

John Donegan

List of Publications by Citations

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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	Two-dimensional nanosheets produced by liquid exfoliation of layered materials. <i>Science</i> , 2011 , 331, 568-71	33.3	5221
249	Aqueous Synthesis of Thiol-Capped CdTe Nanocrystals: State-of-the-Art. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 14628-14637	3.8	645
248	Edge and confinement effects allow in situ measurement of size and thickness of liquid-exfoliated nanosheets. <i>Nature Communications</i> , 2014 , 5, 4576	17.4	350
247	Inkjet deposition of liquid-exfoliated graphene and MoS ₂ nanosheets for printed device applications. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 925-932	7.1	217
246	Nonfunctionalized nanocrystals can exploit a cell's active transport machinery delivering them to specific nuclear and cytoplasmic compartments. <i>Nano Letters</i> , 2007 , 7, 3452-61	11.5	204
245	Effect of ZnS shell thickness on the phonon spectra in CdSe quantum dots. <i>Physical Review B</i> , 2003 , 68,	3.3	203
244	Measuring the lateral size of liquid-exfoliated nanosheets with dynamic light scattering. <i>Nanotechnology</i> , 2013 , 24, 265703	3.4	177
243	Preparation of Gallium Sulfide Nanosheets by Liquid Exfoliation and Their Application As Hydrogen Evolution Catalysts. <i>Chemistry of Materials</i> , 2015 , 27, 3483-3493	9.6	144
242	Spectroscopic metrics allow in situ measurement of mean size and thickness of liquid-exfoliated few-layer graphene nanosheets. <i>Nanoscale</i> , 2016 , 8, 4311-23	7.7	142
241	Optimisation of the synthesis and modification of CdTe quantum dots for enhanced live cell imaging. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2896		141
240	Nanopatterning and Electrical Tuning of MoS ₂ Layers with a Subnanometer Helium Ion Beam. <i>Nano Letters</i> , 2015 , 15, 5307-13	11.5	138
239	Raman characterization of platinum diselenide thin films. <i>2D Materials</i> , 2016 , 3, 021004	5.9	138
238	Fluorescent quantum dots as artificial antennas for enhanced light harvesting and energy transfer to photosynthetic reaction centers. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7217-21	16.4	136
237	"Jelly dots": synthesis and cytotoxicity studies of CdTe quantum dot-gelatin nanocomposites. <i>Small</i> , 2007 , 3, 1152-6	11	96
236	Narrow linewidth, tunable Tm/sup 3+/-doped fluoride fiber laser for optical-based hydrocarbon gas sensing. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1997 , 3, 1103-1111	3.8	90
235	Photoconductivity of solution-processed MoS ₂ films. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6899	7.1	88
234	CdTe Quantum Dot/Dye Hybrid System as Photosensitizer for Photodynamic Therapy. <i>Nanoscale Research Letters</i> , 2010 , 5, 753-60	5	82

233	CdTe nanoparticles display tropism to core histones and histone-rich cell organelles. <i>Small</i> , 2008 , 4, 2006-15	6.15	69
232	Fine structure of coupled optical modes in photonic molecules. <i>Physical Review A</i> , 2004 , 70,	2.6	68
231	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> , 2010 , 10, 2640-8	11.5	67
230	Helium ion microscopy of graphene: beam damage, image quality and edge contrast. <i>Nanotechnology</i> , 2013 , 24, 335702	3.4	65
229	Production of Ni(OH) ₂ nanosheets by liquid phase exfoliation: from optical properties to electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11046-11059	13	60
228	Low divergence photonic nanojets from Si ₃ N ₄ microdisks. <i>Optics Express</i> , 2012 , 20, 128-40	3.3	60
227	The optical spectroscopy of chromium in ed-2 silicate glass. <i>Journal of Luminescence</i> , 1986 , 34, 307-321	3.8	59
226	The optical spectroscopy of LiGa ₅ O ₈ : Ni ²⁺ . <i>Journal of Luminescence</i> , 1986 , 35, 57-63	3.8	57
225	In-situ observation of nanowire growth from luminescent CdTe nanocrystals in a phosphate buffer solution. <i>ChemPhysChem</i> , 2004 , 5, 1600-2	3.2	56
224	Conical diffraction and Bessel beam formation with a high optical quality biaxial crystal. <i>Optics Express</i> , 2009 , 17, 12891-9	3.3	53
223	Analysis of Slot Characteristics in Slotted Single-Mode Semiconductor Lasers Using the 2-D Scattering Matrix Method. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2605-2607	2.2	53
222	Design of Slotted Single-Mode Lasers Suitable for Photonic Integration. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 787-789	2.2	52
221	Luminescence and fluorescence line narrowing studies of Y ₃ Al ₅ O ₁₂ :Mn ⁴⁺ . <i>Journal of Luminescence</i> , 1986 , 36, 93-100	3.8	50
220	Whispering gallery mode emission from a composite system of CdTe nanocrystals and a spherical microcavity. <i>Semiconductor Science and Technology</i> , 2003 , 18, 914-918	1.8	49
219	Vacancies, interstitials, and close Frenkel pairs on the zinc sublattice of ZnSe. <i>Physical Review B</i> , 1996 , 54, 7779-7788	3.3	49
218	Electron paramagnetic resonance and photoluminescence study of Er-impurity complexes in Si. <i>Physical Review B</i> , 1999 , 59, 2773-2782	3.3	45
217	Discretely Tunable Semiconductor Lasers Suitable for Photonic Integration. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009 , 15, 482-487	3.8	44
216	Spectroscopic Size and Thickness Metrics for Liquid-Exfoliated h-BN. <i>Chemistry of Materials</i> , 2018 , 30, 1998-2005	9.6	43

