# A Mark Fox

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6714306/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 202 papers | 6,291 citations | 71061 41 h-index | 76872 74 g-index |
| 208 all docs | 208 docs citations | 208 times ranked | 5404 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Coherent submillimeter-wave emission from charge oscillations in a double-well potential. Physical Review Letters, 1992, 68, 2216-2219. | 2.9 | 421 |
| 2 | Two Magnetic Regimes in Doped ZnO Corresponding to a Dilute Magnetic Semiconductor and a Dilute Magnetic Insulator. Physical Review Letters, 2008, 100, 047206. | 2.9 | 322 |
| 3 | Damping of Exciton Rabi Rotations by Acoustic Phonons in Optically Excited<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>InGaAs</mml:mi><mml:mo>/</mml:mo><mml:mi>GaAs</mml:mi></mml:math>Quantum Dots. Physical Review Letters, 2010, 104, 017402. | 2.9 | 258 |
| 4 | Exciton migration inÎ²-phase poly(9,9-dioctylfluorene). Physical Review B, 2003, 67, . | 1.1 | 232 |
| 5 | Chirality of nanophotonic waveguide with embedded quantum emitter for unidirectional spin transfer. Nature Communications, 2016, 7, 11183. | 5.8 | 218 |
| 6 | Room-Temperature Magneto-Optics of Ferromagnetic Transition-Metal-Doped ZnO Thin Films. Physical Review Letters, 2006, 96, 197208. | 2.9 | 201 |
| 7 | High Purcell factor generation of indistinguishable on-chip single photons. Nature Nanotechnology, 2018, 13, 835-840. | 15.6 | 178 |
| 8 | Phonon-Induced Rabi-Frequency Renormalization of Optically Driven Single<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>InGaAs</mml:mi><mml:mo>/</mml:mo><mml:mi>GaAs</mml:mi></mml:math>Quantum Dots. Physical Review Letters, 2010, 105, 177402. | 2.9 | 172 |
| 9 | Carrier-induced ferromagnetism in n-type ZnMnAlO and ZnCoAlO thin films at room temperature. New Journal of Physics, 2006, 8, 135-135. | 1.2 | 140 |
| 10 | Fast Optical Preparation, Control, and Readout of a Single Quantum Dot Spin. Physical Review Letters, 2008, 100, 197401. | 2.9 | 133 |
| 11 | Phonon-Assisted Population Inversion of a Single<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>InGaAs</mml:mi><mml:mo>/</mml:mo><mml:mi>GaAs</mml:mi></mml:mrow></mml:math>Q Dot by Pulsed Laser Excitation. Physical Review Letters, 2015, 114, 137401. | 2.9 | 124 |
| 12 | Interfacing Spins in an InGaAs Quantum Dot to a Semiconductor Waveguide Circuit Using Emitted Photons. Physical Review Letters, 2013, 110, 037402. | 2.9 | 119 |
| 13 | Excitonic effects in coupled quantum wells. Physical Review B, 1991, 44, 6231-6242. | 1.1 | 107 |
| 14 | Mode structure of the L3 photonic crystal cavity. Applied Physics Letters, 2007, 90, 241117. | 1.5 | 99 |
| 15 | Fast escape of photocreated carriers out of shallow quantum wells. Applied Physics Letters, 1991, 59, 66-68. | 1.5 | 97 |
| 16 | Coherent Optical Control of the Spin of a Single Hole in an<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>InAs</mml:mi><mml:mo>/</mml:mo><mml:mi>GaAs</mml:mi></mml:math>Quantum Dot. Physical Review Letters, 2012, 108, 017402. | 2.9 | 96 |
| 17 | Experimental study of light emission from strongly coupled organic semiconductor microcavities following nonresonant laser excitation. Physical Review B, 2002, 65, . | 1.1 | 93 |
| 18 | Resonantly enhanced electron tunneling rates in quantum wells. Physical Review Letters, 1989, 63, 438-441. | 2.9 | 88 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 33 ps optical switching of symmetric selfâ€electroâ€optic effect devices. Applied Physics Letters, 1990, 57, 1843-1845. | 1.5 | 86 |
| 20 | Chiral topological photonics with an embedded quantum emitter. Optica, 2020, 7, 1690. | 4.8 | 86 |
| 21 | Effect of thermal annealing and strain engineering on the fine structure of quantum dot excitons. Physical Review B, 2004, 70, . | 1.1 | 78 |
