

John Donegan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4904306/publications.pdf>

Version: 2024-02-01

327
papers

13,837
citations

66234

42
h-index

22102

113
g-index

330
all docs

330
docs citations

330
times ranked

18826
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Two-Dimensional Nanosheets Produced by Liquid Exfoliation of Layered Materials. <i>Science</i> , 2011, 331, 568-571. | 6.0 | 6,190 |
| 2 | Aqueous Synthesis of Thiol-Capped CdTe Nanocrystals:â€™ State-of-the-Art. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14628-14637. | 1.5 | 703 |
| 3 | Edge and confinement effects allow in situ measurement of size and thickness of liquid-exfoliated nanosheets. <i>Nature Communications</i> , 2014, 5, 4576. | 5.8 | 432 |
| 4 | 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. | 2.7 | 256 |
| 5 | Effect of ZnS shell thickness on the phonon spectra in CdSe quantum dots. <i>Physical Review B</i> , 2003, 68, . | 1.1 | 227 |
| 6 | Nonfunctionalized Nanocrystals Can Exploit a Cell's Active Transport Machinery Delivering Them to Specific Nuclear and Cytoplasmic Compartments. <i>Nano Letters</i> , 2007, 7, 3452-3461. | 4.5 | 219 |
| 7 | Measuring the lateral size of liquid-exfoliated nanosheets with dynamic light scattering. <i>Nanotechnology</i> , 2013, 24, 265703. | 1.3 | 214 |
| 8 | Preparation of Gallium Sulfide Nanosheets by Liquid Exfoliation and Their Application As Hydrogen Evolution Catalysts. <i>Chemistry of Materials</i> , 2015, 27, 3483-3493. | 3.2 | 195 |
| 9 | Spectroscopic metrics allow in situ measurement of mean size and thickness of liquid-exfoliated few-layer graphene nanosheets. <i>Nanoscale</i> , 2016, 8, 4311-4323. | 2.8 | 194 |
| 10 | Raman characterization of platinum diselenide thin films. <i>2D Materials</i> , 2016, 3, 021004. | 2.0 | 172 |
| 11 | Nanopatterning and Electrical Tuning of MoS ₂ Layers with a Subnanometer Helium Ion Beam. <i>Nano Letters</i> , 2015, 15, 5307-5313. | 4.5 | 171 |
| 12 | 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, 7217-7221. | 7.2 | 167 |
| 13 | Optimisation of the synthesis and modification of CdTe quantum dots for enhanced live cell imaging. <i>Journal of Materials Chemistry</i> , 2006, 16, 2896. | 6.7 | 154 |
| 14 | 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. | 1.9 | 110 |
| 15 | â€™Jelly Dotsâ€™ Synthesis and Cytotoxicity Studies of CdTe Quantum Dotâ€™Gelatin Nanocomposites. <i>Small</i> , 2007, 3, 1152-1156. | 5.2 | 99 |
| 16 | Photoconductivity of solution-processed MoS ₂ films. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6899. | 2.7 | 99 |
| 17 | Fine structure of coupled optical modes in photonic molecules. <i>Physical Review A</i> , 2004, 70, . | 1.0 | 94 |
| 18 | CdTe Quantum Dot/Dye Hybrid System as Photosensitizer for Photodynamic Therapy. <i>Nanoscale Research Letters</i> , 2010, 5, 753-760. | 3.1 | 90 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Conical diffraction and Bessel beam formation with a high optical quality biaxial crystal. <i>Optics Express</i> , 2009, 17, 12891. | 1.7 | 86 |
| 20 | 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, 2640-2648. | 4.5 | 80 |
| 21 | CdTe Nanoparticles Display Tropism to Core Histones and Histone-Rich Cell Organelles. <i>Small</i> , 2008, 4, 2006-2015. | 5.2 | 77 |
| 22 | 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. | 1.3 | 76 |
| 23 | Low divergence photonic nanojets from Si ₃ N ₄ microdisks. <i>Optics Express</i> , 2012, 20, 128. | 1.7 | 75 |
| 24 | 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. | 5.2 | 71 |
| 25 | The optical spectroscopy of LiGa5O8: Ni ²⁺ . <i>Journal of Luminescence</i> , 1986, 35, 57-63. | 1.5 | 69 |
| 26 | 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. | 1.0 | 69 |
| 27 | Design of Slotted Single-Mode Lasers Suitable for Photonic Integration. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 787-789. | 1.3 | 68 |
| 28 | Helium ion microscopy of graphene: beam damage, image quality and edge contrast. <i>Nanotechnology</i> , 2013, 24, 335702. | 1.3 | 68 |
| 29 | Spectroscopic Size and Thickness Metrics for Liquid-Exfoliated h-BN. <i>Chemistry of Materials</i> , 2018, 30, 1998-2005. | 3.2 | 65 |
| 30 | In-Situ Observation of Nanowire Growth from Luminescent CdTe Nanocrystals in a Phosphate Buffer Solution. <i>ChemPhysChem</i> , 2004, 5, 1600-1602. | 1.0 | 62 |
| 31 | The optical spectroscopy of chromium in ed-2 silicate glass. <i>Journal of Luminescence</i> , 1986, 34, 307-321. | 1.5 | 60 |
| 32 | Vacancies, interstitials, and close Frenkel pairs on the zinc sublattice of ZnSe. <i>Physical Review B</i> , 1996, 54, 7779-7788. | 1.1 | 57 |
| 33 | Discretely Tunable Semiconductor Lasers Suitable for Photonic Integration. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009, 15, 482-487. | 1.9 | 56 |
| 34 | Generation of continuously tunable fractional optical orbital angular momentum using internal conical diffraction. <i>Optics Express</i> , 2010, 18, 16480. | 1.7 | 56 |
| 35 | Luminescence and fluorescence line narrowing studies of Y3Al5O12:Mn ⁴⁺ . <i>Journal of Luminescence</i> , 1986, 36, 93-100. | 1.5 | 55 |
| 36 | Electron paramagnetic resonance and photoluminescence study of Er-impurity complexes in Si. <i>Physical Review B</i> , 1999, 59, 2773-2782. | 1.1 | 51 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Non-resonant light scattering in dispersions of 2D nanosheets. <i>Nature Communications</i> , 2018, 9, 4553. | 5.8 | 51 |
| 38 | The creation and annihilation of optical vortices using cascade conical diffraction. <i>Optics Express</i> , 2011, 19, 2580. | 1.7 | 50 |