215	CdTe Nanowire Networks: Fast Self-Assembly in Solution, Internal Structure, and Optical Properties. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18927-18931	3.8	43
214	Generation of continuously tunable fractional optical orbital angular momentum using internal conical diffraction. <i>Optics Express</i> , 2010 , 18, 16480-5	3.3	42
213	Determination of the PIn antisite structure in InP by optically detected electron-nuclear double resonance. <i>Physical Review B</i> , 1987 , 36, 1324-1327	3.3	41
212	The creation and annihilation of optical vortices using cascade conical diffraction. <i>Optics Express</i> , 2011 , 19, 2580-8	3.3	40
211	Nanojets and directional emission in symmetric photonic molecules. <i>Optics Express</i> , 2007 , 15, 17343-50	3.3	40
210	Non-resonant light scattering in dispersions of 2D nanosheets. <i>Nature Communications</i> , 2018 , 9, 4553	17.4	37
209	Optical and magnetic-circular-dichroism-optically-detected-magnetic-resonance study of the Co ²⁺ ion in LiGa ₅ O ₈ . <i>Physical Review B</i> , 1992 , 45, 563-573	3.3	35
208	Generation of a radially polarized light beam using internal conical diffraction. <i>Optics Express</i> , 2011 , 19, 21793-802	3.3	34
207	Highly efficient Förster resonance energy transfer between CdTe nanocrystals and Rhodamine B in mixed solid films. <i>Chemical Physics Letters</i> , 2004 , 388, 100-104	2.5	34
206	Two-photon-induced photoconductivity enhancement in semiconductor microcavities: a theoretical investigation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002 , 19, 2396	1.7	33
205	There are many ways to spin a photon: Half-quantization of a total optical angular momentum. <i>Science Advances</i> , 2016 , 2, e1501748	14.3	31
204	A Novel Two-Section Tunable Discrete Mode Fabry-Pérot Laser Exhibiting Nanosecond Wavelength Switching. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 331-337	2	30
203	Raman scattering and anti-Stokes emission from a single spherical microcavity with a CdTe quantum dot monolayer. <i>Applied Physics Letters</i> , 2003 , 83, 2539-2541	3.4	30
202	Two-photon absorption photocurrent enhancement in bulk AlGaAs semiconductor microcavities. <i>Applied Physics Letters</i> , 2002 , 80, 1328-1330	3.4	30
201	Associative Enhancement of Time Correlated Response to Heterogeneous Stimuli in a Neuromorphic Nanowire Device. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500458	6.4	29
200	Single mode lasers based on slots suitable for photonic integration. <i>Optics Express</i> , 2011 , 19, B140-5	3.3	29
199	In-band OSNR monitoring using a pair of Michelson fiber interferometers. <i>Optics Express</i> , 2010 , 18, 3618-25	3.5	28
198	Emerging applications of fluorescent nanocrystals quantum dots for micrometastases detection. <i>Proteomics</i> , 2010 , 10, 700-16	4.8	28