| 22 | Ultrafast nonlinear response of AlGaAs two-dimensional photonic crystal waveguides. Applied Physics Letters, 2003, 83, 851-853. | 1.5 | 76 |
| 23 | Dynamics of Coherent and Incoherent Spin Polarizations in Ensembles of Quantum Dots. Physical Review Letters, 2004, 93, 057401. | 2.9 | 76 |
| 24 | Waveguide Coupled Resonance Fluorescence from On-Chip Quantum Emitter. Nano Letters, 2014, 14, 6997-7002. | 4.5 | 75 |
| 25 | Mapping the Fluorescence Decay Lifetime of a Conjugated Polymer in a Phase-Separated Blend Using a Scanning Near-Field Optical Microscope. Nano Letters, 2005, 5, 2232-2237. | 4.5 | 68 |
| 26 | Highly Circularly Polarized Photoluminescence over a Broad Spectral Range from a Calamitic, Hole-Transporting, Chiral Nematic Glass and from an Indirectly Excited Dye. Advanced Materials, 2003, 15, 1555-1558. | 11.1 | 65 |
| 27 | Squeezed Light Generation in Semiconductors. Physical Review Letters, 1995, 74, 1728-1731. | 2.9 | 64 |
| 28 | Efficient energy transfer in organic thin filmsâ€"implications for organic lasers. Journal of Applied Physics, 2002, 92, 6367-6371. | 1.1 | 63 |
| 29 | Exciton saturation in electrically biased quantum wells. Applied Physics Letters, 1990, 57, 2315-2317. | 1.5 | 54 |
| 30 | Two-qubit conditional quantum-logic operation in a single self-assembled quantum dot. Physical Review B, 2008, 78, . | 1.1 | 53 |
| 31 | X-ray absorption fine structure and magnetization characterization of the metallic Co component in Co-doped ZnO thin films. Physical Review B, 2009, 79, . | 1.1 | 53 |
| 32 | Mode structure of coupled L3 photonic crystal cavities. Optics Express, 2011, 19, 5670. | 1.7 | 50 |
| 33 | Imaging the Fluorescence Decay Lifetime of a Conjugated-Polymer Blend By Using a Scanning Near-Field Optical Microscope. Advanced Materials, 2007, 19, 107-111. | 11.1 | 49 |
| 34 | Controlled FÃ¶rster energy transfer in emissive polymer Langmuir-Blodgett structures. Physical Review B, 2004, 69, . | 1.1 | 48 |
| 35 | Mechanical alloying: a route to room-temperature Ferromagnetism in bulk <mml:math altimg="si20.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" | 1.0 | 47 |
| 36 | Time Evolution of the Screening of Piezoelectric Fields in InGaN Quantum Wells. IEEE Journal of Quantum Electronics, 2006, 42, 1202-1208. | 1.0 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Monolithic integration of a quantum emitter with a compact on-chip beam-splitter. Applied Physics Letters, 2014, 104, . | 1.5 | 47 |
| 38 | Excitons in resonant coupling of quantum wells. Physical Review B, 1990, 42, 1841-1844. | 1.1 | 46 |
| 39 | Beating of Exciton-Dressed States in a Single Semiconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>InGaAs</mml:mi><mml:mo>/</mml:mo><mml:mi>GaAs</mml:mi></mml:math>Quantum Dot. Physical Review Letters, 2009, 102, 207401. | 2.9 | 44 |
| 40 | Donor-band ferromagnetism in cobalt-doped indium oxide. Physical Review B, 2011, 84, . | 1.1 | 42 |
| 41 | Restoring mode degeneracy in H1 photonic crystal cavities by uniaxial strain tuning. Applied Physics Letters, 2012, 100, . | 1.5 | 42 |
| 42 | Polarized quantum dot emission from photonic crystal nanocavities studied under moderesonant enhanced excitation. Optics Express, 2007, 15, 17221. | 1.7 | 41 |
| 43 | Control of polarized single quantum dot emission in high-quality-factor microcavity pillars. Applied Physics Letters, 2006, 88, 051113. | 1.5 | 40 |
| 44 | Suppression of the observation of Stark ladders in optical measurements on superlattices by excitonic effects. Physical Review B, 1992, 46, 15365-15376. | 1.1 | 37 |
| 45 | Whispering gallery resonances in semiconductor micropillars. Applied Physics Letters, 2007, 91, 071115. | 1.5 | 37 |