| 39 | Nanojets and directional emission in symmetric photonic molecules. <i>Optics Express</i> , 2007, 15, 17343. | 1.7 | 47 |
| 40 | CdTe Nanowire Networks: Fast Self-Assembly in Solution, Internal Structure, and Optical Properties. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18927-18931. | 1.5 | 47 |
| 41 | Generation of a radially polarized light beam using internal conical diffraction. <i>Optics Express</i> , 2011, 19, 21793. | 1.7 | 47 |
| 42 | Directly accessing octave-spanning dissipative Kerr soliton frequency combs in an AlN microresonator. <i>Photonics Research</i> , 2021, 9, 1351. | 3.4 | 46 |
| 43 | Determination of the In antisite structure in InP by optically detected electron-nuclear double resonance. <i>Physical Review B</i> , 1987, 36, 1324-1327. | 1.1 | 45 |
| 44 | 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. | 1.0 | 43 |
| 45 | There are many ways to spin a photon: Half-quantization of a total optical angular momentum. <i>Science Advances</i> , 2016, 2, e1501748. | 4.7 | 43 |
| 46 | 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. | 0.9 | 42 |
| 47 | 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. | 1.1 | 41 |
| 48 | 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. | 1.2 | 40 |
| 49 | Integrable Slotted Single-Mode Lasers. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 634-636. | 1.3 | 39 |
| 50 | Two-photon absorption photocurrent enhancement in bulk AlGaAs semiconductor microcavities. <i>Applied Physics Letters</i> , 2002, 80, 1328-1330. | 1.5 | 37 |
| 51 | Associative Enhancement of Time Correlated Response to Heterogeneous Stimuli in a Neuromorphic Nanowire Device. <i>Advanced Electronic Materials</i> , 2016, 2, 1500458. | 2.6 | 37 |
| 52 | Conical diffraction of linearly polarised light controls the angular position of a microscopic object. <i>Optics Express</i> , 2010, 18, 27319. | 1.7 | 36 |
| 53 | Single mode lasers based on slots suitable for photonic integration. <i>Optics Express</i> , 2011, 19, B140. | 1.7 | 36 |
| 54 | 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. | 1.5 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | In-band OSNR monitoring using a pair of Michelson fiber interferometers. Optics Express, 2010, 18, 3618. | 1.7 | 33 |
| 56 | Improved performance of tunable single-mode laser array based on high-order slotted surface grating. Optics Express, 2015, 23, 12072. | 1.7 | 32 |
| 57 | CMOS-compatible multi-band plasmonic TE-pass polarizer. Optics Express, 2018, 26, 30292. | 1.7 | 32 |
| 58 | Synthesis, Characterisation, and Biological Studies of CdTe Quantum Dot-Naproxen Conjugates. ChemMedChem, 2007, 2, 183-186. | 1.6 | 31 |
| 59 | Emerging applications of fluorescent nanocrystals quantum dots for micrometastases detection. Proteomics, 2010, 10, 700-716. | 1.3 | 31 |
| 60 | Optical spectral sweep comb liquid flow rate sensor. Optics Letters, 2018, 43, 751. | 1.7 | 31 |
| 61 | Measurements of milli-Newton surface tension forces with tilted fiber Bragg gratings. Optics Letters, 2018, 43, 255. | 1.7 | 31 |
| 62 | Electron paramagnetic resonance of erbium doped silicon. Applied Physics Letters, 1996, 69, 3854-3856. | 1.5 | 30 |
| 63 | Optical trapping using cascade conical refraction of light. Optics Express, 2012, 20, 21119. | 1.7 | 30 |
| 64 | Conical diffraction of a Gaussian beam with a two crystal cascade. Optics Express, 2012, 20, 13201. | 1.7 | 29 |
| 65 | Helium ion microscope generated nitrogen-vacancy centres in type Ib diamond. Applied Physics Letters, 2014, 104, . | 1.5 | 29 |
| 66 | Highly fabrication tolerant InP based polarization beam splitter based on p-i-n structure. Optics Express, 2017, 25, 10070. | 1.7 | 29 |
| 67 | Photoluminescence of localized excitons in pulsed-laser-deposited GaN. Applied Physics Letters, 1998, 73, 3390-3392. | 1.5 | 28 |
| 68 | Control of efficiency of photon energy up-conversion in CdSe/ZnS quantum dots. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2003, 94, 859-863. | 0.2 | 28 |
| 69 | Anti-Stokes cooling in semiconductor nanocrystal quantum dots: A feasibility study. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2497-2509. | 0.8 | 28 |
| 70 | Large Enhancement of Nonlinear Optical Response in a Hybrid Nanobiomaterial Consisting of Bacteriorhodopsin and Cadmium Telluride Quantum Dots. ACS Nano, 2013, 7, 2154-2160. | 7.3 | 28 |
| 71 | Up-conversion luminescence via a below-gap state in CdSe/ZnS quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 99-100. | 1.3 | 27 |
| 72 | GaN Resonant Cavity Light-Emitting Diodes for Plastic Optical Fiber Applications. IEEE Photonics Technology Letters, 2004, 16, 2006-2008. | 1.3 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Enhancement of quality factor for TE whispering-gallery modes in microcylinder resonators. <i>Optics Express</i> , 2010, 18, 13057. | 1.7 | 26 |
| 74 | Radiation-pressure-induced mode splitting in a spherical microcavity with an elastic shell. <i>Optics Express</i> , 2007, 15, 3597. | 1.7 | 25 |
| 75 | Conical diffraction and the dispersion surface of hyperbolic metamaterials. <i>Physical Review A</i> , 2014, 90, . | 1.0 | 25 |
| 76 | Vertical Single-Crystalline Organic Nanowires on Graphene: Solution-Phase Epitaxy and Optical Microcavities. <i>Nano Letters</i> , 2016, 16, 4754-4762. | 4.5 | 24 |
| 77 | 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. | 5.6 | 23 |
| 78 | Effective Wavelength Scaling of and Damping in Plasmonic Helical Antennae. <i>ACS Photonics</i> , 2015, 2, 675-679. | 3.2 | 23 |
| 79 | 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. | 1.1 | 22 |
