

# John Donegan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

250  
papers

11,402  
citations

40  
h-index

103  
g-index

330  
ext. papers

12,769  
ext. citations

4  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
250	Multi-channel wide range athermal operation of slotted surface grating lasers for athermal DWDM <b>2022</b> , 1, 345		
249	Breather solitons in AlN microresonators <b>2022</b> , 1, 42		2
248	Thermoreflectance Imaging of Semiconductor Lasers With a Numerical Thermal Model. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2022</b> , 28, 1-6	3.8	
247	Method to measure thermal impedance for all-active lasers using the athermalisation condition <b>2022</b> , 1, 556		1
246	Spatially resolved self-heating and thermal impedance of laser diodes using CCD-TR imaging. <i>OSA Continuum</i> , <b>2021</b> , 4, 1271	1.4	5
245	Wide range thermal and athermal operation of slotted surface grating lasers. <i>Optics Express</i> , <b>2021</b> , 29, 16893-16903	3.3	2
244	1.3 $\mu$ m wavelength tunable single-mode laser arrays based on slots. <i>Optics Express</i> , <b>2021</b> , 29, 15802-15812	3.3	3
243	Near-octave-spanning breathing soliton crystal in an AlN microresonator. <i>Optics Letters</i> , <b>2021</b> , 46, 3436-3439		4
242	Octave-spanning Kerr frequency comb generation with stimulated Raman scattering in an AlN microresonator. <i>Optics Letters</i> , <b>2021</b> , 46, 540-543	3	7
241	Directly accessing octave-spanning dissipative Kerr soliton frequency combs in an AlN microresonator. <i>Photonics Research</i> , <b>2021</b> , 9, 1351	6	13
240	Experimental Investigation of External Optical Injection and its Application in Gain-Switched Wavelength Tunable Optical Frequency Comb Generation. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 5884-5895	4	0
239	Combining Sub-nanometer Adhesion and Capping Layers for Thermally Stable Nanometer-Thick Au Films. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 10628-10633	5.6	0
238	Controlled Cavity-Free, Single-Photon Emission and Bipartite Entanglement of Near-Field-Excited Quantum Emitters. <i>Nano Letters</i> , <b>2020</b> , 20, 5830-5836	11.5	3
237	Comparison of Metal Adhesion Layers for Au Films in Thermoplasmonic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 13503-13509	9.5	4
236	Distribution of shallow NV centers in diamond revealed by photoluminescence spectroscopy and nanomachining. <i>Carbon</i> , <b>2020</b> , 167, 114-121	10.4	3
235	Constructive and destructive interference of Kerker-type scattering in an ultrathin silicon Huygens metasurface. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	6
234	Genetic algorithm optimization of high order surface etched grating tunable laser array. <i>Optics Express</i> , <b>2020</b> , 28, 8169-8184	3.3	7

