

A Mark Fox

List of Publications by Year in descending order

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202
papers

6,291
citations

71061

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74
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208
all docs

208
docs citations

208
times ranked

5404
citing authors

#	ARTICLE	IF	CITATIONS
1	Photon Statistics of Filtered Quantum Dot Resonance Fluorescence. , 2021, , .		0
2	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
3	Photon Statistics of Filtered Resonance Fluorescence. Physical Review Letters, 2020, 125, 043603.	2.9	28
4	Chiral topological photonics with an embedded quantum emitter. Optica, 2020, 7, 1690.	4.8	86
5	Photon Statistics of Filtered Quantum Dot Resonance Fluorescence. , 2020, , .		0
6	Coherent scattering from quantum dots: beyond the atomic picture. , 2020, , .		0
7	Light Scattering from Solid-State Quantum Emitters: Beyond the Atomic Picture. Physical Review Letters, 2019, 123, 167403.	2.9	26
8	Extremely large d_{eff} magnetism in krypton implanted polar ZnO films. Journal of Materials Chemistry C, 2019, 7, 1138-1145.	2.7	25
9	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
10	Tunable Photon Statistics Exploiting the Fano Effect in a Waveguide. Physical Review Letters, 2019, 122, 173603.	2.9	30
11	Chiral Quantum Photonics in Semiconductor Nano-Photonic Waveguides. , 2019, , .		0
12	Indistinguishable On-Chip Single-Photon Sources. , 2019, , .		0
13	Competing magnetic effects due to the incorporation of oxygen in thin films of (ZnCo)O. RSC Advances, 2019, 9, 38001-38010.	1.7	1
14	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
15	On-Chip Quantum Photonics Using Integrated Quantum Dot Emitters. , 2018, , .		0
16	Electrical control of nonlinear quantum optics in a nano-photonic waveguide. Optica, 2018, 5, 644.	4.8	20
17	High Purcell factor generation of indistinguishable on-chip single photons. Nature Nanotechnology, 2018, 13, 835-840.	15.6	178
18	Nonreciprocal Transmission and Reflection of a Chirally Coupled Quantum Dot. Nano Letters, 2018, 18, 5475-5481.	4.5	19

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19	Investigation of the distribution of localised and extended states in amorphous MoOx. AIP Advances, 2018, 8, .	0.6	4
20	Path-dependent initialization of a single quantum dot exciton spin in a nanophotonic waveguide. Physical Review B, 2017, 95, .	1.1	20
21	Quantum Wells, Superlattices, and Band-Gap Engineering. Springer Handbooks, 2017, , 1-1.	0.3	14
22	Feature issue introduction: material platforms and experimental approaches for quantum nanophotonics. Optical Materials Express, 2017, 7, 651.	1.6	0
23	Bright and Coherent On-Chip Single Photons from a Very High Purcell Factor Photonic Crystal Cavity. , 2017, , .		0
24	Ultrafast Manipulation of Excitons and Spins in Quantum Dots. Nano-optics and Nanophotonics, 2017, , 325-357.	0.2	1
25	On-chip interference of single photons from an embedded quantum dot and an external laser. Applied Physics Letters, 2016, 108, .	1.5	19
26	Enhanced magnetic properties in ZnCoAlO caused by exchange-coupling to Co nanoparticles. New Journal of Physics, 2016, 18, 113040.	1.2	9
27	Single-photon electroluminescence for on-chip quantum networks. Applied Physics Letters, 2016, 109, .	1.5	10
28	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
29	Dynamic vibronic coupling in InGaAs quantum dots [Invited]. Journal of the Optical Society of America B: Optical Physics, 2016, 33, C115.	0.9	9
30	Ultrafast depopulation of a quantum dot by LA-phonon-assisted stimulated emission. Physical Review B, 2016, 93, .	1.1	15
31	Tuning Nonlinear Mechanical Mode Coupling in GaAs Nanowires Using Cross-Section Morphology Control. Nano Letters, 2016, 16, 7414-7420.	4.5	13
32	Chirality of nanophotonic waveguide with embedded quantum emitter for unidirectional spin transfer. Nature Communications, 2016, 7, 11183.	5.8	218
33	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
34	High-fidelity initialization of long-lived quantum dot hole spin qubits by reduced fine-structure splitting. Physical Review B, 2015, 92, .	1.1	19
35	On-chip electrically controlled routing of photons from a single quantum dot. Applied Physics Letters, 2015, 106, .	1.5	21
36	Phonon-Assisted Population Inversion of a Single $\text{InGaAs/GaAs Quantum Dot by Pulsed Laser Excitation. Physical Review Letters, 2015, 114, 137401.}$	2.9	124