| 80 | 6\AA — 6\AA effective mass Hamiltonian for heterostructures grown on (11N)-oriented substrates. <i>Physical Review B</i> , 2003, 68, . | 1.1 | 22 |
| 81 | Confined optical modes in small photonic molecules with semiconductor nanocrystals. <i>Journal of Applied Physics</i> , 2004, 96, 6761-6765. | 1.1 | 22 |
| 82 | Widely tunable six-section semiconductor laser based on etched slots. <i>Optics Express</i> , 2014, 22, 18949. | 1.7 | 22 |
| 83 | Controllable growth of metallic nano-helices at room temperature conditions. <i>Applied Physics Letters</i> , 2014, 105, . | 1.5 | 22 |
| 84 | Optical measurement of the ambipolar diffusion length in a ZnCdSe/ZnSe single quantum well. <i>Journal of Applied Physics</i> , 1997, 81, 536-538. | 1.1 | 21 |
| 85 | High-Sensitivity Two-Photon Absorption Microcavity Autocorrelator. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 1543-1545. | 1.3 | 21 |
| 86 | 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. | 2.1 | 21 |
| 87 | 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. | 4.0 | 21 |
| 88 | Dual-mode microresonators as straightforward access to octave-spanning dissipative Kerr solitons. <i>APL Photonics</i> , 2022, 7, . | 3.0 | 21 |
| 89 | Hot-Volumes as Uniform and Reproducible SERS-Detection Enhancers in Weakly-Coupled Metallic Nanohelices. <i>Scientific Reports</i> , 2017, 7, 45548. | 1.6 | 20 |
| 90 | Solid state dewetting of thin plasmonic films under focused cw-laser irradiation. <i>Acta Materialia</i> , 2018, 145, 210-219. | 3.8 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Carrier-density dependence of the photoluminescence lifetimes in ZnCdSe/ZnSSe quantum wells at room temperature. <i>Applied Physics Letters</i> , 1999, 74, 3359-3361. | 1.5 | 19 |
| 92 | 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. | 2.0 | 19 |
| 93 | Linewidth enhancement factor of lattice-matched InGaNAs/GaAs quantum wells. <i>Applied Physics Letters</i> , 2003, 82, 505-507. | 1.5 | 19 |
| 94 | 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, 1013-1020. | 2.0 | 19 |
| 95 | Nine-channel wavelength tunable single mode laser array based on slots. <i>Optics Express</i> , 2013, 21, 10215. | 1.7 | 19 |
| 96 | Photolithography allows high-Q AlN microresonators for near octave-spanning frequency comb and harmonic generation. <i>Optics Express</i> , 2020, 28, 19270. | 1.7 | 19 |
| 97 | 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. | 1.9 | 18 |
| 98 | Optical linewidths in chromium-doped glass and ceramic. <i>Journal of Luminescence</i> , 1987, 36, 231-235. | 1.5 | 17 |
| 99 | Calculation of gain-current characteristics in ZnCdSe/ZnSe quantum well structures including many body effects. <i>Applied Physics Letters</i> , 1995, 67, 3780-3782. | 1.5 | 17 |
| 100 | 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. | 1.3 | 17 |
| 101 | Photosensitizer Methylene Blue-Semiconductor Nanocrystals Hybrid System for Photodynamic Therapy. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2656-2662. | 0.9 | 17 |
| 102 | Constructive and destructive interference of Kerker-type scattering in an ultrathin silicon Huygens metasurface. <i>Physical Review Materials</i> , 2020, 4, . | 0.9 | 17 |
| 103 | Athermal operation of multi-section slotted tunable lasers. <i>Optics Express</i> , 2017, 25, 14414. | 1.7 | 16 |
| 104 | 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. | 1.7 | 16 |
| 105 | Octave-spanning Kerr frequency comb generation with stimulated Raman scattering in an AlN microresonator. <i>Optics Letters</i> , 2021, 46, 540. | 1.7 | 16 |
| 106 | Optical detection of electron-nuclear double resonance for a donor in oxygen-doped GaP. <i>Physical Review B</i> , 1989, 39, 3207-3215. | 1.1 | 15 |
| 107 | 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. | 0.9 | 15 |
| 108 | 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. | 2.7 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | The Fabrication, Fluorescence Dynamics, and Whispering Gallery Modes of Aluminosilicate Microtube Resonators. <i>Advanced Functional Materials</i> , 2007, 17, 1106-1114. | 7.8 | 15 |
| 110 | Slotted Single Mode Lasers Integrated With a Semiconductor Optical Amplifier. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 564-567. | 1.3 | 15 |
| 111 | White light conical diffraction. <i>Optics Express</i> , 2013, 21, 20394. | 1.7 | 15 |
| 112 | Reducing thermal crosstalk in ten-channel tunable slotted-laser arrays. <i>Optics Express</i> , 2015, 23, 23380. | 1.7 | 15 |
| 113 | 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. | 2.7 | 15 |
| 114 | New Materials for Tunable Lasers in the Near Infrared. <i>Journal of Modern Optics</i> , 1990, 37, 769-777. | 0.6 | 14 |
| 115 | Optical gain in (Zn, Cd)Se/Zn(S, Se) quantum wells. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 1295. | 0.9 | 14 |
| 116 | Defect annealing in a InGaAsP laser diode structure under intense optical excitation. <i>Applied Physics Letters</i> , 1998, 72, 194-196. | 1.5 | 14 |
| 117 | Controlled Cavity-Free, Single-Photon Emission and Bipartite Entanglement of Near-Field-Excited Quantum Emitters. <i>Nano Letters</i> , 2020, 20, 5830-5836. | 4.5 | 14 |
| 118 | Near-octave-spanning breathing soliton crystal in an AlN microresonator. <i>Optics Letters</i> , 2021, 46, 3436. | 1.7 | 14 |
| 119 | 850-nm GaAs/AlGaAs DFB lasers with shallow surface gratings and oxide aperture. <i>Optics Express</i> , 2019, 27, 31225. | 1.7 | 14 |
| 120 | All-optical sampling utilising two-photon absorption in semiconductor microcavity. <i>Electronics Letters</i> , 2005, 41, 489. | 0.5 | 13 |
| 121 | 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. | 1.3 | 13 |