| 46 | Model for Energy Transfer in Polymer/Dye Blends Based on Pointâ^'Surface Dipole Interaction. Chemistry of Materials, 2004, 16, 4705-4710. | 3.2 | 36 |
| 47 | Bright single photon emitters with enhanced quantum efficiency in a two-dimensional semiconductor coupled with dielectric nano-antennas. Nature Communications, 2021, 12, 6063. | 5.8 | 36 |
| 48 | Nonlinear excitonic optical absorption in GaInAs/InP quantum wells. Applied Physics Letters, 1987, 51, 30-32. | 1.5 | 35 |
| 49 | Dependence of carrier localization in InGaNâ^•GaN multiple-quantum wells on well thickness. Applied Physics Letters, 2006, 89, 253120. | 1.5 | 35 |
| 50 | Spontaneous Emission Control in Micropillar Cavities Containing a Fluorescent Molecular Dye. Advanced Materials, 2006, 18, 742-747. | 11.1 | 34 |
| 51 | Fast preparation of a single-hole spin in an InAs/GaAs quantum dot in a Voigt-geometry magnetic field. Physical Review B, 2012, 85, . | 1.1 | 34 |
| 52 | IIIâ€“V quantum light source and cavity-QED on Silicon. Scientific Reports, 2013, 3, 1239. | 1.6 | 33 |
| 53 | Inversion recovery of single quantum-dot exciton based qubit. Physical Review B, 2007, 75, . | 1.1 | 32 |
| 54 | Enhancement of room temperature ferromagnetism of Fe-doped ZnO epitaxial thin films with Al co-doping. Journal of Magnetism and Magnetic Materials, 2011, 323, 1033-1039. | 1.0 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Optical detection of resonant tunnelling of electrons in quantum wells. Semiconductor Science and Technology, 1990, 5, 549-556. | 1.0 | 30 |
| 56 | Carrier escape mechanisms from GaAs/AlxGa1â^'xAs multiple quantum wells in an electric field. Applied Physics Letters, 1993, 63, 2917-2919. | 1.5 | 30 |
| 57 | Fast high fidelity hole spin initialization in a single InGaAs quantum dot. Applied Physics Letters, 2010, 97, 061113. | 1.5 | 30 |
| 58 | Tunable Photon Statistics Exploiting the Fano Effect in a Waveguide. Physical Review Letters, 2019, 122, 173603. | 2.9 | 30 |
| 59 | Optical studies of excitons in Ga0.47In0.53As/InP multiple quantum wells. Applied Physics Letters, 1987, 50, 839-841. | 1.5 | 28 |
| 60 | Optical control of the emission direction of a quantum dot. Applied Physics Letters, 2013, 103, . | 1.5 | 28 |
| 61 | Photon Statistics of Filtered Resonance Fluorescence. Physical Review Letters, 2020, 125, 043603. | 2.9 | 28 |
| 62 | Optoelectronics in quantum well structures. Contemporary Physics, 1996, 37, 111-125. | 0.8 | 27 |
| 63 | Dynamics of FÃ¶rster transfer in polyfluorene-based polymer blends and Langmuirâ€“Blodgett nanostructures. Synthetic Metals, 2003, 139, 787-790. | 2.1 | 27 |
| 64 | Light Scattering from Solid-State Quantum Emitters: Beyond the Atomic Picture. Physical Review Letters, 2019, 123, 167403. | 2.9 | 26 |
| 65 | Role of electrorefraction in quantumâ€well Fabryâ€“Perot modulators. Applied Physics Letters, 1992, 60, 1418-1420. | 1.5 | 25 |
| 66 | Influence of GaN barrier growth temperature on the photoluminescence of InGaN/GaN heterostructures. Journal Physics D: Applied Physics, 2002, 35, 599-603. | 1.3 | 25 |
| 67 | Quantum key distribution system in standard telecommunications fiber using a short wavelength single photon source. Journal of Applied Physics, 2010, 107, . | 1.1 | 25 |
| 68 | The structure, optical and magnetic properties of arsenic implanted ZnO films prepared by molecular beam epitaxy. Materials Letters, 2016, 171, 121-124. | 1.3 | 25 |
| 69 | Extremely large d<sup>0</sup> magnetism in krypton implanted polar ZnO films. Journal of Materials Chemistry C, 2019, 7, 1138-1145. | 2.7 | 25 |
| 70 | High Q modes in elliptical microcavity pillars. Applied Physics Letters, 2007, 90, 161105. | 1.5 | 24 |
| 71 | Single molecule spectroscopy of red- and green-emitting fluorene-based copolymers. Journal of Chemical Physics, 2009, 130, 044903. | 1.2 | 23 |