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37	ZnO gap states investigated using magnetic circular dichroism. Journal Physics D: Applied Physics, 2015, 48, 255502.	1.3	3
38	Surface-polarity-dependent ferromagnetism in arsenic-implanted ZnO films prepared by MBE. Materials Letters, 2015, 144, 12-14.	1.3	16
39	Phonon-Assisted Population Inversion of a Single Quantum Dot. , 2015, , .		0
40	Fast High-Fidelity Hole Spin Initialisation in a Single Quantum Dot at Zero Magnetic Field. , 2015, , .		0
41	Waveguide-coupled photonic crystal cavity for quantum dot spin readout. Optics Express, 2014, 22, 2376.	1.7	23
42	Monolithic integration of a quantum emitter with a compact on-chip beam-splitter. Applied Physics Letters, 2014, 104, .	1.5	47
43	Magnetic properties of In ₂ O ₃ containing Fe ₃ O ₄ nanoparticles. Physical Review B, 2014, 90, .	1.1	12
44	Waveguide Coupled Resonance Fluorescence from On-Chip Quantum Emitter. Nano Letters, 2014, 14, 6997-7002.	4.5	75
45	GaAs integrated quantum photonic circuits. , 2014, , .		0
46	Monolithic Integration of Quantum Emitter with On-chip Beam-splitter for Quantum Information Processing. , 2014, , .		0
47	Asymmetry tuning of Fano resonances in GaAs photonic crystal cavities. Applied Physics Letters, 2013, 102, .	1.5	11
48	Enhanced photocurrent readout for a quantum dot qubit by bias modulation. Applied Physics Letters, 2013, 102, 181108.	1.5	4
49	III-V quantum light source and cavity-QED on Silicon. Scientific Reports, 2013, 3, 1239.	1.6	33
50	Optical control of the emission direction of a quantum dot. Applied Physics Letters, 2013, 103, .	1.5	28
51	An on-chip cross-waveguide QD spin-photon interface and its applications. , 2013, , .		0
52	Interfacing Spins in an InGaAs Quantum Dot to a Semiconductor Waveguide Circuit Using Emitted Photons. Physical Review Letters, 2013, 110, 037402.	2.9	119
53	Contrasting behavior of the structural and magnetic properties in Mn- and Fe-doped In ₂ O ₃ films. APL Materials, 2013, 1, .	2.2	9
54	Grain boundary ferromagnetism in vanadium-doped In ₂ O ₃ thin films. Europhysics Letters, 2013, 103, 67007.	0.7	4

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55	Restoring mode degeneracy in H1 photonic crystal cavities by uniaxial strain tuning. Applied Physics Letters, 2012, 100, .	1.5	42
56	Disorder-limited photon propagation and Anderson-localization in photonic crystal waveguides. Applied Physics Letters, 2012, 101, 051116.	1.5	14
57	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
58	Coherent optical control a single hole spin in a quantum dot. , 2012, , .		0
59	Planar Waveguide Architecture for the Implementation of a Network of Optically Controlled Quantum Dot Spin Qubits. , 2012, , .		0
60	Magnetic and optical properties of multiferroic GdMnO3film. Journal of Physics: Conference Series, 2012, 391, 012083.	0.3	6
61	Coherent Optical Control of the Spin of a Single Hole in an InAs/GaAs Quantum Dot. Physical Review Letters. 2012. 108. 017402.	2.9	96
62	Magneto-optic studies of magnetic oxides. Journal of Magnetism and Magnetic Materials, 2012, 324, 3422-3426.	1.0	23
63	Donor-band ferromagnetism in cobalt-doped indium oxide. Physical Review B, 2011, 84, .	1.1	42
64	Mode structure of coupled L3 photonic crystal cavities. Optics Express, 2011, 19, 5670.	1.7	50
65	Splitting and lasing of whispering gallery modes in quantum dot micropillars. , 2011, , .		0
66	Purcell-enhanced single-photon emission from an InP quantum dot coupled to GaInP photonic crystal nanocavity. Proceedings of SPIE, 2011, , .	0.8	0
67	Fano Resonance in GaAs 2D Photonic Crystal Nanocavities. AIP Conference Proceedings, 2011, , .	0.3	1
68	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
69	Unpolarized H1 photonic crystal nanocavities fabricated by stretched lattice design. Applied Physics Letters, 2011, 98, .	1.5	17
70	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
71	Intensity damping of Rabi-oscillations and renormalization of the Rabi frequency in InGaAs/GaAs quantum dots. , 2011, , .		1
72	Inversion recovery measurements of exciton fine-structure beats in a single quantum dot. Journal of Physics: Conference Series, 2010, 245, 012010.	0.3	2