| 122 | 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. | 3.1 | 13 |
| 123 | Traveling Wave Analysis for a High-Order Grating, Partially Slotted Laser. <i>IEEE Journal of Quantum Electronics</i> , 2015, 51, 1-5. | 1.0 | 13 |
| 124 | Comparison of Metal Adhesion Layers for Au Films in Thermoplasmonic Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13503-13509. | 4.0 | 13 |
| 125 | EPR study of erbium-impurity complexes in silicon. <i>Journal of Luminescence</i> , 1998, 80, 297-301. | 1.5 | 12 |
| 126 | Two-photon polymerisation of novel shapes using a conically diffracted femtosecond laser beam. <i>Optics Communications</i> , 2011, 284, 3571-3574. | 1.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Two-section singlemode lasers based on slots suitable for photonic integration. Electronics Letters, 2012, 48, 945. | 0.5 | 12 |
| 128 | GaN thin films produced by pulsed laser deposition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1997, 48, 239-243. | 1.7 | 11 |
| 129 | Tunable photon lifetime in photonic molecules: a concept for delaying an optical signal. Optics Letters, 2005, 30, 2775. | 1.7 | 11 |
| 130 | Photonic nanojets in Fresnel zone scattering from non-spherical dielectric particles. Optics Express, 2015, 23, 26326. | 1.7 | 11 |
| 131 | Tuning behaviour of slotted vernier widely tunable lasers. Optics Express, 2019, 27, 17122. | 1.7 | 11 |
| 132 | Effect of Coulomb enhancement on optical gain in (Zn,Cd)Se/ZnSe multiple quantum wells. Physical Review B, 1996, 54, 16417-16420. | 1.1 | 10 |
| 133 | Carrier diffusion in InAs/GaAs quantum dot layers and its impact on light emission from etched microstructures. Nanotechnology, 2003, 14, 571-577. | 1.3 | 10 |
| 134 | Resonance tuning of two-photon absorption microcavities for wavelength-selective pulse monitoring. IEEE Photonics Technology Letters, 2006, 18, 433-435. | 1.3 | 10 |
| 135 | Control of the plasmonic near-field in metallic nanohelices. Nanotechnology, 2018, 29, 325204. | 1.3 | 10 |
| 136 | Anti-Stokes photoluminescence in semiconductor nanocrystal quantum dots. , 2008, , 257-275. | | 9 |
| 137 | Two-Photon-Absorption-Based OSNR Monitor for NRZ-PSK Transmission Systems. IEEE Photonics Technology Letters, 2010, 22, 275-277. | 1.3 | 9 |
| 138 | Compact 2-D FDTD Method Combined With Pad  Approximation Transform for Leaky Mode Analysis. Journal of Lightwave Technology, 2010, 28, 1638-1645. | 2.7 | 9 |
| 139 | Semiconductor nanowires self-assembled from colloidal CdTe nanocrystal building blocks: optical properties and application perspectives. Journal of Materials Chemistry, 2012, 22, 20831. | 6.7 | 9 |
| 140 | Preparation and Investigation of Quantum-Dot-Loaded Hollow Polymer Microspheres. Journal of Physical Chemistry C, 2013, 117, 24527-24536. | 1.5 | 9 |
| 141 | Conical diffraction intensity profiles generated using a top-hat input beam. Optics Express, 2014, 22, 11290. | 1.7 | 9 |
| 142 | Combining $\hat{\mu}$ -Near-Zero Behavior and Stopped Light Energy Bands for Ultra-Low Reflection and Reduced Dispersion of Slow Light. Scientific Reports, 2017, 7, 8702. | 1.6 | 9 |
| 143 | Design of 1.3- μm High-Performance Directly Modulated Lasers Based on High-Order Slotted Surface Gratings. IEEE Journal of Quantum Electronics, 2017, 53, 1-9. | 1.0 | 9 |
| 144 | Synthesis of centimeter-size free-standing perovskite nanosheets from single-crystal lead bromide for optoelectronic devices. Scientific Reports, 2019, 9, 11738. | 1.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Shaping and Storing Magnetic Data Using Pulsed Plasmonic Nanoheating and Spin-Transfer Torque. ACS Photonics, 2019, 6, 1524-1532. | 3.2 | 9 |
| 146 | Genetic algorithm optimization of high order surface etched grating tunable laser array. Optics Express, 2020, 28, 8169. | 1.7 | 9 |
| 147 | Thermal broadening of excitons in CdZnTe/ZnTe single quantum wells. Journal of Crystal Growth, 1992, 117, 465-469. | 0.7 | 8 |
| 148 | Tm ³⁺ -doped ZBLAN fibre amplifier at 1.49 µm with co-operative lasing at 1.88 µm. Electronics Letters, 2005, 41, 899. | 0.5 | 8 |
| 149 | Confined optical modes and amplified spontaneous emission from a microtube cavity formed by vacuum assisted filtration. Applied Physics Letters, 2006, 89, 143113. | 1.5 | 8 |
| 150 | Polarization dependence of a GaAs-based two-photon absorption microcavity photodetector. Optics Express, 2008, 16, 17682. | 1.7 | 8 |
| 151 | Planar elliptical solid immersion lens based on a Cartesian oval. Applied Physics Letters, 2013, 103, 091101. | 1.5 | 8 |
| 152 | Linewidth Characterization of Integrable Slotted Single-Mode Lasers. IEEE Photonics Technology Letters, 2014, 26, 2225-2228. | 1.3 | 8 |
| 153 | High temperature gain measurements in optically pumped ZnCdSe-ZnSe quantum wells. IEE Proceedings: Optoelectronics, 1996, 143, 110-112. | 0.8 | 8 |
| 154 | FLN study of LiGa5O8:Co ²⁺ . Journal of Luminescence, 1990, 45, 23-25. | 1.5 | 7 |
| 155 | Observation of nonradiative energy transfer in the excitation of Nd ³⁺ luminescence in GaP. Physical Review B, 1990, 41, 10254-10256. | 1.1 | 7 |
| 156 | Exciton dynamics in Cd _{0.33} Zn _{0.67} Te/ZnTe single quantum wells. Physica B: Condensed Matter, 1993, 185, 566-570. | 1.3 | 7 |
| 157 | Exciton dynamics in zinc-rich CdZnTe/ZnTe quantum wells. Journal of Luminescence, 1994, 58, 216-222. | 1.5 | 7 |
| 158 | Optical gain and linewidth enhancement factor in bulk GaN. Semiconductor Science and Technology, 1999, 14, 517-520. | 1.0 | 7 |
| 159 | Three-dimensional photon confinement in a spherical microcavity with CdTe quantum dots: Raman spectroscopy. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 26, 28-32. | 1.3 | 7 |