233	Photolithography allows high-Q AlN microresonators for near octave-spanning frequency comb and harmonic generation. <i>Optics Express</i> , <b>2020</b> , 28, 19270-19280	3.3	8
232	Optical, thermal, and bit-writing analysis of a directly coupled plasmonic waveguide for heat-assisted magnetic recording. <i>OSA Continuum</i> , <b>2020</b> , 3, 2010	1.4	0
231	High Performance InP-Based Polarization Beam Splitter With Reverse Bias and Injection Current. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 2336-2345	4	1
230	Less is More: Improved Thermal Stability and Plasmonic Response in Au Films via the Use of SubNanometer Ti Adhesion Layers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 7607-7614	9.5	10
229	Shaping and Storing Magnetic Data Using Pulsed Plasmonic Nanoheating and Spin-Transfer Torque. <i>ACS Photonics</i> , <b>2019</b> , 6, 1524-1532	6.3	4
228	Synthesis of centimeter-size free-standing perovskite nanosheets from single-crystal lead bromide for optoelectronic devices. <i>Scientific Reports</i> , <b>2019</b> , 9, 11738	4.9	7
227	Material Characterization and Thermal Performance of Au Alloys in a Thin-Film Plasmonic Waveguide <b>2019</b> ,		1
226	Tuning behaviour of slotted vernier widely tunable lasers. <i>Optics Express</i> , <b>2019</b> , 27, 17122-17137	3.3	8
225	850 nm GaAs/AlGaAs DFB lasers with shallow surface gratings and oxide aperture. <i>Optics Express</i> , <b>2019</b> , 27, 31225-31234	3.3	10
224	High-performance InP-based Mach-Zehnder polarization beam splitter with a 19 dB extinction ratio across C-band. <i>Optics Letters</i> , <b>2019</b> , 44, 4299-4302	3	4
223	Spectroscopic Size and Thickness Metrics for Liquid-Exfoliated h-BN. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1998-2005	9.6	43
222	Solid state dewetting of thin plasmonic films under focused cw-laser irradiation. <i>Acta Materialia</i> , <b>2018</b> , 145, 210-219	8.4	12
221	Focusing element formed by scattering structures in a planar dielectric waveguide. <i>Optics Letters</i> , <b>2018</b> , 43, 3477-3480	3	
220	Optical and thermal analysis of the light-heat conversion process employing an antenna-based hybrid plasmonic waveguide for HAMR. <i>Optics Express</i> , <b>2018</b> , 26, 1752-1765	3.3	12
219	Optical spectral sweep comb liquid flow rate sensor. <i>Optics Letters</i> , <b>2018</b> , 43, 751-754	3	21
218	Measurements of milli-Newton surface tension forces with tilted fiber Bragg gratings. <i>Optics Letters</i> , <b>2018</b> , 43, 255-258	3	18
217	Effective heat dissipation in an adiabatic near-field transducer for HAMR. <i>Optics Express</i> , <b>2018</b> , 26, 18842-18854	3.5	15
216	Novel Polarization Beam Splitter with High Fabrication Tolerance <b>2018</b> ,		2

215	CMOS-compatible multi-band plasmonic TE-pass polarizer. <i>Optics Express</i> , <b>2018</b> , 26, 30292-30304	3.3	27
214	Solvent-Engineered Stress in Nanoscale Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44183-44189	3.5	19
213	Design Optimization for Semiconductor Lasers With High-Order Surface Gratings Having Multiple Periods. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 5121-5129	4	3
212	Athermal Tuning for a Two-Section, All-Active DBR Laser With High-Order Grating. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-11	1.8	2
211	Non-resonant light scattering in dispersions of 2D nanosheets. <i>Nature Communications</i> , <b>2018</b> , 9, 4553	17.4	37
210	Control of the plasmonic near-field in metallic nanohelices. <i>Nanotechnology</i> , <b>2018</b> , 29, 325204	3.4	7
209	Hot-Volumes as Uniform and Reproducible SERS-Detection Enhancers in Weakly-Coupled Metallic Nanohelices. <i>Scientific Reports</i> , <b>2017</b> , 7, 45548	4.9	14
208	Characterisation of multi-mode propagation in silicon nitride slab waveguides. <i>Journal of Optics (United Kingdom)</i> , <b>2017</b> , 19, 015604	1.7	5
207	Light scattering and random lasing in aqueous suspensions of hexagonal boron nitride nanoflakes. <i>Nanotechnology</i> , <b>2017</b> , 28, 47LT02	3.4	5
206	Novel polarization beam splitter based on p-i-n structure for an indium phosphide platform <b>2017</b> ,		3
205	Combining Near-Zero Behavior and Stopped Light Energy Bands for Ultra-Low Reflection and Reduced Dispersion of Slow Light. <i>Scientific Reports</i> , <b>2017</b> , 7, 8702	4.9	6
204	Analysis of High-Order Slotted Surface Gratings by the 2-D Finite-Difference Time-Domain Method. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 96-102	4	12
203	Design of 1.3- $\mu\text{m}$ High-Performance Directly Modulated Lasers Based on High-Order Slotted Surface Gratings. <i>IEEE Journal of Quantum Electronics</i> , <b>2017</b> , 53, 1-9	2	3
202	Athermal operation of multi-section slotted tunable lasers. <i>Optics Express</i> , <b>2017</b> , 25, 14414-14426	3.3	8
201	Highly fabrication tolerant InP based polarization beam splitter based on p-i-n structure. <i>Optics Express</i> , <b>2017</b> , 25, 10070-10077	3.3	24
200	Efficient waveguide-to-plasmon coupling and adiabatic nanofocusing for HAMR applications <b>2017</b> ,		1
199	Vertical Single-Crystalline Organic Nanowires on Graphene: Solution-Phase Epitaxy and Optical Microcavities. <i>Nano Letters</i> , <b>2016</b> , 16, 4754-62	11.5	20
198	There are many ways to spin a photon: Half-quantization of a total optical angular momentum. <i>Science Advances</i> , <b>2016</b> , 2, e1501748	14.3	31