| 72 | Magneto-optic studies of magnetic oxides. Journal of Magnetism and Magnetic Materials, 2012, 324, 3422-3426. | 1.0 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Waveguide-coupled photonic crystal cavity for quantum dot spin readout. Optics Express, 2014, 22, 2376. | 1.7 | 23 |
| 74 | Picosecond relaxation mechanisms in highly excited GaInAsP. Journal of Applied Physics, 1989, 65, 4287-4298. | 1.1 | 21 |
| 75 | Splitting and lasing of whispering gallery modes in quantum dot micropillars. Optics Express, 2010, 18, 22578. | 1.7 | 21 |
| 76 | On-chip electrically controlled routing of photons from a single quantum dot. Applied Physics Letters, 2015, 106, . | 1.5 | 21 |
| 77 | Effect of detuning on the phonon induced dephasing of optically driven InGaAs/GaAs quantum dots. Journal of Applied Physics, 2011, 109, 102415. | 1.1 | 20 |
| 78 | Path-dependent initialization of a single quantum dot exciton spin in a nanophotonic waveguide. Physical Review B, 2017, 95, . | 1.1 | 20 |
| 79 | Electrical control of nonlinear quantum optics in a nano-photonic waveguide. Optica, 2018, 5, 644. | 4.8 | 20 |
| 80 | High-fidelity initialization of long-lived quantum dot hole spin qubits by reduced fine-structure splitting. Physical Review B, 2015, 92, . | 1.1 | 19 |
| 81 | On-chip interference of single photons from an embedded quantum dot and an external laser. Applied Physics Letters, 2016, 108, . | 1.5 | 19 |
| 82 | Nonreciprocal Transmission and Reflection of a Chirally Coupled Quantum Dot. Nano Letters, 2018, 18, 5475-5481. | 4.5 | 19 |
| 83 | Role ofï‡(3)anisotropy in the generation of squeezed light in semiconductors. Physical Review B, 1996, 53, 4479-4487. | 1.1 | 17 |
| 84 | Carrier dynamics in short wavelength self-assembled InAs/Al0.6Ga0.4As quantum dots with indirect barriers. Journal of Applied Physics, 2003, 93, 3524-3528. | 1.1 | 17 |
| 85 | Unpolarized H1 photonic crystal nanocavities fabricated by stretched lattice design. Applied Physics Letters, 2011, 98, . | 1.5 | 17 |
| 86 | Langmuir and Langmuirâ€“Blodgett (LB) film properties of poly(9,9-dioctylfluorene). Materials Science and Engineering C, 2003, 23, 541-544. | 3.8 | 16 |
| 87 | Single photon sources based upon single quantum dots in semiconductor microcavity pillars. Journal of Modern Optics, 2007, 54, 453-465. | 0.6 | 16 |
| 88 | Ultrafast all-optical switching in AlGaAs photonic crystal waveguide interferometers. Applied Physics Letters, 2009, 95, 141108. | 1.5 | 16 |
| 89 | Surface-polarity-dependent ferromagnetism in arsenic-implanted ZnO films prepared by MBE. Materials Letters, 2015, 144, 12-14. | 1.3 | 16 |
| 90 | Optical investigation of InGaNâˆ•GaN multiple-quantum wellsunder high excitation. Applied Physics Letters, 2004, 84, 5159-5161. | 1.5 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Coherent response of a quantum dot exciton driven by a rectangular spectrum optical pulse. Physical Review B, 2007, 75, . | 1.1 | 15 |
| 92 | Mapping exciton quenching in photovoltaic-applicable polymer blends using time-resolved scanning near-field optical microscopy. Journal of Applied Physics, 2008, 103, . | 1.1 | 15 |
| 93 | Ultrafast depopulation of a quantum dot by LA-phonon-assisted stimulated emission. Physical Review B, 2016, 93, . | 1.1 | 15 |
| 94 | Femtosecond studies of electron capture times in InGaN/GaN multiple quantum wells. Applied Physics Letters, 2004, 84, 3052-3054. | 1.5 | 14 |
| 95 | Control of polarization and mode mapping of small volume high Q micropillars. Journal of Applied Physics, 2007, 102, 043105. | 1.1 | 14 |
| 96 | Disorder-limited photon propagation and Anderson-localization in photonic crystal waveguides. Applied Physics Letters, 2012, 101, 051116. | 1.5 | 14 |