197	Large enhancement of nonlinear optical response in a hybrid nanobiomaterial consisting of bacteriorhodopsin and cadmium telluride quantum dots. <i>ACS Nano</i> , 2013 , 7, 2154-60	16.7	27
196	Photoluminescence of localized excitons in pulsed-laser-deposited GaN. <i>Applied Physics Letters</i> , 1998 , 73, 3390-3392	3.4	27
195	CMOS-compatible multi-band plasmonic TE-pass polarizer. <i>Optics Express</i> , 2018 , 26, 30292-30304	3.3	27
194	Integrable Slotted Single-Mode Lasers. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 634-636	2.2	26
193	Enhancement of quality factor for TE whispering-gallery modes in microcylinder resonators. <i>Optics Express</i> , 2010 , 18, 13057-62	3.3	26
192	Conical diffraction of linearly polarised light controls the angular position of a microscopic object. <i>Optics Express</i> , 2010 , 18, 27319-26	3.3	26
191	Synthesis, characterisation, and biological studies of CdTe quantum dot-naproxen conjugates. <i>ChemMedChem</i> , 2007 , 2, 183-6	3.7	25
190	Electron paramagnetic resonance of erbium doped silicon. <i>Applied Physics Letters</i> , 1996 , 69, 3854-3856	3.4	25
189	Highly fabrication tolerant InP based polarization beam splitter based on p-i-n structure. <i>Optics Express</i> , 2017 , 25, 10070-10077	3.3	24
188	Conical diffraction of a Gaussian beam with a two crystal cascade. <i>Optics Express</i> , 2012 , 20, 13201-7	3.3	23
187	GaN resonant cavity light-emitting diodes for plastic optical fiber applications. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2006-2008	2.2	23
186	Control of efficiency of photon energy up-conversion in CdSe/ZnS quantum dots. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2003 , 94, 859-863	0.7	23
185	Up-conversion luminescence via a below-gap state in CdSe/ZnS quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 17, 99-100	3	22
184	Optical spectral sweep comb liquid flow rate sensor. <i>Optics Letters</i> , 2018 , 43, 751-754	3	21
183	Radiation-pressure-induced mode splitting in a spherical microcavity with an elastic shell. <i>Optics Express</i> , 2007 , 15, 3597-606	3.3	21
182	Improved performance of tunable single-mode laser array based on high-order slotted surface grating. <i>Optics Express</i> , 2015 , 23, 12072-8	3.3	20
181	Vertical Single-Crystalline Organic Nanowires on Graphene: Solution-Phase Epitaxy and Optical Microcavities. <i>Nano Letters</i> , 2016 , 16, 4754-62	11.5	20
180	Controllable growth of metallic nano-helices at room temperature conditions. <i>Applied Physics Letters</i> , 2014 , 105, 233114	3.4	20

179	Optical trapping using cascade conical refraction of light. <i>Optics Express</i> , 2012 , 20, 21119-25	3.3	20
178	Optical measurement of the ambipolar diffusion length in a ZnCdSe/ZnSe single quantum well. <i>Journal of Applied Physics</i> , 1997 , 81, 536-538	2.5	20
177	6 $\bar{8}$ effective mass Hamiltonian for heterostructures grown on (11 $\bar{1}$)N-oriented substrates. <i>Physical Review B</i> , 2003 , 68,	3.3	20
176	Helium ion microscope generated nitrogen-vacancy centres in type Ib diamond. <i>Applied Physics Letters</i> , 2014 , 104, 031109	3.4	19
175	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> , 2014 , 20, 17-32	16.4	19
174	Anti-Stokes cooling in semiconductor nanocrystal quantum dots: A feasibility study. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 2497-2509	1.6	19
173	Direct measurement of exchange as a function of separation for discrete donor-acceptor pairs in ZnSe. <i>Physical Review B</i> , 1988 , 37, 4329-4332	3.3	19
172	Effective Wavelength Scaling of and Damping in Plasmonic Helical Antennae. <i>ACS Photonics</i> , 2015 , 2, 675-679	6.3	18
171	Measurements of milli-Newton surface tension forces with tilted fiber Bragg gratings. <i>Optics Letters</i> , 2018 , 43, 255-258	3	18
170	Conical diffraction and the dispersion surface of hyperbolic metamaterials. <i>Physical Review A</i> , 2014 , 90,	2.6	18
169	Linewidth enhancement factor of lattice-matched InGaNaNs/GaAs quantum wells. <i>Applied Physics Letters</i> , 2003 , 82, 505-507	3.4	17
168	Carrier-density dependence of the photoluminescence lifetimes in ZnCdSe/ZnSSe quantum wells at room temperature. <i>Applied Physics Letters</i> , 1999 , 74, 3359-3361	3.4	17
167	High-sensitivity two-photon absorption microcavity autocorrelator. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 1543-1545	2.2	16
166	Optical linewidths in chromium-doped glass and ceramic. <i>Journal of Luminescence</i> , 1987 , 36, 231-235	3.8	16
165	Widely tunable six-section semiconductor laser based on etched slots. <i>Optics Express</i> , 2014 , 22, 18949-57.3	3.3	15
164	Simultaneous multispecies gas sensing by use of a sampled grating distributed Bragg reflector and modulated grating Y laser diode. <i>Applied Optics</i> , 2005 , 44, 5824-31	1.7	15
163	Hot-Volumes as Uniform and Reproducible SERS-Detection Enhancers in Weakly-Coupled Metallic Nanohelices. <i>Scientific Reports</i> , 2017 , 7, 45548	4.9	14
162	Nine-channel wavelength tunable single mode laser array based on slots. <i>Optics Express</i> , 2013 , 21, 10215-21	3.1	14