197	Associative Enhancement of Time Correlated Response to Heterogeneous Stimuli in a Neuromorphic Nanowire Device. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500458	6.4	29
196	Production of Ni(OH) <sub>2</sub> nanosheets by liquid phase exfoliation: from optical properties to electrochemical applications. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11046-11059	13	60
195	Spectroscopic metrics allow in situ measurement of mean size and thickness of liquid-exfoliated few-layer graphene nanosheets. <i>Nanoscale</i> , <b>2016</b> , 8, 4311-23	7.7	142
194	Mapping of surface plasmon dispersion in thin Ag/Au layered composite films. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2016</b> , 33, 566	1.7	5
193	Raman characterization of platinum diselenide thin films. <i>2D Materials</i> , <b>2016</b> , 3, 021004	5.9	138
192	Nanopatterning and Electrical Tuning of MoS <sub>2</sub> Layers with a Subnanometer Helium Ion Beam. <i>Nano Letters</i> , <b>2015</b> , 15, 5307-13	11.5	138
191	Effective Wavelength Scaling of and Damping in Plasmonic Helical Antennae. <i>ACS Photonics</i> , <b>2015</b> , 2, 675-679	6.3	18
190	Preparation of Gallium Sulfide Nanosheets by Liquid Exfoliation and Their Application As Hydrogen Evolution Catalysts. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 3483-3493	9.6	144
189	Observation of a new interference phenomenon in internal conical diffraction. <i>Optics Express</i> , <b>2015</b> , 23, 1125-32	3.3	1
188	Improved performance of tunable single-mode laser array based on high-order slotted surface grating. <i>Optics Express</i> , <b>2015</b> , 23, 12072-8	3.3	20
187	Reducing thermal crosstalk in ten-channel tunable slotted-laser arrays. <i>Optics Express</i> , <b>2015</b> , 23, 23380-93.3	3.3	12
186	Traveling Wave Analysis for a High-Order Grating, Partially Slotted Laser. <i>IEEE Journal of Quantum Electronics</i> , <b>2015</b> , 51, 1-5	2	11
185	Photonic nanojets in Fresnel zone scattering from non-spherical dielectric particles. <i>Optics Express</i> , <b>2015</b> , 23, 26326-35	3.3	8
184	Inkjet deposition of liquid-exfoliated graphene and MoS <sub>2</sub> nanosheets for printed device applications. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 925-932	7.1	217
183	Edge and confinement effects allow in situ measurement of size and thickness of liquid-exfoliated nanosheets. <i>Nature Communications</i> , <b>2014</b> , 5, 4576	17.4	350
182	Systematic analysis of whispering-gallery modes in planar silicon nitride microdisks. <i>Optics Communications</i> , <b>2014</b> , 322, 188-197	2	2
181	Multi-Band-Stop Filter for Single-Photon Transport Based on a One-Dimensional Waveguide Side Coupled with Optical Cavities. <i>Plasmonics</i> , <b>2014</b> , 9, 1085-1089	2.4	5
180	Linewidth and Noise Characterization for a Partially-Slotted, Single Mode Laser. <i>IEEE Journal of Quantum Electronics</i> , <b>2014</b> , 50, 1-5	2	6

