2020, 45, 881. | 1.7 | 11 |
| 23 | All-optical tuning of a diamond micro-disk resonator on silicon. <i>Photonics Research</i> , 2020, 8, 318. | 3.4 | 10 |
| 24 | Discrete Power-Stepping Pulse Amplitude Modulation for Optical Camera Communications Employing a CMOS-Integrated GaN µLED Array. , 2020, , . | | 0 |
| 25 | LED Excitation of an On-chip Imaging Flow Cytometer for Bead-based Immunoassay. , 2020, , . | | 1 |
| 26 | Integration of an LED/SPAD Optical Wireless Transceiver with CubeSat On-board Systems. , 2020, , . | | 0 |
| 27 | Design of an Athermal Interferometer Based on Tailored Subwavelength Metamaterials for On-Chip Microspectrometry. <i>IEEE Photonics Journal</i> , 2019, 11, 1-11. | 1.0 | 5 |
| 28 | Active On-Chip Dispersion Control Using a Tunable Silicon Bragg Grating. <i>Micromachines</i> , 2019, 10, 569. | 1.4 | 16 |
| 29 | Roadmap on all-optical processing. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 063001. | 1.0 | 128 |
| 30 | High-frequency dynamics of evanescently-coupled nanowire lasers. <i>Scientific Reports</i> , 2019, 9, 6126. | 1.6 | 6 |
| 31 | Temperature Insensitive Waveguide Interferometer based on Subwavelength Gratings. , 2019, , . | | 0 |
| 32 | Micro-LED Arrays for Spatio-Temporally Correlated Multi-Mode Operation. , 2019, , . | | 0 |
| 33 | Deep Three-Dimensional Solid-State Qubit Arrays with Long-Lived Spin Coherence. <i>Physical Review Applied</i> , 2019, 12, . | 1.5 | 27 |
| 34 | Towards using LED Arrays for Relative Alignment of Cube Satellite Clusters. , 2019, , . | | 2 |
| 35 | Scalable visible light communications with a micro-LED array projector and high-speed smartphone camera. <i>Optics Express</i> , 2019, 27, 15585. | 1.7 | 21 |
| 36 | Multispectral time-of-flight imaging using light-emitting diodes. <i>Optics Express</i> , 2019, 27, 35485. | 1.7 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Thermally tuneable integrated diamond micro-disk resonators fabricated by micro-assembly. , 2019, , . | | 0 |
| 38 | Technique for the measurement of picosecond optical pulses using a non-linear fiber loop mirror and an optical power meter. Optics Express, 2019, 27, 6377. | 1.7 | 0 |
| 39 | LED-Based Photometric Stereo-Imaging Employing Frequency-Division Multiple Access. , 2018, , . | | 3 |
| 40 | Lighting as a Service That Provides Simultaneous 3D Imaging and Optical Wireless Connectivity. , 2018, , . | | 2 |
| 41 | Hyperspectral Imaging Under Low Illumination with a Single Photon Camera. , 2018, , . | | 1 |
| 42 | Towards 3D optical integration by micro-transfer printing of ultra-thin membrane devices. , 2018, , . | | 0 |
| 43 | Nanoscale Accurate Heterogeneous Integration of Waveguide Devices by Transfer Printing. , 2018, , . | | 0 |
| 44 | Heterogeneous Integration of Silicon and AlGaAs Micro-Ring Resonators by Transfer Printing. , 2018, , . | | 0 |
| 45 | Temporal Encoding to Reject Background Signals in a Low Complexity, Photon Counting Communication Link. Materials, 2018, 11, 1671. | 1.3 | 4 |
| 46 | Positioning and Data Broadcasting Using Illumination Pattern Sequences Displayed by LED Arrays. IEEE Transactions on Communications, 2018, 66, 5582-5592. | 4.9 | 11 |
| 47 | High accuracy transfer printing of single-mode membrane silicon photonic devices. Optics Express, 2018, 26, 16679. | 1.7 | 33 |
| 48 | Thin film diamond membranes bonded on-demand with SOI ring resonators. Diamond and Related Materials, 2018, 88, 215-221. | 1.8 | 15 |
| 49 | Hybrid integration of an evanescently coupled AlGaAs microdisk resonator with a silicon waveguide by nanoscale-accuracy transfer printing. Optics Letters, 2018, 43, 4883. | 1.7 | 21 |
| 50 | High precision transfer printing for hybrid integration of multi-material waveguide devices. , 2018, , . | | 0 |
| 51 | Micro-assembly of hybrid diamond-Si resonator devices. , 2018, , . | | 0 |
| 52 | Positioning and Space-Division Multiple Access Enabled by Structured Illumination With Light-Emitting Diodes. Journal of Lightwave Technology, 2017, 35, 2339-2345. | 2.7 | 20 |