| 160 | Transition From Perturbed to Coupled-Cavity Behavior With Asymmetric Spectral Emission in Ridge Lasers Emitting at 1.55 µm. IEEE Photonics Technology Letters, 2007, 19, 58-60. | 1.3 | 7 |
| 161 | Analysis of leaky modes in deep-ridge waveguides using the compact 2D FDTD method. Electronics Letters, 2009, 45, 700. | 0.5 | 7 |
| 162 | Chromatic Dispersion Monitoring for High-Speed WDM Systems Using Two-Photon Absorption in a Semiconductor Microcavity. IEEE Journal of Quantum Electronics, 2009, 45, 223-232. | 1.0 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Light scattering and random lasing in aqueous suspensions of hexagonal boron nitride nanoflakes. Nanotechnology, 2017, 28, 47LT02. | 1.3 | 7 |
| 164 | Design Optimization for Semiconductor Lasers With High-Order Surface Gratings Having Multiple Periods. Journal of Lightwave Technology, 2018, 36, 5121-5129. | 2.7 | 7 |
| 165 | Breather solitons in AlN microresonators. , 2022, 1, 42. | | 7 |
| 166 | Dynamics of excitons in $Cd_xZn_{1-x}Te/ZnTe$ quantum wells. Journal of Luminescence, 1992, 52, 109-122. | 1.5 | 6 |
| 167 | Absorption line shift with temperature and pressure: impact on laser-diode-based H_2O sensing at $1393 \mu m$. Applied Optics, 2003, 42, 4968. | 2.1 | 6 |
| 168 | Size-selective photoluminescence excitation spectroscopy in CdTe quantum dots. , 2003, 4876, 432. | | 6 |
| 169 | Linewidth and Noise Characterization for a Partially-Slotted, Single Mode Laser. IEEE Journal of Quantum Electronics, 2014, 50, 1-5. | 1.0 | 6 |
| 170 | Mapping of surface plasmon dispersion in thin Ag/Au layered composite films. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 566. | 0.9 | 6 |
| 171 | Athermal Tuning for a Two-Section, All-Active DBR Laser With High-Order Grating. IEEE Photonics Journal, 2018, 10, 1-11. | 1.0 | 6 |
| 172 | Effective heat dissipation in an adiabatic near-field transducer for HAMR. Optics Express, 2018, 26, 18842. | 1.7 | 6 |
| 173 | Distribution of shallow NV centers in diamond revealed by photoluminescence spectroscopy and nanomachining. Carbon, 2020, 167, 114-121. | 5.4 | 6 |
| 174 | Spatially resolved self-heating and thermal impedance of laser diodes using CCD-TR imaging. OSA Continuum, 2021, 4, 1271. | 1.8 | 6 |
| 175 | Optical, thermal, and bit-writing analysis of a directly coupled plasmonic waveguide for heat-assisted magnetic recording. OSA Continuum, 2020, 3, 2010. | 1.8 | 6 |
| 176 | Er^{3+} -Doped Silicon Prepared by Laser Doping. Materials Research Society Symposia Proceedings, 1993, 301, 67. | 0.1 | 5 |
| 177 | Spontaneous emission from semiconductor nanocrystals in coupled spherical microcavities. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 858-861. | 0.8 | 5 |
| 178 | Influence of Cavity Lifetime on High-Finesse Microcavity Two-Photon Absorption Photodetectors. IEEE Photonics Technology Letters, 2007, 19, 432-434. | 1.3 | 5 |
| 179 | Design of Low V_{π} High-Speed GaAs Travelling-Wave Electrooptic Phase Modulators Using an n-i-p-n Structure. IEEE Photonics Technology Letters, 2008, 20, 1805-1807. | 1.3 | 5 |
| 180 | Optical Studies of the Methylene Blue-Semiconductor Nanocrystals Hybrid System. E-Journal of Surface Science and Nanotechnology, 2009, 7, 349-353. | 0.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Energy transfer processes in semiconductor quantum dots: bacteriorhodopsin hybrid system. , 2009, , . | | 5 |
| 182 | Description of polarisation dependence of two-photon absorption in silicon avalanche photodiodes. Electronics Letters, 2010, 46, 854. | 0.5 | 5 |
| 183 | Multi-Band-Stop Filter for Single-Photon Transport Based on a One-Dimensional Waveguide Side Coupled with Optical Cavities. Plasmonics, 2014, 9, 1085-1089. | 1.8 | 5 |
| 184 | Characterisation of multi-mode propagation in silicon nitride slab waveguides. Journal of Optics (United Kingdom), 2017, 19, 015604. | 1.0 | 5 |
| 185 | Novel polarization beam splitter based on p-i-n structure for an indium phosphide platform. , 2017, , . | | 5 |
| 186 | High-performance InP-based Mach-Zehnder polarization beam splitter with a 19-dB extinction ratio across C-band. Optics Letters, 2019, 44, 4299. | 1.7 | 5 |
| 187 | Optical detection of electron-nuclear double resonance for an S=1 luminescent center in GaP:O. Physical Review B, 1991, 43, 2141-2151. | 1.1 | 4 |
| 188 | Pulsed laser deposition of GaN thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1999, 59, 98-103. | 1.7 | 4 |
| 189 | Operation of Tm ³⁺ fiber laser at $\lambda = 2.3 \mu\text{m}$ coupled to a silica fiber Bragg grating. Optical and Quantum Electronics, 2001, 33, 151-164. | 1.5 | 4 |
| 190 | A Novel Two-Section Tunable Slotted Fabry-Perot Laser Exhibiting ns Wavelength Switching. , 2007, , . | | 4 |
| 191 | Fast Switching Tunable Laser Sources for Wavelength Division Multiplexing in Passive Optical Access Networks. Indium Phosphide and Related Materials Conference (IPRM), IEEE International Conference on, 2007, , . | 0.0 | 4 |
| 192 | Whispering gallery mode emission from microtube cavity. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overclock 10 Tf 50 302 | 0.2 | 4 |
| 193 | Two-photon absorption generated by optically amplified signals. Electronics Letters, 2008, 44, 1087. | 0.5 | 4 |
| 194 | A facetless laser suitable for monolithic integration. , 2008, , . | | 4 |
| 195 | Non-resonant wavelength modulation saturation spectroscopy in acetylene-filled hollow-core photonic bandgap fibres applied to modulation-free laser diode stabilisation. Optics Express, 2009, 17, 23309. | 1.7 | 4 |