| 97 | Quantum Wells, Superlattices, and Band-Gap Engineering. Springer Handbooks, 2017, , 1-1. | 0.3 | 14 |
| 98 | Femtosecond quadrature-squeezed light generation in CdSe at 155??Âμm. Optics Letters, 1998, 23, 712. | 1.7 | 13 |
| 99 | Control of spontaneous emission from InP single quantum dots in GaInP photonic crystal nanocavities. Applied Physics Letters, 2010, 97, 181104. | 1.5 | 13 |
| 100 | Tuning Nonlinear Mechanical Mode Coupling in GaAs Nanowires Using Cross-Section Morphology Control. Nano Letters, 2016, 16, 7414-7420. | 4.5 | 13 |
| 101 | Ultrafast nonlinear tuning of the reflection properties of AlGaAs photonic crystal waveguides by two-photon absorption. Journal of Applied Physics, 2004, 96, 4729-4734. | 1.1 | 12 |
| 102 | Magnetoresistance of magnetically doped ZnO films. Journal of Physics Condensed Matter, 2009, 21, 346001. | 0.7 | 12 |
| 103 | Two-color two-photon Rabi oscillation of biexciton in single InAs/GaAs quantum dot. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2485-2488. | 1.3 | 12 |
| 104 | Magnetic properties ofIn2O3containingFe3O4nanoparticles. Physical Review B, 2014, 90, . | 1.1 | 12 |
| 105 | Nonlinear optical absorption in bulk GaInAs/InP at room temperature. Applied Physics Letters, 1987, 50, 398-400. | 1.5 | 11 |
| 106 | Detection of terahertz radiation by hot electron effects in coupled quantum well photodiodes. Applied Physics Letters, 1996, 69, 3569-3571. | 1.5 | 11 |
| 107 | Intersubband transitions in GaAs coupled-quantum-wells for use as a tunable detector at THz frequencies. Applied Physics Letters, 2000, 76, 1579-1581. | 1.5 | 11 |
| 108 | Propagation of ultrashort nonlinear pulses through two-dimensional AlGaAs high-contrast photonic crystal waveguides. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 716. | 0.9 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Asymmetry tuning of Fano resonances in GaAs photonic crystal cavities. Applied Physics Letters, 2013, 102, . | 1.5 | 11 |
| 110 | Carrier capture times in InGaN/GaN multiple quantum wells. Physica Status Solidi (B): Basic Research, 2003, 240, 364-367. | 0.7 | 10 |
| 111 | Time-resolved photoluminescence studies of carrier diffusion in GaN. Applied Physics Letters, 2006, 89, 072107. | 1.5 | 10 |
| 112 | Enhanced all-optical tuning of leaky eigenmodes in photonic crystal waveguides. Optics Letters, 2006, 31, 2284. | 1.7 | 10 |
| 113 | Resolution of discrete excited states inInxGa1âˆ'xNmultiple quantum wells using degenerate four-wave mixing. Physical Review B, 2006, 73, . | 1.1 | 10 |
| 114 | Control of the nonlinear carrier response time of AlGaAs photonic crystal waveguides by sample design. Applied Physics Letters, 2006, 88, 141104. | 1.5 | 10 |
| 115 | Single-photon electroluminescence for on-chip quantum networks. Applied Physics Letters, 2016, 109, . | 1.5 | 10 |
| 116 | Evaluation of GaAs/Al0.3Ga0.7As multiple-quantum-well waveguides for pulsed squeezed light generation. Physical Review A, 1994, 50, 4415-4418. | 1.0 | 9 |
| 117 | Magneto-optical and transport studies of ZnO-based dilute magnetic semiconductors. Journal of Magnetism and Magnetic Materials, 2007, 310, 2158-2160. | 1.0 | 9 |
| 118 | Temperature dependent carrier induced ferromagnetism in Zn(Fe)O and Zn(FeAl)O thin films. Applied Surface Science, 2010, 257, 381-387. | 3.1 | 9 |
| 119 | Contrasting behavior of the structural and magnetic properties in Mn- and Fe-doped In2O3 films. APL Materials, 2013, 1, . | 2.2 | 9 |
| 120 | Enhanced magnetic properties in ZnCoAlO caused by exchange-coupling to Co nanoparticles. New Journal of Physics, 2016, 18, 113040. | 1.2 | 9 |
| 121 | Advantageous use of metallic cobalt in the target for pulsed laser deposition of cobalt-doped ZnO films. Applied Physics Letters, 2016, 109, . | 1.5 | 9 |