| 53 | Integration of Semiconductor Nanowire Lasers with Polymeric Waveguide Devices on a Mechanically Flexible Substrate. Nano Letters, 2017, 17, 5990-5994. | 4.5 | 55 |
| 54 | Silicon photonic processor of two-qubit entangling quantum logic. Journal of Optics (United Kingdom), 2017, 19, 160101. | 1.0 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | High-extinction-ratio TE/TM selective Bragg grating filters on silicon-on-insulator. Optics Letters, 2017, 42, 3040. | 1.7 | 16 |
| 56 | Silicon photonic filters with high rejection of both TE and TM modes for on-chip four wave mixing applications. Optics Express, 2017, 25, 19711. | 1.7 | 8 |
| 57 | High extinction ratio polarization selective TE/TM Bragg gratings filters on silicon-on-insulator. , 2017, , . | | 0 |
| 58 | Control of automated systems with a structured light illumination source. , 2016, , . | | 3 |
| 59 | Integrated microrings for on-chip filtering and efficient FWM generation. , 2016, , . | | 0 |
| 60 | Photonic integrated devices for exploiting the orbital angular momentum of light in optical communications. Frontiers of Optoelectronics, 2016, 9, 518-525. | 1.9 | 3 |
| 61 | Integrated TE/TM grating filters with high extinction ratio. , 2016, , . | | 0 |
| 62 | High speed spatial encoding enabled by CMOS-controlled micro-LED arrays. , 2016, , . | | 8 |
| 63 | Automated Routing and Control of Silicon Photonic Switch Fabrics. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 169-176. | 1.9 | 45 |
| 64 | A Micro-Processor-Based Feedback Stabilization Scheme for High-Q, Non-Linear Silicon Resonators. Applied Sciences (Switzerland), 2016, 6, 316. | 1.3 | 1 |
| 65 | Concept of a GaN-LED-based positioning system using structured illumination. , 2015, , . | | 3 |
| 66 | Pattern manipulation via on-chip phase modulation between orbital angular momentum beams. Applied Physics Letters, 2015, 107, 051102. | 1.5 | 9 |
| 67 | Ultrafast pulse generation in semiconductor lasers. , 2015, , . | | 0 |
| 68 | Polarisation selective Bragg filters on silicon-on-insulator. , 2015, , . | | 1 |
| 69 | Feedback-controlled tuning, switching, and locking of photonic integrated circuits. , 2015, , . | | 1 |
| 70 | Photonic integrated devices for exploiting the orbital angular momentum (OAM) of light in optical communications. , 2015, , . | | 1 |
| 71 | Fiber-to-Waveguide Alignment Assisted by a Transparent Integrated Light Monitor. IEEE Photonics Technology Letters, 2015, 27, 510-513. | 1.3 | 15 |
| 72 | Micrometer-scale integrated silicon source of time-energy entangled photons. Optica, 2015, 2, 88. | 4.8 | 212 |

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| 73 | Tunable Q-factor silicon microring resonators for ultra-low power parametric processes. Optics Letters, 2015, 40, 1274. | 1.7 | 31 |
| 74 | Bandpass integrated Bragg gratings in silicon-on-insulator with well-controlled amplitude and phase responses. Optics Letters, 2015, 40, 736. | 1.7 | 33 |
| 75 | Qubit entanglement between ring-resonator photon-pair sources on a silicon chip. Nature Communications, 2015, 6, 7948. | 5.8 | 178 |
| 76 | Compact multi-wavelength filters in SOI using superimposed sidewall Bragg gratings. , 2014, , . | | 0 |
| 77 | Silicon-on-insulator single channel-extraction filter for DWDM applications. , 2014, , . | | 2 |
| 78 | Measuring the angular emission of optical vortex beams from integrated devices. , 2014, , . | | 0 |
| 79 | Non-invasive monitoring and control in silicon photonics using CMOS integrated electronics. Optica, 2014, 1, 129. | 4.8 | 100 |
| 80 | Passive mode-locking in semiconductor lasers with saturable absorbers bandgap shifted through quantum well intermixing. Photonics Research, 2014, 2, 186. | 3.4 | 6 |
| 81 | Multi-wavelength filters in silicon using superposition sidewall Bragg grating devices. Optics Letters, 2014, 39, 413. | 1.7 | 35 |