| 196 | Chromatic Dispersion Monitoring for High-Speed WDM Systems Using Two-Photon Absorption in a Semiconductor Microcavity. IEEE Journal of Quantum Electronics, 2009, 45, 90-99. | 1.0 | 4 |
| 197 | Interferometer based in-band OSNR monitoring of single and dual polarisation QPSK signals. , 2010, , . | | 4 |
| 198 | Dual Polarization Interferometric In-Band OSNR Measurement. IEEE Photonics Technology Letters, 2012, 24, 873-875. | 1.3 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | 1.3 μm wavelength tunable single-mode laser arrays based on slots. Optics Express, 2021, 29, 15802. | 1.7 | 4 |
| 200 | Waveguide Loss Measurement Using the Reflection Spectrum. IEEE Photonics Technology Letters, 2008, 20, 1423-1425. | 1.3 | 3 |
| 201 | Suppression of Residual Single-Photon Absorption Relative to Two-Photon Absorption in High Finesse Planar Microcavities. IEEE Photonics Technology Letters, 2008, 20, 1426-1428. | 1.3 | 3 |
| 202 | Acceptance Angle Influence on the Optimum Incident Spot Size for High-Finesse Microcavity Two-Photon Absorption Photodetectors. IEEE Journal of Quantum Electronics, 2009, 45, 1584-1589. | 1.0 | 3 |
| 203 | High Resolution Imaging of Actin Filaments in Living Cells Under Physiologically Relevant Conditions Using Apertureless Near-Field Microscopy. Journal of Nanoscience and Nanotechnology, 2010, 10, 7489-7493. | 0.9 | 3 |
| 204 | Optimization of parameters of photonic nanojet generated by dielectric microsphere for laser nanojet SNOM. Proceedings of SPIE, 2011, , . | 0.8 | 3 |
| 205 | Systematic analysis of whispering-gallery modes in planar silicon nitride microdisks. Optics Communications, 2014, 322, 188-197. | 1.0 | 3 |
| 206 | Combining Sub-nanometer Adhesion and Capping Layers for Thermally Stable Nanometer-Thick Au Films. ACS Applied Nano Materials, 2020, 3, 10628-10633. | 2.4 | 3 |
| 207 | Wide range thermal and athermal operation of slotted surface grating lasers. Optics Express, 2021, 29, 16893. | 1.7 | 3 |
| 208 | Experimental Investigation of External Optical Injection and its Application in Gain-Switched Wavelength Tunable Optical Frequency Comb Generation. Journal of Lightwave Technology, 2021, 39, 5884-5895. | 2.7 | 3 |
| 209 | Absorbance enhancement of monolayer MoS_2 in a perfect absorbing system. Physical Review Materials, 2022, 6, . | 1.3 | 3 |
| 210 | Resonant Rayleigh scattering from excitons in $\text{Cd}_x\text{Zn}_{1-x}\text{Te}$:ZnTe quantum wells: measurement of homogeneous linewidths. Applied Surface Science, 1991, 50, 321-324. | 3.1 | 2 |
| 211 | Highly efficient Forster resonance energy transfer between CdTe nanocrystals and two different dye molecules. , 2004, , . | | 2 |
| 212 | Multi-species gas sensing using monolithic widely tuneable laser diodes. , 2005, , . | | 2 |
| 213 | Interaction of surface plasmons with CdTe quantum dot excitons. , 2005, , . | | 2 |
| 214 | Dispersion Monitoring for High-Speed WDM Networks via Two-Photon Absorption in a Semiconductor Microcavity. , 2006, , . | | 2 |
| 215 | Optically switchable emission of CdTe nanocrystals. Semiconductor Science and Technology, 2007, 22, 145-148. | 1.0 | 2 |
| 216 | Expanding the range of chromatic dispersion monitoring with two-photon absorption in semiconductors. , 2007, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Characterization of Reflective Defects in Fabry-Pérot Laser Diodes Through the Power Transmission Spectrum. IEEE Journal of Quantum Electronics, 2007, 43, 350-357. | 1.0 | 2 |
| 218 | Leaky Modes Analysis in Very Deeply Etched Semiconductor Ridge Waveguides. IEEE Photonics Technology Letters, 2010, 22, 407-409. | 1.3 | 2 |
| 219 | Controlling the properties of Photonic Jets. , 2010, , . | | 2 |
| 220 | Laser diode linewidth measurement using high-Q spherical microresonators. Electronics Letters, 2011, 47, 129. | 0.5 | 2 |
| 221 | A novel discrete mode narrow linewidth laser diode for spectroscopic based gas sensing in the 1.5 μ m region. Applied Physics B: Lasers and Optics, 2012, 109, 433-440. | 1.1 | 2 |
| 222 | Observation of a new interference phenomenon in internal conical diffraction. Optics Express, 2015, 23, 1125. | 1.7 | 2 |
| 223 | High Performance InP-Based Polarization Beam Splitter With Reverse Bias and Injection Current. Journal of Lightwave Technology, 2020, 38, 2336-2345. | 2.7 | 2 |
| 224 | Recovery of degradation in II-VI laser diode structure. Electronics Letters, 1999, 35, 1281. | 0.5 | 2 |
| 225 | Novel Polarization Beam Splitter with High Fabrication Tolerance. , 2018, , . | | 2 |
| 226 | Efficient waveguide-to-plasmon coupling and adiabatic nanofocusing for HAMR applications. , 2017, , . | | 2 |
| 227 | A study of internal losses in multiple quantum well materials. Journal of Crystal Growth, 1996, 159, 653-656. | 0.7 | 1 |
| 228 | Optical design of GaN resonant cavity LEDs emitting at 510nm for use in plastic optical fiber applications. , 2003, , . | | 1 |
| 229 | Highly emissive nanowires grown from CdTe nanocrystals in a phosphate buffer solution. , 2005, 5824, 123. | | 1 |
| 230 | Coupled cavity modes in photonic molecules with semiconductor nanocrystals. , 2005, , . | | 1 |
| 231 | Simulation of a high-speed demultiplexer based on two-photon absorption in semiconductor devices. Optics Communications, 2005, 249, 415-420. | 1.0 | 1 |
| 232 | Modification of Photon States in Photonic Molecules with Semiconductor Nanocrystals. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2005, 99, 493. | 0.2 | 1 |
| 233 | Radiation pressure induced splitting of resonant modes in a nanocrystal-coated microcavity. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3689-3692. | 0.8 | 1 |