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73	Quantum key distribution system in standard telecommunications fiber using a short wavelength single photon source. Journal of Applied Physics, 2010, 107, .	1.1	25
74	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
75	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
76	Control of spontaneous emission from InP single quantum dots in GaInP photonic crystal nanocavities. Applied Physics Letters, 2010, 97, 181104.	1.5	13
77	Magneto-optical properties of Co/ZnO multilayer films. Journal of Physics: Conference Series, 2010, 200, 062024.	0.3	8
78	Fast high fidelity hole spin initialization in a single InGaAs quantum dot. Applied Physics Letters, 2010, 97, 061113.	1.5	30
79	Phonon-Induced Rabi-Frequency Renormalization of Optically Driven Single InGaAs Quantum Dots. Physical Review Letters, 2010, 105, 177402.	2.9	172
80	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
81	Damping of Exciton Rabi Rotations by Acoustic Phonons in Optically Excited InGaAs Quantum Dots. Physical Review Letters, 2010, 104, 017402.	2.9	258
82	Splitting and lasing of whispering gallery modes in quantum dot micropillars. Optics Express, 2010, 18, 22578.	1.7	21
83	Beating of Exciton-Dressed States in a Single Semiconductor InGaAs Quantum Dot. Physical Review Letters, 2009, 102, 207401.	2.9	44
84	Single molecule spectroscopy of red- and green-emitting fluorene-based copolymers. Journal of Chemical Physics, 2009, 130, 044903.	1.2	23
85	Magnetoresistance of magnetically doped ZnO films. Journal of Physics Condensed Matter, 2009, 21, 346001.	0.7	12
86	Two-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
87	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
88	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
89	Ultrafast all-optical switching in AlGaAs photonic crystal waveguide interferometers. Applied Physics Letters, 2009, 95, 141108.	1.5	16
90	Picosecond Coherent Control of Dressed States in a Single Quantum Dot. , 2009, , .		0