| 82 | Multiwavelength super-structured Bragg grating laser for tunable repetition rate mode-locked operation. Optics Express, 2014, 22, 17050. | 1.7 | 2 |
| 83 | Ultra-low power Four Wave Mixing wavelength conversion in silicon micro-ring resonators with tunable Q-factor. , 2014, , . | | 1 |
| 84 | Photonic Integrated Filter With Widely Tunable Bandwidth. Journal of Lightwave Technology, 2014, 32, 897-907. | 2.7 | 50 |
| 85 | Non-Invasive On-Chip Light Observation by Contactless Waveguide Conductivity Monitoring. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 292-301. | 1.9 | 122 |
| 86 | Optimized Coupler Design for Slot Waveguide Ring Resonators. IEEE Photonics Technology Letters, 2014, 26, 224-226. | 1.3 | 1 |
| 87 | Dual-Mode Coupled-Resonator Integrated Optical Filters. IEEE Photonics Technology Letters, 2014, 26, 929-932. | 1.3 | 10 |
| 88 | In-band OSNR monitoring with a high sensitivity silicon photonics system-on-chip. , 2014, , . | | 0 |
| 89 | Generation of time-energy entangled photons on a silicon chip. , 2014, , . | | 0 |
| 90 | Non-invasive monitoring of silicon microring resonators through contactless integrated photonics probes. , 2014, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
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| 91 | Fast electrical switching of orbital angular momentum modes using ultra-compact integrated vortex emitters. Nature Communications, 2014, 5, 4856. | 5.8 | 149 |
| 92 | Integrated Microspectrometer with Elliptical Bragg Mirror Enhanced Diffraction Grating on Silicon on Insulator. ACS Photonics, 2014, 1, 430-436. | 3.2 | 22 |
| 93 | Non-Invasive Integrated Light Probe. , 2014, , . | | 0 |
| 94 | Emission of time-energy entangled photon pairs from an integrated silicon ring resonator. , 2014, , . | | 0 |
| 95 | Actively reconfigurable compact vortex beam emitters. , 2014, , . | | 0 |
| 96 | On-chip Electrical Modulation of Phase Shift between Optical Vortices with Opposite Topological Charge. , 2014, , . | | 1 |
| 97 | On-chip generation and analysis of maximal path-frequency entanglement. , 2014, , . | | 0 |
| 98 | Fast Switching of Optical Vortex Beam Mode Orders Generated Using a Fully Integrated SOI Device. , 2014, , . | | 0 |
| 99 | Generation of ultra-high repetition rate optical pulses through external injection in passively mode-locked monolithical semiconductor lasers. , 2013, , . | | 0 |
| 100 | BER Evaluation of a Passive SOI WDM Router. IEEE Photonics Technology Letters, 2013, 25, 2285-2288. | 1.3 | 19 |
| 101 | Integrated optically isolated laser source via non-reciprocal counter-propagating four-wave mixing. , 2013, , . | | 0 |
| 102 | Generation of Picosecond Pulses Over a 40-nm Wavelength Range Using an Array of Distributed Bragg Grating Mode-Locked Lasers. IEEE Photonics Technology Letters, 2013, 25, 368-370. | 1.3 | 3 |
| 103 | 40 GHz nonlinear all optical switching in a Mach-Zehnder interferometer integrated device. , 2013, , . | | 0 |
| 104 | High-Power AlGaInAs Mode-Locked DBR Laser With Integrated Tapered Optical Amplifier. IEEE Photonics Technology Letters, 2013, 25, 253-256. | 1.3 | 3 |
| 105 | Integrated microfluidic spectroscopic sensor using arrayed waveguide grating. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 106 | Tunable silicon photonics directional coupler driven by a transverse temperature gradient. Optics Letters, 2013, 38, 863. | 1.7 | 103 |
| 107 | Integrated nonlinear Mach Zehnder for 40 Gbit/s all-optical switching. Optics Express, 2013, 21, 21587. | 1.7 | 34 |
| 108 | Signal processing subsystems for optical interconnects. , 2013, , . | | 0 |

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| 109 | Continuously tunable, narrow linewidth mm-wave generation from a monolithically integrated triple DFB laser chip. , 2013, , . | | 0 |
| 110 | Multiwavelength laser based on superimposed Bragg gratings on multiquantum well AlGaInAs-InP. , 2013, , . | | 0 |