| 122 | Dynamic vibronic coupling in InGaAs quantum dots [Invited]. Journal of the Optical Society of America B: Optical Physics, 2016, 33, C115. | 0.9 | 9 |
| 123 | Growth of high quality yttrium iron garnet films using standard pulsed laser deposition technique. Journal of Magnetism and Magnetic Materials, 2018, 453, 254-257. | 1.0 | 9 |
| 124 | Domain bistability in photoexcited GaAs multiple quantum wells. Physical Review B, 2000, 61, 12647-12650. | 1.1 | 8 |
| 125 | Ultrafast measurements of vibrational relaxation in the conjugated polymer poly(9,9-dioctylfluorene). Applied Physics Letters, 2004, 85, 3080-3082. | 1.5 | 8 |
| 126 | Study of stimulated emission from InGaN/GaN multiple quantum well structures. Journal of Crystal Growth, 2004, 273, 48-53. | 0.7 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Focused ion beam etching for the fabrication of micropillar microcavities made of III-V semiconductor materials. Journal of Vacuum Science & Technology B, 2007, 25, 1197. | 1.3 | 8 |
| 128 | Magneto-optical properties of Co/ZnO multilayer films. Journal of Physics: Conference Series, 2010, 200, 062024. | 0.3 | 8 |
| 129 | Nonlinear excitonic optical absorption in GaSb. Applied Physics Letters, 1987, 51, 430-432. | 1.5 | 7 |
| 130 | Photocurrent self-oscillations in a spatially direct GaAs/AlGaAs superlattice. Applied Physics Letters, 1999, 75, 2067-2069. | 1.5 | 7 |
| 131 | Precise measurement of the fraction of charged dots in self-assembled quantum dot ensembles using ultrafast pump-probe techniques. Applied Physics Letters, 2004, 85, 2226-2228. | 1.5 | 7 |
| 132 | Magneto-optical study of the Verwey transition in magnetite. Journal of Magnetism and Magnetic Materials, 2007, 310, e246-e248. | 1.0 | 7 |
| 133 | Quantum Wells, Superlattices, and Band-Gap Engineering. , 2006, , 1021-1040. | | 7 |
| 134 | Quadrature squeezed light generation by cross-phase modulation in semiconductors. Optics Letters, 1995, 20, 2523. | 1.7 | 6 |
| 135 | Polarisation control and emission enhancement of a quantum dot in ultra-high finesse microcavity pillars. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 500-503. | 1.3 | 6 |
| 136 | Phonon satellites and time-resolved studies of carrier recombination dynamics in InGaN quantum wells. Superlattices and Microstructures, 2007, 41, 419-424. | 1.4 | 6 |
| 137 | Magnetic and optical properties of multiferroic GdMnO3film. Journal of Physics: Conference Series, 2012, 391, 012083. | 0.3 | 6 |
| 138 | Optical studies of resonant and non-resonant tunnelling in GaAs/AlxGa1-xAs quantum wells. Semiconductor Science and Technology, 1994, 9, 545-548. | 1.0 | 5 |
| 139 | Intensity noise in quantum-dot laser diodes. Applied Physics Letters, 2001, 78, 3577-3579. | 1.5 | 5 |
| 140 | The time-resolved spectroscopy of InGaAs/AlGaAs heterostructures with asymmetric funnel-shape quantum wells for near- and mid-IR lasing. Semiconductor Science and Technology, 2004, 19, S273-S275. | 1.0 | 5 |
| 141 | Improved photon-number squeezing in light-emitting diodes. Journal of Modern Optics, 1998, 45, 1147-1153. | 0.6 | 4 |
| 142 | Time-resolved measurements and spatial photoluminescence distribution in InAs/AlGaAs quantum dots. Microelectronics Journal, 2003, 34, 747-749. | 1.1 | 4 |
| 143 | Picosecond carrier dynamics in AlInGaN multiple quantum wells. Applied Physics Letters, 2005, 87, 232106. | 1.5 | 4 |
| 144 | Enhanced photocurrent readout for a quantum dot qubit by bias modulation. Applied Physics Letters, 2013, 102, 181108. | 1.5 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Grain boundary ferromagnetism in vanadium-doped In <sub>2</sub> O <sub>3</sub> thin films. Europhysics Letters, 2013, 103, 67007. | 0.7 | 4 |
| 146 | Investigation of the distribution of localised and extended states in amorphous MoOx. AIP Advances, 2018, 8, . | 0.6 | 4 |