| 234 | Design and Simulation of a Novel Three-Section Widely-Tunable Slotted Fabry-Pérot Laser. , 2007, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Spontaneous emission enhancement in a microtube cavity with highly confined optical modes. , 2007, , . | | 1 |
| 236 | Optical Channel Monitoring Using Two Photon Absorption. , 2007, , . | | 1 |
| 237 | Polarisation distribution for internal conical diffraction and the superposition of zero and first order Bessel beams. , 2008, , . | | 1 |
| 238 | Mode manipulation in system of coupled microcavities with whispering gallery modes. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2010, 108, 385-390. | 0.2 | 1 |
| 239 | Solution-grown CdTe nanowires: Self-assembly, optical properties and strong temperature dependent electronic coupling. , 2010, , . | | 1 |
| 240 | Silicon nitride microdisks in the visible range. , 2011, , . | | 1 |
| 241 | Single facet slotted Fabry-Perot laser and its application in photonic integrated circuits. Proceedings of SPIE, 2012, , . | 0.8 | 1 |
| 242 | Unknown genius. Physics World, 2012, 25, 26-29. | 0.0 | 1 |
| 243 | Extension of the spectral range of bacteriorhodopsin functional activity by energy transfer from quantum dots. , 2012, , . | | 1 |
| 244 | Tunable Single Mode Laser Array Based on Slots. , 2013, , . | | 1 |
| 245 | Thermo-Mechanical Study of AlN Thin-Films As Heat Spreaders in III-V Photonic Devices. , 2017, , . | | 1 |
| 246 | Solvent-Engineered Stress in Nanoscale Materials. ACS Applied Materials & Interfaces, 2018, 10, 44183-44189. | 4.0 | 1 |
| 247 | Large Range Athermalisation of Multi-Section Surface Grating Lasers for DWDM-PONs. , 2021, , . | | 1 |
| 248 | Photonic Structures of Luminescent Semiconductor Nanocrystals and Spherical Microcavities. , 2009, , 653-703. | | 1 |
| 249 | Material Characterization and Thermal Performance of Au Alloys in a Thin-Film Plasmonic Waveguide. , 2019, , . | | 1 |
| 250 | Design Optimization for Semiconductor Lasers with High-Order Surface Gratings having Multiple Periods. , 2018, , . | | 1 |
| 251 | Method to measure thermal impedance for all-active lasers using the athermalisation condition. , 2022, 1, 556. | | 1 |
| 252 | The optical spectroscopy of chromium in ED-2 silicate glass. Journal of Luminescence, 1987, 39, 121-122. | 1.5 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 253 | A fluorescence-line-narrowing study of the broad porous-silicon luminescence band. Journal of Luminescence, 1993, 57, 147-151. | 1.5 | 0 |
| 254 | Small-signal modulation characteristics for 1.5 μ m lattice-matched InGaAs/GaAs and InGaAs/InP quantum well lasers. Optical and Quantum Electronics, 2004, 36, 1147-1153. | 1.5 | 0 |
| 255 | Polariton scattering processes under resonant excitation in a strongly coupled semiconductor microcavity. Semiconductor Science and Technology, 2004, 19, 1104-1112. | 1.0 | 0 |
| 256 | Linewidth enhancement factor and modulation bandwidth of lattice-matched 1.5 micron InGaAsN/GaAs quantum well lasers. , 2004, , . | | 0 |
| 257 | Two-dimensional model of self-pulsation in AlGaAs laser diodes. , 2004, , . | | 0 |
| 258 | Enhanced coupling of electronic and photonic states in a microcavity-quantum dot system. , 2005, , . | | 0 |
| 259 | All-optical sampling based on two-photon absorption in a semiconductor microcavity for high-speed OTDM. , 2005, , . | | 0 |
| 260 | Photonic molecules modes in resonantly coupled spherical microcavities with semiconductor nanocrystals. , 2005, , . | | 0 |
| 261 | Thulium doped ZBLAN fibre ring-cavity amplifier. , 2005, , . | | 0 |
| 262 | Device design of 1.3 μ m AlGaInAs-InP narrow strip structure for self-pulsation operation. , 2005, , . | | 0 |
| 263 | Three dimensional confocal microscopy of fluorescent microspheres: imaging and size determination. , 2005, , . | | 0 |
| 264 | Whispering Gallery Mode Emission from Photonic Microtubes. , 2006, , . | | 0 |
| 265 | Mode Splitting Induced by Radiation Pressure in a Spherical Microcavity. , 2007, , . | | 0 |
| 266 | Highly emissive CdTe nanowires grown in a phosphate buffer solution. , 2007, , . | | 0 |
| 267 | Measurement of the Linewidth Enhancement Factor of InGaAlAs and InGaAsP laser diodes using the Fourier Series Expansion of the Amplified Spontaneous Emission spectrum. , 2007, , . | | 0 |
| 268 | New optical cylindrical microresonators. Proceedings of SPIE, 2007, , . | 0.8 | 0 |
| 269 | Amplified spontaneous emission from a microtube cavity with whispering gallery modes. Proceedings of SPIE, 2007, , . | 0.8 | 0 |
| 270 | Highly emissive CdTe nanowires grown in a phosphate buffer solution: FLIM imaging and spectroscopic studies. Proceedings of SPIE, 2007, , . | 0.8 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 271 | Confined modes in photonic microtube structures. , 2007, , . | | 0 |
| 272 | Photonic molecules modes in resonantly coupled spherical microcavities with semiconductor nanocrystals. , 2007, , . | | 0 |
| 273 | A Novel Two-Section Tunable Slotted Fabry-Pérot Laser Exhibiting ns Wavelength Switching. , 2007, , . | | 0 |
| 274 | Mode manipulation in spherical microcavity using radiation pressure. , 2008, , . | | 0 |
| 275 | Single growth platform for integration of tuneable laser and semiconductor optical amplifier. , 2008, , . | | 0 |
| 276 | Mode manipulation in small microsphere systems. , 2008, , . | | 0 |
| 277 | Photonic molecule modes in coupled spherical microcavities with CdTe nanocrystals. , 2008, , . | | 0 |
| 278 | Polarization dependent gain in Pr ³⁺ /Yb ³⁺ doped fluoride fibre. , 2008, , . | | 0 |