| 111 | Silicon micro-ring resonators with tunable Q-factor for ultra-low power parametric signal generation. , 2013, , . | | 0 |
| 112 | All-Optical Directional Switching in Bistable Semiconductor-Ring Lasers. IEEE Journal of Quantum Electronics, 2013, 49, 877-885. | 1.0 | 11 |
| 113 | Integrated emitters of cylindrically structured light beams. , 2013, , . | | 0 |
| 114 | Tailoring of dispersion in silicon vertical slot waveguides. , 2013, , . | | 0 |
| 115 | Monolithically Integrated DFB Lasers for Tunable and Narrow Linewidth Millimeter-Wave Generation. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1500406-1500406. | 1.9 | 16 |
| 116 | Spontaneous parametric fluorescence in SOI integrated microresonators. Proceedings of SPIE, 2013, , . | 0.8 | 1 |
| 117 | Group IV platforms for the mid-infrared. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 118 | Compact Tunable Directional Couplers in SOI. , 2013, , . | | 2 |
| 119 | Four-wave mixing and generation of correlated photon pairs in silicon ring resonators and photonic molecules. , 2013, , . | | 1 |
| 120 | Ultrashort Q-switched pulses from a passively mode-locked distributed Bragg reflector semiconductor laser. Optics Letters, 2012, 37, 4732. | 1.7 | 13 |
| 121 | Ultra-low power generation of twin photons in a compact silicon ring resonator. Optics Express, 2012, 20, 23100. | 1.7 | 184 |
| 122 | Modulational instability in a silicon-on-insulator directional coupler: role of the coupling-induced group velocity dispersion. Optics Letters, 2012, 37, 668. | 1.7 | 10 |
| 123 | High power (130ÂmW) 40ÂGHz 155Âµm mode-locked distributed Bragg reflector lasers with integrated optical amplifiers. Optics Letters, 2012, 37, 344. | 1.7 | 8 |
| 124 | From classical four-wave mixing to parametric fluorescence in silicon microring resonators. Optics Letters, 2012, 37, 3807. | 1.7 | 77 |
| 125 | Reconfigurable silicon filter with continuous bandwidth tunability. Optics Letters, 2012, 37, 3669. | 1.7 | 40 |
| 126 | Graphene nano-, micro- and macro-photonics. , 2012, , . | | 0 |

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| 127 | High average power (200 mW) 40 GHz mode-locked DBR lasers with integrated tapered optical amplifiers. , 2012, , . | | 2 |
| 128 | Highly-Sensitive Sonogram for Assessment of Chirp in Semiconductor Mode-Locked Lasers. IEEE Journal of Quantum Electronics, 2012, 48, 995-1003. | 1.0 | 1 |
| 129 | Integrated nonlinear optics: From classical to quantum phenomena. , 2012, , . | | 0 |
| 130 | Post-Growth Fabrication of Multiple Wavelength DFB Laser Arrays With Precise Wavelength Spacing. IEEE Photonics Technology Letters, 2012, 24, 1063-1065. | 1.3 | 19 |
| 131 | Bistable Micro-Ring Lasers With Compact Footprint and High Output Efficiency. IEEE Journal of Quantum Electronics, 2012, 48, 1023-1030. | 1.0 | 9 |
| 132 | Integrated microspectrometer for fluorescence based analysis in a microfluidic format. Lab on A Chip, 2012, 12, 2850. | 3.1 | 36 |
| 133 | Evanescent coupling assisted four-wave mixing in a silicon-on-insulator directional coupler. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 134 | Integrated Compact Optical Vortex Beam Emitters. Science, 2012, 338, 363-366. | 6.0 | 773 |
| 135 | Photo-induced trimming of chalcogenide-assisted silicon photonic circuits. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 136 | Semiconductor Mode-locked Lasers: Harnessing the Gain Bandwidth. , 2012, , . | | 0 |
| 137 | Ultrafast all-optical temporal differentiators based on CMOS-compatible integrated-waveguide Bragg gratings. Optics Express, 2011, 19, 19514. | 1.7 | 32 |
| 138 | Notch Nonlinear Frequency Shift in AlGaAs Bragg Grating Waveguides. , 2011, , . | | 1 |
| 139 | Passively Mode-Locked Lasers With Integrated Chirped Bragg Grating Reflectors. IEEE Journal of Quantum Electronics, 2011, 47, 492-499. | 1.0 | 19 |
| 140 | Time- and frequency-domain measurements of solitons in subwavelength silicon waveguides using cross-correlation. , 2011, , . | | 0 |