| 147 | Relevance of the Preparation of the Target for PLD on the Magnetic Properties of Films of Iron-Doped Indium Oxide. Coatings, 2019, 9, 381. | 1.2 | 4 |
| 148 | Semiconductors put the squeeze on light. Physics World, 1996, 9, 40-46. | 0.0 | 3 |
| 149 | Photon-number squeezing in a free-running quantum-well laser operating at 980 nm. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, 129-133. | 1.4 | 3 |
| 150 | Ultrafast nonlinear response of AlGaAs/InAlGaAs MQW photonic crystal waveguides. Physica Status Solidi A, 2005, 202, 2653-2656. | 1.7 | 3 |
| 151 | ZnO gap states investigated using magnetic circular dichroism. Journal Physics D: Applied Physics, 2015, 48, 255502. | 1.3 | 3 |
| 152 | Dynamics of stimulated emission in InAs quantum-dot laser structures measured in pump-probe experiments. Applied Physics Letters, 2002, 81, 4118-4120. | 1.5 | 2 |
| 153 | Carrier dynamics in red-emitting self-organised InAsâ€“AlGaAs quantum dots with indirect barriers. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 109-110. | 1.3 | 2 |
| 154 | Photon-number squeezing in visible-spectrum light-emitting diodes. Electronics Letters, 2003, 39, 110. | 0.5 | 2 |
| 155 | Excitonic spin lifetimes in InGaN quantum wells and epilayers. Journal of Applied Physics, 2008, 104, 053523. | 1.1 | 2 |
| 156 | Towards coherent optical control of a single hole spin: Rabi rotation of a trion conditional on the spin state of the hole. Solid State Communications, 2009, 149, 1458-1465. | 0.9 | 2 |
| 157 | Inversion recovery measurements of exciton fine-structure beats in a single quantum dot. Journal of Physics: Conference Series, 2010, 245, 012010. | 0.3 | 2 |
| 158 | Optical Detection of Resonant Tunneling: Measurement of Tunneling Times and Resonant Fields. NATO ASI Series Series B: Physics, 1991, , 331-339. | 0.2 | 2 |
| 159 | Detection of Intersubband Transitions in Gallium Arsenide Coupled Quantum Wells by Hot Electron Effects. Physica Status Solidi (B): Basic Research, 1997, 204, 166-169. | 0.7 | 1 |
| 160 | Time evolution of piezoelectic field screening in InGaN quantum wells. , 2005, , . | | 1 |
| 161 | Fast spin relaxation in InGaN/GaN multiple quantum wells. Physica Status Solidi (B): Basic Research, 2006, 243, 1643-1646. | 0.7 | 1 |
| 162 | Experiments Versus Modelling in Quantum Dot Pillar Microcavities. , 2006, , . | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Ultrafast reflectivity modulation inAlxGa1â^'xAsâ^•InyAlxGa1â^'xâ^'yAsmultiple quantum well photonic crystal waveguides. Physical Review B, 2006, 74, . | 1.1 | 1 |
| 164 | Electron tunnelling limited coherence time of single quantum dot photodiode based qubit. , 2007, , . | | 1 |
| 165 | Twoâ€colour photocurrent detection technique for coherent control of a single InGaAs/GaAs quantum dot. Physica Status Solidi (B): Basic Research, 2009, 246, 824-827. | 0.7 | 1 |
| 166 | Using Magnetic and Optical Methods to Determine the Size and Characteristics of Nanoparticles Embedded in Oxide Semiconductors. IEEE Transactions on Magnetics, 2010, 46, 1784-1786. | 1.2 | 1 |
| 167 | Fano Resonance in GaAs 2D Photonic Crystal Nanocavities. AIP Conference Proceedings, 2011, , . | 0.3 | 1 |
| 168 | Competing magnetic effects due to the incorporation of oxygen in thin films of (ZnCo)O. RSC Advances, 2019, 9, 38001-38010. | 1.7 | 1 |
| 169 | Improved photon-number squeezing in light-emitting diodes. Journal of Modern Optics, 1998, 45, 1147-1153. | 0.6 | 1 |
| 170 | Intensity damping of Rabi-oscillations and renormalization of the Rabi frequency in InGaAs/GaAs quantum dots. , 2011, , . | | 1 |
| 171 | Ultrafast Manipulation of Excitons and Spins in Quantum Dots. Nano-optics and Nanophotonics, 2017, , 325-357. | 0.2 | 1 |