161	Fabry-Pérot 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> , 2011 , 17, 1356-1363	3.8	14
160	Confined optical modes in small photonic molecules with semiconductor nanocrystals. <i>Journal of Applied Physics</i> , 2004 , 96, 6761-6765	2.5	14
159	Calculation of gain-current characteristics in ZnCdSe-ZnSe quantum well structures including many body effects. <i>Applied Physics Letters</i> , 1995 , 67, 3780-3782	3.4	14
158	Quantum well width dependence of exciton-phonon interaction in Cd _{0.33} Zn _{0.67} Te/ZnTe single quantum wells. <i>Solid State Communications</i> , 1992 , 81, 801-805	1.6	14
157	Photosensitizer methylene blue-semiconductor nanocrystals hybrid system for photodynamic therapy. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2656-62	1.3	13
156	Chromatic Dispersion Monitoring of 80-Gb/s OTDM Data Signal via Two-Photon Absorption in a Semiconductor Microcavity. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 21-23	2.2	13
155	The Fabrication, Fluorescence Dynamics, and Whispering Gallery Modes of Aluminosilicate Microtube Resonators. <i>Advanced Functional Materials</i> , 2007 , 17, 1106-1114	15.6	13
154	Extremely high sensitivity gas detection at 2.3 μ m using a grazing incidence Tm ³⁺ fibre laser cavity. <i>Sensors and Actuators A: Physical</i> , 2001 , 87, 107-112	3.9	13
153	Optical detection of electron-nuclear double resonance for a donor in oxygen-doped GaP. <i>Physical Review B</i> , 1989 , 39, 3207-3215	3.3	13
152	New Materials for Tunable Lasers in the Near Infrared. <i>Journal of Modern Optics</i> , 1990 , 37, 769-777	1.1	13
151	Directly accessing octave-spanning dissipative Kerr soliton frequency combs in an AlN microresonator. <i>Photonics Research</i> , 2021 , 9, 1351	6	13
150	Reducing thermal crosstalk in ten-channel tunable slotted-laser arrays. <i>Optics Express</i> , 2015 , 23, 23380-23393	3.3	12
149	Solid state dewetting of thin plasmonic films under focused cw-laser irradiation. <i>Acta Materialia</i> , 2018 , 145, 210-219	8.4	12
148	Optical and thermal analysis of the light-heat conversion process employing an antenna-based hybrid plasmonic waveguide for HAMR. <i>Optics Express</i> , 2018 , 26, 1752-1765	3.3	12
147	Analysis of High-Order Slotted Surface Gratings by the 2-D Finite-Difference Time-Domain Method. <i>Journal of Lightwave Technology</i> , 2017 , 35, 96-102	4	12
146	White light conical diffraction. <i>Optics Express</i> , 2013 , 21, 20394-403	3.3	12
145	Whispering gallery modes in photoluminescence and Raman spectra of a spherical microcavity with CdTe quantum dots: anti-Stokes emission and interference effects. <i>Nanoscale Research Letters</i> , 2006 , 1, 68-73	5	12
144	Optical gain in (Zn, Cd)Se/(S, Se) quantum wells. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 1295	1.7	12