179	Helium ion microscope generated nitrogen-vacancy centres in type Ib diamond. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 031109	3.4	19
178	Accurate relative position indicator for tracking-based position estimation system. <i>IEICE Electronics Express</i> , <b>2014</b> , 11, 20130939-20130939	0.5	
177	Linewidth Characterization of Integrable Slotted Single-Mode Lasers. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 2225-2228	2.2	8
176	Conical diffraction intensity profiles generated using a top-hat input beam. <i>Optics Express</i> , <b>2014</b> , 22, 11299-3006	3.3	15
175	Widely tunable six-section semiconductor laser based on etched slots. <i>Optics Express</i> , <b>2014</b> , 22, 18949-57.3	3.3	15
174	Controllable growth of metallic nano-helices at room temperature conditions. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 233114	3.4	20
173	Conical diffraction and the dispersion surface of hyperbolic metamaterials. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	18
172	Linear and nonlinear optical effects induced by energy transfer from semiconductor nanoparticles to photosynthetic biological systems. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2014</b> , 20, 17-32	16.4	19
171	Planar elliptical solid immersion lens based on a Cartesian oval. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 091103.4	3.4	6
170	Preparation and Investigation of Quantum-Dot-Loaded Hollow Polymer Microspheres. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 24527-24536	3.8	6
169	Helium ion microscopy of graphene: beam damage, image quality and edge contrast. <i>Nanotechnology</i> , <b>2013</b> , 24, 335702	3.4	65
168	Photoconductivity of solution-processed MoS <sub>2</sub> films. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6899	7.1	88
167	Slotted Single Mode Lasers Integrated With a Semiconductor Optical Amplifier. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 564-567	2.2	9
166	Large enhancement of nonlinear optical response in a hybrid nanobiomaterial consisting of bacteriorhodopsin and cadmium telluride quantum dots. <i>ACS Nano</i> , <b>2013</b> , 7, 2154-60	16.7	27
165	Measuring the lateral size of liquid-exfoliated nanosheets with dynamic light scattering. <i>Nanotechnology</i> , <b>2013</b> , 24, 265703	3.4	177
164	Tunable Single Mode Laser Array Based on Slots <b>2013</b> ,		1
163	Nine-channel wavelength tunable single mode laser array based on slots. <i>Optics Express</i> , <b>2013</b> , 21, 102153.21	3.3	14
162	White light conical diffraction. <i>Optics Express</i> , <b>2013</b> , 21, 20394-403	3.3	12

161	Extension of the spectral range of bacteriorhodopsin functional activity by energy transfer from quantum dots <b>2012</b> ,		1
160	A novel discrete mode narrow linewidth laser diode for spectroscopic based gas sensing in the 1.5 $\mu$ m region. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 109, 433-440	1.9	2
159	Dual Polarization Interferometric In-Band OSNR Measurement. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 873-875	2.2	2
158	Integrable Slotted Single-Mode Lasers. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 634-636	2.2	26
157	Semiconductor nanowires self-assembled from colloidal CdTe nanocrystal building blocks: optical properties and application perspectives. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 20831		9
156	Two-section singlemode lasers based on slots suitable for photonic integration. <i>Electronics Letters</i> , <b>2012</b> , 48, 945	1.1	9
155	Low divergence photonic nanojets from Si <sub>3</sub> N <sub>4</sub> microdisks. <i>Optics Express</i> , <b>2012</b> , 20, 128-40	3.3	60
154	Optical trapping using cascade conical refraction of light. <i>Optics Express</i> , <b>2012</b> , 20, 21119-25	3.3	20
153	Conical diffraction of a Gaussian beam with a two crystal cascade. <i>Optics Express</i> , <b>2012</b> , 20, 13201-7	3.3	23
152	Single facet slotted Fabry-Perot laser and its application in photonic integrated circuits <b>2012</b> ,		1
151	Two-dimensional nanosheets produced by liquid exfoliation of layered materials. <i>Science</i> , <b>2011</b> , 331, 568-71	33.3	5221
150	The creation and annihilation of optical vortices using cascade conical diffraction. <i>Optics Express</i> , <b>2011</b> , 19, 2580-8	3.3	40
149	Generation of a radially polarized light beam using internal conical diffraction. <i>Optics Express</i> , <b>2011</b> , 19, 21793-802	3.3	34
148	Single mode lasers based on slots suitable for photonic integration. <i>Optics Express</i> , <b>2011</b> , 19, B140-5	3.3	29
147	Fabry-Perot Laser Characterization Based on the Amplified Spontaneous Emission Spectrum and the Fourier Series Expansion Method. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2011</b> , 17, 1356-1363	3.8	14
146	Two-photon polymerisation of novel shapes using a conically diffracted femtosecond laser beam. <i>Optics Communications</i> , <b>2011</b> , 284, 3571-3574	2	11
145	Optimization of parameters of photonic nanojet generated by dielectric microsphere for laser nanojet SNOM <b>2011</b> ,		2
144	Laser diode linewidth measurement using high-Q spherical microresonators. <i>Electronics Letters</i> , <b>2011</b> , 47, 129	1.1	2