| 172 | Generation of Non-Classical Light by Four-Wave Mixing in Semiconductors. Journal of Nonlinear Optical Physics and Materials, 1998, 07, 167-180. | 1.1 | 0 |
| 173 | Reflection and emission of Brillouin zone edge states for active photonic crystal waveguides. Journal of Optics, 2005, 7, S270-S275. | 1.5 | 0 |
| 174 | Stimulated emission and carrier dynamics in AlInGaN multi-quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1958-1961. | 0.8 | 0 |
| 175 | Coherent control of single quantum dot exciton embedded in a photodiode. Journal of Modern Optics, 2007, 54, 1717-1722. | 0.6 | 0 |
| 176 | Room Temperature Magneto-optics Of Ferromagnetic ZnO Doped With Transition Metals And Aluminum. AIP Conference Proceedings, 2007, , . | 0.3 | 0 |
| 177 | Whispering gallery modes in quantum dot micropillar cavities. , 2008, , . | | 0 |
| 178 | Splitting and lasing of whispering gallery modes in quantum dot micropillars. , 2011, , . | | 0 |
| 179 | Purcell-enhanced single-photon emission from an InP quantum dot coupled to GaInP photonic crystal nanocavity. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 180 | Coherent optical control a single hole spin in a quantum dot. , 2012, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Planar Waveguide Architecture for the Implementation of a Network of Optically Controlled Quantum Dot Spin Qubits. , 2012, , . | | 0 |
| 182 | Coherent control of quantum dot excitons using ultra-fast optical techniques: the role of acoustic phonons. , 0, , 103-117. | | 0 |
| 183 | An on-chip cross-waveguide QD spin-photon interface and its applications. , 2013, , . | | 0 |
| 184 | GaAs integrated quantum photonic circuits. , 2014, , . | | 0 |
| 185 | Feature issue introduction: material platforms and experimental approaches for quantum nanophotonics. Optical Materials Express, 2017, 7, 651. | 1.6 | 0 |
| 186 | On-Chip Quantum Photonics Using Integrated Quantum Dot Emitters. , 2018, , . | | 0 |
| 187 | Chiral Quantum Photonics in Semiconductor Nano-Photonic Waveguides. , 2019, , . | | 0 |
| 188 | Indistinguishable On-Chip Single-Photon Sources. , 2019, , . | | 0 |
| 189 | Photon Statistics of Filtered Quantum Dot Resonance Fluorescence. , 2021, , . | | 0 |
| 190 | Observation of Whispering Gallery Resonances in Circular and Elliptical Semiconductor Pillar Microcavities. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2007, 3, 311-314. | 0.4 | 0 |
| 191 | Magneto-Optical Properties of Co-doped TiO2 Thin Films Grown by Pulsed Laser Deposition. AIP Conference Proceedings, 2007, , . | 0.3 | 0 |
| 192 | Fast Optical Preparation, Control, and Detection of a Single Hole Spin in a Quantum Dot. , 2008, , . | | 0 |
| 193 | Controlled Rotation (C-ROT) Gate in a Single Self- Assembled Quantum Dot. , 2008, , . | | 0 |
| 194 | Picosecond Coherent Control of Dressed States in a Single Quantum Dot. , 2009, , . | | 0 |
| 195 | Monolithic Integration of Quantum Emitter with On-chip Beam-splitter for Quantum Information Processing. , 2014, , . | | 0 |
| 196 | Squeezed Light Generation by Four-Wave Mixing in Semiconductors. , 1996, , 507-516. | | 0 |
| 197 | Phonon-Assisted Population Inversion of a Single Quantum Dot. , 2015, , . | | 0 |
| 198 | Fast High-Fidelity Hole Spin Initialisation in a Single Quantum Dot at Zero Magnetic Field. , 2015, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Bright and Coherent On-Chip Single Photons from a Very High Purcell Factor Photonic Crystal Cavity. , 2017, , . | | 0 |
| 200 | Photon Statistics of Filtered Quantum Dot Resonance Fluorescence. , 2020, , . | | 0 |
| 201 | Coherent scattering from quantum dots: beyond the atomic picture. , 2020, , . | | 0 |
| 202 | Organic-Based Micropillar Structure Fabrication by Advanced Focused Ion Beam Milling Techniques. Springer Proceedings in Physics, 2008, , 449-452. | 0.1 | 0 |