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91	Two Magnetic Regimes in Doped ZnO Corresponding to a Dilute Magnetic Semiconductor and a Dilute Magnetic Insulator. <i>Physical Review Letters</i> , 2008, 100, 047206.	2.9	322
92	Two-qubit conditional quantum-logic operation in a single self-assembled quantum dot. <i>Physical Review B</i> , 2008, 78, .	1.1	53
93	Mapping exciton quenching in photovoltaic-applicable polymer blends using time-resolved scanning near-field optical microscopy. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	15
94	Fast Optical Preparation, Control, and Readout of a Single Quantum Dot Spin. <i>Physical Review Letters</i> , 2008, 100, 197401.	2.9	133
95	Excitonic spin lifetimes in InGaN quantum wells and epilayers. <i>Journal of Applied Physics</i> , 2008, 104, 053523.	1.1	2
96	Whispering gallery modes in quantum dot micropillar cavities. , 2008, , .		0
97	Fast Optical Preparation, Control, and Detection of a Single Hole Spin in a Quantum Dot. , 2008, , .		0
98	Controlled Rotation (C-ROT) Gate in a Single Self- Assembled Quantum Dot. , 2008, , .		0
99	Organic-Based Micropillar Structure Fabrication by Advanced Focused Ion Beam Milling Techniques. <i>Springer Proceedings in Physics</i> , 2008, , 449-452.	0.1	0
100	Coherent control of single quantum dot exciton embedded in a photodiode. <i>Journal of Modern Optics</i> , 2007, 54, 1717-1722.	0.6	0
101	Focused ion beam etching for the fabrication of micropillar microcavities made of III-V semiconductor materials. <i>Journal of Vacuum Science & Technology B</i> , 2007, 25, 1197.	1.3	8
102	High Q modes in elliptical microcavity pillars. <i>Applied Physics Letters</i> , 2007, 90, 161105.	1.5	24
103	Control of polarization and mode mapping of small volume high Q micropillars. <i>Journal of Applied Physics</i> , 2007, 102, 043105.	1.1	14
104	Coherent response of a quantum dot exciton driven by a rectangular spectrum optical pulse. <i>Physical Review B</i> , 2007, 75, .	1.1	15
105	Inversion recovery of single quantum-dot exciton based qubit. <i>Physical Review B</i> , 2007, 75, .	1.1	32
106	Electron tunnelling limited coherence time of single quantum dot photodiode based qubit. , 2007, , .		1
107	Whispering gallery resonances in semiconductor micropillars. <i>Applied Physics Letters</i> , 2007, 91, 071115.	1.5	37
108	Polarized quantum dot emission from photonic crystal nanocavities studied under moderesonant enhanced excitation. <i>Optics Express</i> , 2007, 15, 17221.	1.7	41

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109	Mode structure of the L3 photonic crystal cavity. Applied Physics Letters, 2007, 90, 241117.	1.5	99
110	Single photon sources based upon single quantum dots in semiconductor microcavity pillars. Journal of Modern Optics, 2007, 54, 453-465.	0.6	16
111	Room Temperature Magneto-optics Of Ferromagnetic ZnO Doped With Transition Metals And Aluminum. AIP Conference Proceedings, 2007, , .	0.3	0
112	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
113	Phonon satellites and time-resolved studies of carrier recombination dynamics in InGaN quantum wells. Superlattices and Microstructures, 2007, 41, 419-424.	1.4	6
114	Magneto-optical study of the Verwey transition in magnetite. Journal of Magnetism and Magnetic Materials, 2007, 310, e246-e248.	1.0	7
115	Magneto-optical and transport studies of ZnO-based dilute magnetic semiconductors. Journal of Magnetism and Magnetic Materials, 2007, 310, 2158-2160.	1.0	9
116	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
117	Magneto-Optical Properties of Co-doped TiO2 Thin Films Grown by Pulsed Laser Deposition. AIP Conference Proceedings, 2007, , .	0.3	0
118	Time-resolved photoluminescence studies of carrier diffusion in GaN. Applied Physics Letters, 2006, 89, 072107.	1.5	10
119	Dependence of carrier localization in InGaN ^x /GaN multiple-quantum wells on well thickness. Applied Physics Letters, 2006, 89, 253120.	1.5	35
120	Time Evolution of the Screening of Piezoelectric Fields in InGaN Quantum Wells. IEEE Journal of Quantum Electronics, 2006, 42, 1202-1208.	1.0	47
121	Room-Temperature Magneto-Optics of Ferromagnetic Transition-Metal-Doped ZnO Thin Films. Physical Review Letters, 2006, 96, 197208.	2.9	201
122	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
123	Enhanced all-optical tuning of leaky eigenmodes in photonic crystal waveguides. Optics Letters, 2006, 31, 2284.	1.7	10
124	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
125	Fast spin relaxation in InGaN/GaN multiple quantum wells. Physica Status Solidi (B): Basic Research, 2006, 243, 1643-1646.	0.7	1
126	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