143	Traveling Wave Analysis for a High-Order Grating, Partially Slotted Laser. <i>IEEE Journal of Quantum Electronics</i> , 2015 , 51, 1-5	2	11
142	Two-photon polymerisation of novel shapes using a conically diffracted femtosecond laser beam. <i>Optics Communications</i> , 2011 , 284, 3571-3574	2	11
141	GaN thin films produced by pulsed laser deposition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1997 , 48, 239-243	3.1	11
140	Determination of Internal Loss and Quasi-Fermi Level Separation From the Amplified Spontaneous Emission Spectrum of Fabry-Pérot Semiconductor Lasers. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1910-1912	2.2	11
139	Defect annealing in a III-V laser diode structure under intense optical excitation. <i>Applied Physics Letters</i> , 1998 , 72, 194-196	3.4	11
138	Less is More: Improved Thermal Stability and Plasmonic Response in Au Films via the Use of SubNanometer Ti Adhesion Layers. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7607-7614	9.5	10
137	Effect of Coulomb enhancement on optical gain in (Zn,Cd)Se/ZnSe multiple quantum wells. <i>Physical Review B</i> , 1996 , 54, 16417-16420	3.3	10
136	850 nm GaAs/AlGaAs DFB lasers with shallow surface gratings and oxide aperture. <i>Optics Express</i> , 2019 , 27, 31225-31234	3.3	10
135	Slotted Single Mode Lasers Integrated With a Semiconductor Optical Amplifier. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 564-567	2.2	9
134	Semiconductor nanowires self-assembled from colloidal CdTe nanocrystal building blocks: optical properties and application perspectives. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20831		9
133	Two-section singlemode lasers based on slots suitable for photonic integration. <i>Electronics Letters</i> , 2012 , 48, 945	1.1	9
132	EPR study of erbium-impurity complexes in silicon. <i>Journal of Luminescence</i> , 1998 , 80, 297-301	3.8	9
131	Optical signal processing via two-photon absorption in a semiconductor microcavity for the next generation of high-speed optical communications network. <i>Journal of Lightwave Technology</i> , 2006 , 24, 2683-2692	4	9
130	Characteristics of several NIR tuneable diode lasers for spectroscopic based gas sensing: a comparison. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 1013-20	4.4	9
129	All-optical sampling utilising two-photon absorption in semiconductor microcavity. <i>Electronics Letters</i> , 2005 , 41, 489	1.1	9
128	Athermal operation of multi-section slotted tunable lasers. <i>Optics Express</i> , 2017 , 25, 14414-14426	3.3	8
127	Photonic nanojets in Fresnel zone scattering from non-spherical dielectric particles. <i>Optics Express</i> , 2015 , 23, 26326-35	3.3	8
126	Linewidth Characterization of Integrable Slotted Single-Mode Lasers. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2225-2228	2.2	8

125	Anti-Stokes photoluminescence in semiconductor nanocrystal quantum dots 2008 , 257-275		8
124	Polarization dependence of a GaAs-based two-photon absorption microcavity photodetector. <i>Optics Express</i> , 2008 , 16, 17682-8	3.3	8
123	Tunable photon lifetime in photonic molecules: a concept for delaying an optical signal. <i>Optics Letters</i> , 2005 , 30, 2775-7	3	8
122	Resonance tuning of two-photon absorption microcavities for wavelength-selective pulse monitoring. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 433-435	2.2	8
121	Carrier diffusion in InAs/GaAs quantum dot layers and its impact on light emission from etched microstructures. <i>Nanotechnology</i> , 2003 , 14, 571-577	3.4	8
120	Tuning behaviour of slotted vernier widely tunable lasers. <i>Optics Express</i> , 2019 , 27, 17122-17137	3.3	8
119	Photolithography allows high-Q AlN microresonators for near octave-spanning frequency comb and harmonic generation. <i>Optics Express</i> , 2020 , 28, 19270-19280	3.3	8
118	High temperature gain measurements in optically pumped ZnCdSe-ZnSe quantum wells. <i>IEE Proceedings: Optoelectronics</i> , 1996 , 143, 110-112		8
117	Synthesis of centimeter-size free-standing perovskite nanosheets from single-crystal lead bromide for optoelectronic devices. <i>Scientific Reports</i> , 2019 , 9, 11738	4.9	7
116	Two-Photon-Absorption-Based OSNR Monitor for NRZ-PSK Transmission Systems. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 275-277	2.2	7
115	Compact 2-D FDTD Method Combined With Padé Approximation Transform for Leaky Mode Analysis. <i>Journal of Lightwave Technology</i> , 2010 , 28, 1638-1645	4	7
114	. <i>IEEE Journal of Quantum Electronics</i> , 2009 , 45, 223-232	2	7
113	Optical gain and linewidth enhancement factor in bulk GaN. <i>Semiconductor Science and Technology</i> , 1999 , 14, 517-520	1.8	7
112	Exciton dynamics in zinc-rich CdZnTe/ZnTe quantum wells. <i>Journal of Luminescence</i> , 1994 , 58, 216-222	3.8	7
111	Thermal broadening of excitons in CdZnTe/ZnTe single quantum wells. <i>Journal of Crystal Growth</i> , 1992 , 117, 465-469	1.6	7
110	Genetic algorithm optimization of high order surface etched grating tunable laser array. <i>Optics Express</i> , 2020 , 28, 8169-8184	3.3	7
109	Octave-spanning Kerr frequency comb generation with stimulated Raman scattering in an AlN microresonator. <i>Optics Letters</i> , 2021 , 46, 540-543	3	7
108	Control of the plasmonic near-field in metallic nanohelices. <i>Nanotechnology</i> , 2018 , 29, 325204	3.4	7