143	Mode manipulation in system of coupled microcavities with whispering gallery modes. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2010</b> , 108, 385-390	0.7	1
142	Solution-grown CdTe nanowires: Self-assembly, optical properties and strong temperature dependent electronic coupling <b>2010</b> ,		1
141	Interferometer based in-band OSNR monitoring of single and dual polarisation QPSK signals <b>2010</b> ,		4
140	Description of polarisation dependence of two-photon absorption in silicon avalanche photodiodes. <i>Electronics Letters</i> , <b>2010</b> , 46, 854	1.1	5
139	Photosensitizer methylene blue-semiconductor nanocrystals hybrid system for photodynamic therapy. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 2656-62	1.3	13
138	Two-Photon-Absorption-Based OSNR Monitor for NRZ-PSK Transmission Systems. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 275-277	2.2	7
137	Leaky Modes Analysis in Very Deeply Etched Semiconductor Ridge Waveguides. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 407-409	2.2	2
136	Design of Slotted Single-Mode Lasers Suitable for Photonic Integration. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 787-789	2.2	52
135	In-band OSNR monitoring using a pair of Michelson fiber interferometers. <i>Optics Express</i> , <b>2010</b> , 18, 3618-3625	2.3	28
134	Enhancement of quality factor for TE whispering-gallery modes in microcylinder resonators. <i>Optics Express</i> , <b>2010</b> , 18, 13057-62	3.3	26
133	Generation of continuously tunable fractional optical orbital angular momentum using internal conical diffraction. <i>Optics Express</i> , <b>2010</b> , 18, 16480-5	3.3	42
132	Conical diffraction of linearly polarised light controls the angular position of a microscopic object. <i>Optics Express</i> , <b>2010</b> , 18, 27319-26	3.3	26
131	Compact 2-D FDTD Method Combined With Padé Approximation Transform for Leaky Mode Analysis. <i>Journal of Lightwave Technology</i> , <b>2010</b> , 28, 1638-1645	4	7
130	Controlling the properties of Photonic Jets <b>2010</b> ,		1
129	High resolution imaging of actin filaments in living cells under physiologically relevant conditions using apertureless near-field microscopy. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 7489-93 <sup>1.3</sup>		3
128	Resonance energy transfer improves the biological function of bacteriorhodopsin within a hybrid material built from purple membranes and semiconductor quantum dots. <i>Nano Letters</i> , <b>2010</b> , 10, 2640-8 <sup>11.5</sup>		67
127	CdTe Quantum Dot/Dye Hybrid System as Photosensitizer for Photodynamic Therapy. <i>Nanoscale Research Letters</i> , <b>2010</b> , 5, 753-60	5	82
126	Fluorescent Quantum Dots as Artificial Antennas for Enhanced Light Harvesting and Energy Transfer to Photosynthetic Reaction Centers. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 7375-7379	3.6	6