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127	Spontaneous Emission Control in Micropillar Cavities Containing a Fluorescent Molecular Dye. <i>Advanced Materials</i> , 2006, 18, 742-747.	11.1	34
128	Experiments Versus Modelling in Quantum Dot Pillar Microcavities. , 2006, , .		1
129	Resolution of discrete excited states in $\text{In}_x\text{Ga}_{1-x}\text{N}$ multiple quantum wells using degenerate four-wave mixing. <i>Physical Review B</i> , 2006, 73, .	1.1	10
130	Ultrafast reflectivity modulation in $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{In}_y\text{Al}_x\text{Ga}_{1-x}\text{As}$ multiple quantum well photonic crystal waveguides. <i>Physical Review B</i> , 2006, 74, .	1.1	1
131	Control of the nonlinear carrier response time of AlGaAs photonic crystal waveguides by sample design. <i>Applied Physics Letters</i> , 2006, 88, 141104.	1.5	10
132	Control of polarized single quantum dot emission in high-quality-factor microcavity pillars. <i>Applied Physics Letters</i> , 2006, 88, 051113.	1.5	40
133	Quantum Wells, Superlattices, and Band-Gap Engineering. , 2006, , 1021-1040.		7
134	Time evolution of piezoelectric field screening in InGaN quantum wells. , 2005, , .		1
135	Ultrafast nonlinear response of AlGaAs/InAlGaAs MQW photonic crystal waveguides. <i>Physica Status Solidi A</i> , 2005, 202, 2653-2656.	1.7	3
136	Reflection and emission of Brillouin zone edge states for active photonic crystal waveguides. <i>Journal of Optics</i> , 2005, 7, S270-S275.	1.5	0
137	Picosecond carrier dynamics in AlInGaN multiple quantum wells. <i>Applied Physics Letters</i> , 2005, 87, 232106.	1.5	4
138	Mapping the Fluorescence Decay Lifetime of a Conjugated Polymer in a Phase-Separated Blend Using a Scanning Near-Field Optical Microscope. <i>Nano Letters</i> , 2005, 5, 2232-2237.	4.5	68
139	The time-resolved spectroscopy of InGaAs/AlGaAs heterostructures with asymmetric funnel-shape quantum wells for near- and mid-IR lasing. <i>Semiconductor Science and Technology</i> , 2004, 19, S273-S275.	1.0	5
140	Ultrafast nonlinear tuning of the reflection properties of AlGaAs photonic crystal waveguides by two-photon absorption. <i>Journal of Applied Physics</i> , 2004, 96, 4729-4734.	1.1	12
141	Optical investigation of InGaN/GaN multiple-quantum wells under high excitation. <i>Applied Physics Letters</i> , 2004, 84, 5159-5161.	1.5	15
142	Precise measurement of the fraction of charged dots in self-assembled quantum dot ensembles using ultrafast pump-probe techniques. <i>Applied Physics Letters</i> , 2004, 85, 2226-2228.	1.5	7
143	Ultrafast measurements of vibrational relaxation in the conjugated polymer poly(9,9-dioctylfluorene). <i>Applied Physics Letters</i> , 2004, 85, 3080-3082.	1.5	8
144	Femtosecond studies of electron capture times in InGaN/GaN multiple quantum wells. <i>Applied Physics Letters</i> , 2004, 84, 3052-3054.	1.5	14