107	Linewidth and Noise Characterization for a Partially-Slotted, Single Mode Laser. <i>IEEE Journal of Quantum Electronics</i> , 2014 , 50, 1-5	2	6
106	Planar elliptical solid immersion lens based on a Cartesian oval. <i>Applied Physics Letters</i> , 2013 , 103, 091103-4	3.4	6
105	Preparation and Investigation of Quantum-Dot-Loaded Hollow Polymer Microspheres. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 24527-24536	3.8	6
104	Combining Near-Zero Behavior and Stopped Light Energy Bands for Ultra-Low Reflection and Reduced Dispersion of Slow Light. <i>Scientific Reports</i> , 2017 , 7, 8702	4.9	6
103	Conical diffraction intensity profiles generated using a top-hat input beam. <i>Optics Express</i> , 2014 , 22, 11299-3006	3.9	6
102	Fluorescent Quantum Dots as Artificial Antennas for Enhanced Light Harvesting and Energy Transfer to Photosynthetic Reaction Centers. <i>Angewandte Chemie</i> , 2010 , 122, 7375-7379	3.6	6
101	Confined optical modes and amplified spontaneous emission from a microtube cavity formed by vacuum assisted filtration. <i>Applied Physics Letters</i> , 2006 , 89, 143113	3.4	6
100	Three-dimensional photon confinement in a spherical microcavity with CdTe quantum dots: Raman spectroscopy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 26, 28-32	3	6
99	Dynamics of excitons in Cd _x Zn _{1-x} Te/ZnTe quantum wells. <i>Journal of Luminescence</i> , 1992 , 52, 109-122	3.8	6
98	Exciton dynamics in Cd _{0.33} Zn _{0.67} Te/ZnTe single quantum wells. <i>Physica B: Condensed Matter</i> , 1993 , 185, 566-570	2.8	6
97	FLN study of LiGa ₅ O ₈ :Co ²⁺ . <i>Journal of Luminescence</i> , 1990 , 45, 23-25	3.8	6
96	Observation of nonradiative energy transfer in the excitation of Nd ³⁺ luminescence in GaP. <i>Physical Review B</i> , 1990 , 41, 10254-10256	3.3	6
95	Constructive and destructive interference of Kerker-type scattering in an ultrathin silicon Huygens metasurface. <i>Physical Review Materials</i> , 2020 , 4,	3.2	6
94	Characterisation of multi-mode propagation in silicon nitride slab waveguides. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 015604	1.7	5
93	Light scattering and random lasing in aqueous suspensions of hexagonal boron nitride nanoflakes. <i>Nanotechnology</i> , 2017 , 28, 47LT02	3.4	5
92	Multi-Band-Stop Filter for Single-Photon Transport Based on a One-Dimensional Waveguide Side Coupled with Optical Cavities. <i>Plasmonics</i> , 2014 , 9, 1085-1089	2.4	5
91	Description of polarisation dependence of two-photon absorption in silicon avalanche photodiodes. <i>Electronics Letters</i> , 2010 , 46, 854	1.1	5
90	Analysis of leaky modes in deep-ridge waveguides using the compact 2D FDTD method. <i>Electronics Letters</i> , 2009 , 45, 700	1.1	5

89	Transition From Perturbed to Coupled-Cavity Behavior With Asymmetric Spectral Emission in Ridge Lasers Emitting at 1.55 μm . <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 58-60	2.2	5
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