| 279 | Symmetric photonic molecules formed from coupled microspheres. , 2008, , . | | 0 |
| 280 | Novel optical pulse characterization technique using sinusoidal optical phase modulation with a broad usable modulation amplitude range. , 2009, , . | | 0 |
| 281 | Low V _π high-speed GaAs travelling-wave electrooptic phase modulators using an n-i-p-n structure. , 2009, , . | | 0 |
| 282 | The full characterization of Fabry-Pérot lasers using the Fourier series expansion method. , 2011, , . | | 0 |
| 283 | An optical trap based on conical refraction of light. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 284 | Re-growth free single mode lasers based on slots suitable for photonic integration. , 2012, , . | | 0 |
| 285 | Light scattering from silicon nitride microdisks. , 2012, , . | | 0 |
| 286 | Slotted tunable laser with monolithic integrated mode coupler. , 2012, , . | | 0 |
| 287 | Integrable single mode lasers based on slots. , 2012, , . | | 0 |
| 288 | Linewidth and threshold calculations for a slotted, Fabry-Perot semiconductor laser. , 2013, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 289 | Widely-tunable five-section slotted lasers. , 2013, , . | | 0 |
| 290 | Eight-channel slotted single-mode laser array. , 2013, , . | | 0 |
| 291 | Improved performance of slotted single-mode lasers. , 2013, , . | | 0 |
| 292 | FDTD linewidth characterization for a partially slotted, high-order laser. , 2014, , . | | 0 |
| 293 | The Cartesian oval as a planar elliptical solid immersion lens. , 2014, , . | | 0 |
| 294 | Accurate relative position indicator for tracking-based position estimation system. IEICE Electronics Express, 2014, 11, 20130939-20130939. | 0.3 | 0 |
| 295 | Internal Conical Diffraction of a Top-hat Beam. , 2015, , . | | 0 |
| 296 | Anti-stokes emission in whispering gallery mode microcavities with semiconductor quantum dots. , 2015, , . | | 0 |
| 297 | Designing thin-film metamaterials by tuning effective ENZ behavior. , 2018, , . | | 0 |
| 298 | Focusing element formed by scattering structures in a planar dielectric waveguide. Optics Letters, 2018, 43, 3477. | 1.7 | 0 |
| 299 | Athermal Operation of High-Order Slotted Lasers for Communications Applications. , 2019, , . | | 0 |
| 300 | Foreward to the Special Issue on the 45th European Conference on Optical Communication (ECOC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 2.7 | 0 |
| 301 | Dynamic Entanglement and Photon Antibunching using Near-Field-Excited Quantum Emitters. , 2021, , . | | 0 |
| 302 | Octave-spanning dissipative Kerr soliton frequency comb in an AlN microring resonator. , 2021, , . | | 0 |
| 303 | Thermoreflectance Imaging of Semiconductor Lasers With a Numerical Thermal Model. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-6. | 1.9 | 0 |
| 304 | Perfect soliton crystal in an AlN microresonator. , 2021, , . | | 0 |
| 305 | COUPLED CAVITY MODES IN PHOTONIC MOLECULES WITH SEMICONDUCTOR NANOCRYSTALS. , 2005, , . | | 0 |
| 306 | ENHANCED RAMAN SCATTERING AND WHISPERING GALLERY MODE ANTI-STOKES EMISSION IN SPHERICAL MICROCAVITY WITH CdTe NANOCRYSTALS. , 2005, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|----|-----------|
| 307 | A facetless laser suitable for monolithic integration. , 2008, , . | | 0 |
| 308 | High-yield Two-Section Single Mode Lasers Based on a 37th Order Surface Grating. , 2012, , . | | 0 |
| 309 | Nine-Channel Wavelength Tunable Single Mode Laser Array Based on Slots. , 2013, , . | | 0 |
| 310 | Light Scattering from Silicon Nitride Microdisks. , 2013, , . | | 0 |
| 311 | 31nm Quasi-Continuous Tuning Single Mode Laser Array Based on Slots. , 2014, , . | | 0 |
| 312 | Improved Performance of Tunable Single Mode Laser Array Based on Non Uniformly Spaced Slots. , 2015, , . | | 0 |
| 313 | Athermal operation of a multi-section laser for optical communications. , 2017, , . | | 0 |
| 314 | CCD-based thermorefectance measurements of a multi-section slotted laser. , 2017, , . | | 0 |
| 315 | Synthesis of Millimeter-Size Freestanding Perovskite Nanofilms from Single-Crystal Lead Bromide for Optoelectronic Devices. , 2017, , . | | 0 |
| 316 | High Coupling Efficiency Adiabatic Near-field Transducer for HAMR. , 2018, , . | | 0 |
| 317 | Improved Performance & Thermal Stability in Plasmonic Films with Thinner Adhesion & Capping Layers. , 2018, , . | | 0 |
| 318 | Planar Focusing Element Based on Scattering Structures in a Dielectric Waveguide. , 2018, , . | | 0 |
| 319 | Athermal Operation of Multi-Section PIC. , 2019, , . | | 0 |
| 320 | A Comparison of Metal Adhesion Layers for Au Films in Thermo-Plasmonic Applications. , 2019, , . | | 0 |
| 321 | Demonstration of 1300 nm Directly Modulated DBR Lasers Based on V-shaped High-Order Slotted Surface-Grating. , 2020, , . | | 0 |
| 322 | Demonstration of Corrugation Pitch Modulated (CPM) DFB Lasers Based on Surface Grating and Oxide Aperture. , 2020, , . | | 0 |
| 323 | CCD-Thermorefectance Imaging of Self-Heating in 1.5 Semiconductor Laser Diodes. , 2020, , . | | 0 |
| 324 | Athermal Operation of Multi-Section Surface Grating Lasers for Applications including Burst-Mode for TWDM-PONs. , 2020, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|----|-----------|
| 325 | Multi-channel wide range athermal operation of slotted surface grating lasers for athermal DWDM. , 2022, 1, 345. | | 0 |
| 326 | Regrowth-Free 1.31 μ m Directly Modulated DBR Lasers Based on Inverted Trapezoid High-Order Surface-Gratings. , 2022, , . | | 0 |
| 327 | Elliptical Plasmonic Near-Field Transducer andV-Shape Waveguide Designs for Heat AssistedMagnetic Recording. , 0, , . | | 0 |