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145	Dynamics of Coherent and Incoherent Spin Polarizations in Ensembles of Quantum Dots. Physical Review Letters, 2004, 93, 057401. Mechanical alloying: a route to room-temperature Ferromagnetism in bulk $\langle \text{mml:math altimg="si20.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/comm" \rangle$	2.9	76
146	Study of stimulated emission from InGaN/GaN multiple quantum well structures. Journal of Crystal Growth, 2004, 273, 48-53.	1.0	47
147	Effect of thermal annealing and strain engineering on the fine structure of quantum dot excitons. Physical Review B, 2004, 70, .	0.7	8
148	Model for Energy Transfer in Polymer/Dye Blends Based on Point-to-Surface Dipole Interaction. Chemistry of Materials, 2004, 16, 4705-4710.	1.1	78
149	Controlled Förster energy transfer in emissive polymer Langmuir-Blodgett structures. Physical Review B, 2004, 69, .	3.2	36
150	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.	1.1	48
151	Carrier dynamics in red-emitting self-organised InAs/AlGaAs quantum dots with indirect barriers. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 109-110.	11.1	65
152	Langmuir and Langmuir-Blodgett (LB) film properties of poly(9,9-dioctylfluorene). Materials Science and Engineering C, 2003, 23, 541-544.	1.3	2
153	Carrier capture times in InGaN/GaN multiple quantum wells. Physica Status Solidi (B): Basic Research, 2003, 240, 364-367.	3.8	16
154	Time-resolved measurements and spatial photoluminescence distribution in InAs/AlGaAs quantum dots. Microelectronics Journal, 2003, 34, 747-749.	0.7	10
155	Dynamics of Förster transfer in polyfluorene-based polymer blends and Langmuir-Blodgett nanostructures. Synthetic Metals, 2003, 139, 787-790.	1.1	4
156	Carrier dynamics in short wavelength self-assembled InAs/Al _{0.6} Ga _{0.4} As quantum dots with indirect barriers. Journal of Applied Physics, 2003, 93, 3524-3528.	2.1	27
157	Photon-number squeezing in visible-spectrum light-emitting diodes. Electronics Letters, 2003, 39, 110.	1.1	17
158	Exciton migration in \hat{n}^2 -phase poly(9,9-dioctylfluorene). Physical Review B, 2003, 67, .	0.5	2
159	Ultrafast nonlinear response of AlGaAs two-dimensional photonic crystal waveguides. Applied Physics Letters, 2003, 83, 851-853.	1.1	232
160	Dynamics of stimulated emission in InAs quantum-dot laser structures measured in pump-probe experiments. Applied Physics Letters, 2002, 81, 4118-4120.	1.5	76
161	Efficient energy transfer in organic thin films—implications for organic lasers. Journal of Applied Physics, 2002, 92, 6367-6371.	1.5	2
162		1.1	63

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163	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
164	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
165	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
166	Experimental study of light emission from strongly coupled organic semiconductor microcavities following nonresonant laser excitation. Physical Review B, 2002, 65, .	1.1	93
167	Intensity noise in quantum-dot laser diodes. Applied Physics Letters, 2001, 78, 3577-3579.	1.5	5
168	Domain bistability in photoexcited GaAs multiple quantum wells. Physical Review B, 2000, 61, 12647-12650.	1.1	8
169	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
170	Photocurrent self-oscillations in a spatially direct GaAs/AlGaAs superlattice. Applied Physics Letters, 1999, 75, 2067-2069.	1.5	7
171	Improved photon-number squeezing in light-emitting diodes. Journal of Modern Optics, 1998, 45, 1147-1153.	0.6	4
172	Femtosecond quadrature-squeezed light generation in CdSe at 155 μ m. Optics Letters, 1998, 23, 712.	1.7	13
173	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
174	Improved photon-number squeezing in light-emitting diodes. Journal of Modern Optics, 1998, 45, 1147-1153.	0.6	1
175	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
176	Optoelectronics in quantum well structures. Contemporary Physics, 1996, 37, 111-125.	0.8	27
177	Semiconductors put the squeeze on light. Physics World, 1996, 9, 40-46.	0.0	3
178	Role of π -anisotropy in the generation of squeezed light in semiconductors. Physical Review B, 1996, 53, 4479-4487.	1.1	17
179	Detection of terahertz radiation by hot electron effects in coupled quantum well photodiodes. Applied Physics Letters, 1996, 69, 3569-3571.	1.5	11
180	Squeezed Light Generation by Four-Wave Mixing in Semiconductors. , 1996, , 507-516.		0

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181	Quadrature squeezed light generation by cross-phase modulation in semiconductors. Optics Letters, 1995, 20, 2523.	1.7	6
182	Squeezed Light Generation in Semiconductors. Physical Review Letters, 1995, 74, 1728-1731.	2.9	64
183	Evaluation of GaAs/Al _{0.3} Ga _{0.7} As multiple-quantum-well waveguides for pulsed squeezed light generation. Physical Review A, 1994, 50, 4415-4418.	1.0	9
184	Optical studies of resonant and non-resonant tunnelling in GaAs/Al _x Ga _{1-x} As quantum wells. Semiconductor Science and Technology, 1994, 9, 545-548.	1.0	5
185	Carrier escape mechanisms from GaAs/Al _x Ga _{1-x} As multiple quantum wells in an electric field. Applied Physics Letters, 1993, 63, 2917-2919.	1.5	30
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