125	Fluorescent quantum dots as artificial antennas for enhanced light harvesting and energy transfer to photosynthetic reaction centers. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 7217-21	16.4	136
124	Emerging applications of fluorescent nanocrystals quantum dots for micrometastases detection. <i>Proteomics</i> , <b>2010</b> , 10, 700-16	4.8	28
123	Optical Studies of the Methylene Blue-Semiconductor Nanocrystals Hybrid System. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2009</b> , 7, 349-353	0.7	2
122	Analysis of leaky modes in deep-ridge waveguides using the compact 2D FDTD method. <i>Electronics Letters</i> , <b>2009</b> , 45, 700	1.1	5
121	Energy transfer processes in semiconductor quantum dots: bacteriorhodopsin hybrid system <b>2009</b> ,		4
120	Acceptance Angle Influence on the Optimum Incident Spot Size for High-Finesse Microcavity Two-Photon Absorption Photodetectors. <i>IEEE Journal of Quantum Electronics</i> , <b>2009</b> , 45, 1584-1589	2	2
119	Discretely Tunable Semiconductor Lasers Suitable for Photonic Integration. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2009</b> , 15, 482-487	3.8	44
118	Anti-Stokes cooling in semiconductor nanocrystal quantum dots: A feasibility study. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2009</b> , 206, 2497-2509	1.6	19
117	Conical diffraction and Bessel beam formation with a high optical quality biaxial crystal. <i>Optics Express</i> , <b>2009</b> , 17, 12891-9	3.3	53
116	Non-resonant wavelength modulation saturation spectroscopy in acetylene-filled hollow-core photonic bandgap fibres applied to modulation-free laser diode stabilisation. <i>Optics Express</i> , <b>2009</b> , 17, 23309-15	3.3	3
115	. <i>IEEE Journal of Quantum Electronics</i> , <b>2009</b> , 45, 90-99	2	2
114	. <i>IEEE Journal of Quantum Electronics</i> , <b>2009</b> , 45, 223-232	2	7
113	Photonic Structures of Luminescent Semiconductor Nanocrystals and Spherical Microcavities <b>2009</b> , 653-703		1
112	Design of Low $V_{\pi}$ High-Speed GaAs Travelling-Wave Electrooptic Phase Modulators Using an n-i-p-n Structure. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 1805-1807	2.2	3
111	Waveguide Loss Measurement Using the Reflection Spectrum. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 1423-1425	2.2	2
110	Suppression of Residual Single-Photon Absorption Relative to Two-Photon Absorption in High Finesse Planar Microcavities. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 1426-1428	2.2	3
109	Anti-Stokes photoluminescence in semiconductor nanocrystal quantum dots <b>2008</b> , 257-275		8
108	Polarization dependence of a GaAs-based two-photon absorption microcavity photodetector. <i>Optics Express</i> , <b>2008</b> , 16, 17682-8	3.3	8

107	A Novel Two-Section Tunable Discrete Mode Fabry-Pérot Laser Exhibiting Nanosecond Wavelength Switching. <i>IEEE Journal of Quantum Electronics</i> , <b>2008</b> , 44, 331-337	2	30
106	Two-photon absorption generated by optically amplified signals. <i>Electronics Letters</i> , <b>2008</b> , 44, 1087	1.1	4
105	A facetless laser suitable for monolithic integration <b>2008</b> ,		2
104	CdTe nanoparticles display tropism to core histones and histone-rich cell organelles. <i>Small</i> , <b>2008</b> , 4, 2006-15	1.5	69
103	CdTe Nanowire Networks: Fast Self-Assembly in Solution, Internal Structure, and Optical Properties. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 18927-18931	3.8	43
102	Chromatic Dispersion Monitoring of 80-Gb/s OTDM Data Signal via Two-Photon Absorption in a Semiconductor Microcavity. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 21-23	2.2	13
101	Transition From Perturbed to Coupled-Cavity Behavior With Asymmetric Spectral Emission in Ridge Lasers Emitting at 1.55 $\mu\text{m}$ . <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 58-60	2.2	5
100	Influence of Cavity Lifetime on High-Finesse Microcavity Two-Photon Absorption Photodetectors. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 432-434	2.2	5
99	The Fabrication, Fluorescence Dynamics, and Whispering Gallery Modes of Aluminosilicate Microtube Resonators. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 1106-1114	15.6	13
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