| 141 | Post-growth fabrication of a DFB laser array with high precision wavelength spacing. , 2011, , . | | 0 |
| 142 | On-chip micro-spectrometer for fluorescence bio-sensing. , 2011, , . | | 1 |
| 143 | All-optical differentiation of sub-picosecond pulses in SOI Bragg gratings. , 2011, , . | | 0 |
| 144 | Measurement of phase-correlation between optical modes of Semiconductor Lasers. , 2011, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Intra-cavity dispersion control in passively mode-locked semiconductor lasers. , 2011, , . | | 0 |
| 146 | Semiconductor mode-locked lasers with integrated dispersion control. , 2011, , . | | 0 |
| 147 | High peak power (550 mW) 40 GHz mode-locked DBR lasers with integrated optical amplifiers. , 2011, , . | | 0 |
| 148 | Ultrafast all-optical temporal differentiation in integrated phase-shifted Bragg gratings. , 2010, , . | | 0 |
| 149 | Integrated device with three mutually coupled DFB lasers for tunable, narrow linewidth, mm-wave signal generation. , 2010, , . | | 3 |
| 150 | Ultrafast All-Optical Temporal Differentiation in Integrated Silicon-on-Insulator Bragg Gratings. , 2010, , . | | 1 |
| 151 | Design and Fabrication of Integrated Chirped Bragg Gratings for On-Chip Dispersion Control. IEEE Journal of Quantum Electronics, 2010, 46, 774-782. | 1.0 | 39 |
| 152 | Chirp characterization of semiconductor mode-locked laser pulses with a high-sensitivity TPA waveguide detector sonogram. , 2010, , . | | 0 |
| 153 | Ultra-fast all-optical integrated differentiators in Bragg gratings. , 2010, , . | | 1 |
| 154 | Semiconductor snail lasers. Applied Physics Letters, 2010, 96, 121105. | 1.5 | 7 |
| 155 | Curved facet 90° turning mirrors for integrated optical technologies. Electronics Letters, 2010, 46, 360. | 0.5 | 4 |
| 156 | Integrated monolithic device with three mutually coupled DFB lasers for the generation of a tunable narrow linewidth mm-wave signal. Proceedings of SPIE, 2010, , . | 0.8 | 1 |
| 157 | Time and frequency domain measurements of solitons in subwavelength silicon waveguides using a cross-correlation technique. Optics Express, 2010, 18, 26625. | 1.7 | 44 |
| 158 | Semiconductor Snail Laser. , 2009, , . | | 0 |
| 159 | Integrated chirped Bragg gratings with control over complex reflectivity. , 2009, , . | | 0 |
| 160 | Semiconductor micro-ring and micro-disk lasers for all-optical switching. , 2009, , . | | 1 |
| 161 | Retrieval of Bragg Grating Transmission Spectra by Post-process Removal of Spurious Fabry-Pérot Oscillations. Optics Express, 2009, 17, 13493. | 1.7 | 5 |
| 162 | Unidirectional Bistability in AlGaInAs Microring and Microdisk Semiconductor Lasers. IEEE Photonics Technology Letters, 2009, 21, 88-90. | 1.3 | 40 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Integrated III-V Bragg Gratings for Arbitrary Control Over Chirp and Coupling Coefficient. IEEE Photonics Technology Letters, 2008, 20, 1863-1865. | 1.3 | 24 |
| 164 | Picosecond linear optical pulse shapers based on integrated waveguide Bragg gratings. Optics Letters, 2008, 33, 2425. | 1.7 | 18 |
| 165 | Optical characterization of a hydrogen silsesquioxane lithography process. Journal of Vacuum Science & Technology B, 2008, 26, 2290-2294. | 1.3 | 7 |
| 166 | Directional bi-stability in micro-ring and micro-disk lasers. , 2008, , . | | 2 |
| 167 | Spectral slicing of femtosecond pulses using semiconductor modulator arrays. Proceedings of SPIE, 2008, , . | 0.8 | 0 |
| 168 | Integrated Chirped Bragg Gratings on Deeply Etched Tapered III-V Waveguides. , 2007, , . | | 0 |
| 169 | Compact Semiconductor Tapers for Deep-to-Shallow Etch Transitions. IEEE Photonics Technology Letters, 2007, 19, 1544-1546. | 1.3 | 1 |
| 170 | Post-Growth Fabrication and Characterization of Integrated Chirped Bragg Gratings on GaAs-AlGaAs. IEEE Photonics Technology Letters, 2006, 18, 2566-2568. | 1.3 | 11 |
| 171 | Planar nanophotonic devices and integration technologies. Proceedings of SPIE, 1899, , . | 0.8 | 0 |