Aristide Lemaitre

List of Publications by Year
in descending order

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629 papers	22,079 citations	9756 73 h-index	14702 127 g-index
646 all docs	646 docs citations	646 times ranked	12092 citing authors

#	Article	IF	Citations
1	Near-optimal single-photon sources in the solid state. Nature Photonics, 2016, 10, 340-345.	15.6	858
2	Exciton-Photon Strong-Coupling Regime for a Single Quantum Dot Embedded in a Microcavity. Physical Review Letters, 2005, 95, 067401.	2.9	665
3	Lasing in topological edge states of a one-dimensional lattice. Nature Photonics, 2017, 11, 651-656.	15.6	625
4	Ultrabright source of entangled photon pairs. Nature, 2010, 466, 217-220.	13.7	501
5	Collective fluid dynamics of a polariton condensate in a semiconductor microcavity. Nature, 2009, 457, 291-295.	13.7	494
6	Spontaneous formation and optical manipulation of extended polariton condensates. Nature Physics, 2010, 6, 860-864.	6.5	431
7	Polariton Laser Using Single Micropillar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>GaAs</mml:mi><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:mi>GaAlAs</mml:mi></mml:math>Semiconductor Cavities. Physical Review Letters, 2008, 100, 047401.	2.9	394
8	Direct Observation of Dirac Cones and a Flatband in a Honeycomb Lattice for Polaritons. Physical Review Letters, 2014, 112, 116402.	2.9	352
9	Strong Electron-Phonon Coupling Regime in Quantum Dots: Evidence for Everlasting Resonant Polarons. Physical Review Letters, 1999, 83, 4152-4155.	2.9	347
10	Bright solid-state sources of indistinguishable single photons. Nature Communications, 2013, 4, 1425.	5.8	309
11	Persistent currents and quantized vortices in a polariton superfluid. Nature Physics, 2010, 6, 527-533.	6.5	282
12	Controlled Light-Matter Coupling for a Single Quantum Dot Embedded in a Pillar Microcavity Using Far-Field Optical Lithography. Physical Review Letters, 2008, 101, 267404.	2.9	264
13	Bosonic Condensation and Disorder-Induced Localization in a Flat Band. Physical Review Letters, 2016, 116, 066402.	2.9	246
14	Macroscopic quantum self-trapping and Josephson oscillations of exciton polaritons. Nature Physics, 2013, 9, 275-279.	6.5	244
15	High-Q wet-etched GaAs microdisks containing InAs quantum boxes. Applied Physics Letters, 1999, 75, 1908-1910.	1.5	240
16	Monolithic AlGaAs second-harmonic nanoantennas. Optics Express, 2016, 24, 15965.	1.7	208
17	Confined Tamm Plasmon Lasers. Nano Letters, 2013, 13, 3179-3184.	4.5	207
18	Enhancement of the Spin Accumulation at the Interface between a Spin-Polarized Tunnel Junction and a Semiconductor. Physical Review Letters, 2009, 102, 036601.	2.9	202

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19	Spin precession and inverted Hanle effect in a semiconductor near a finite-roughness ferromagnetic interface. Physical Review B, 2011, 84, .	1.1	174
20	Polariton-polariton interaction constants in microcavities. Physical Review B, 2010, 82, .	1.1	173
21	Charged and neutral exciton complexes in individual self-assembledIn(Ga)Asquantum dots. Physical Review B, 2001, 63, .	1.1	164
22	High Frequency GaAs Nano-Optomechanical Disk Resonator. Physical Review Letters, 2010, 105, 263903.	2.9	155
23	Polariton condensation in solitonic gap states in a one-dimensional periodic potential. Nature Communications, 2013, 4, 1749.	5.8	155
24	Boson Sampling with Single-Photon Fock States from a Bright Solid-State Source. Physical Review Letters, 2017, 118, 130503.	2.9	155
25	Interactions in Confined Polariton Condensates. Physical Review Letters, 2011, 106, 126401.	2.9	144
26	Observation of multicharged excitons and biexcitons in a single InGaAs quantum dot. Physical Review B, 2001, 63, .	1.1	142
27	Probing a Dissipative Phase Transition via Dynamical Optical Hysteresis. Physical Review Letters, 2017, 118, 247402.	2.9	142
28	Third-harmonic generation in InAs/GaAs self-assembled quantum dots. Physical Review B, 1999, 59, 9830-9833.	1.1	140
29	Holeâ€“Nuclear Spin Interaction in Quantum Dots. Physical Review Letters, 2009, 102, 146601.	2.9	137
30	Evidence for Confined Tamm Plasmon Modes under Metallic Microdisks and Application to the Control of Spontaneous Optical Emission. Physical Review Letters, 2011, 107, 247402.	2.9	136
31	Influence of an in-plane electric field on exciton fine structure in InAs-GaAs self-assembled quantum dots. Applied Physics Letters, 2005, 86, 041907.	1.5	134
32	Parametric oscillation in vertical triple microcavities. Nature, 2006, 440, 904-907.	13.7	134
33	Optically Probing the Fine Structure of a Single Mn Atom in an InAs Quantum Dot. Physical Review Letters, 2007, 99, 247209.	2.9	133
34	Spin-Orbit Coupling for Photons and Polaritons in Microstructures. Physical Review X, 2015, 5, .	2.8	131
35	Emergence of quantum correlations from interacting fibre-cavity polaritons. Nature Materials, 2019, 18, 213-218.	13.3	128
36	Polariton Condensation in Photonic Molecules. Physical Review Letters, 2012, 108, 126403.	2.9	124

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37	All-optical phase modulation in a cavity-polariton Machâ€“Zehnder interferometer. Nature Communications, 2014, 5, 3278.	5.8	123
38	Realization of a Double-Barrier Resonant Tunneling Diode for Cavity Polaritons. Physical Review Letters, 2013, 110, 236601.	2.9	118
39	Acoustic Black Hole in a Stationary Hydrodynamic Flow of Microcavity Polaritons. Physical Review Letters, 2015, 114, 036402.	2.9	114
40	Giant Rabi splitting between localized mixed plasmon-exciton states in a two-dimensional array of nanosize metallic disks in an organic semiconductor. Physical Review B, 2009, 80, .	1.1	112
41	Deterministic and electrically tunable bright single-photon source. Nature Communications, 2014, 5, 3240.	5.8	110
42	Optically controlling the emission chirality of microlasers. Nature Photonics, 2019, 13, 283-288.	15.6	109
43	Dynamic nuclear polarization of a single charge-tunableInAsâˆ•GaAsquantum dot. Physical Review B, 2006, 74, .	1.1	107
44	Emission of Tamm plasmon/exciton polaritons. Applied Physics Letters, 2009, 95, .	1.5	107
45	Propagation and Amplification Dynamics of 1D Polariton Condensates. Physical Review Letters, 2012, 109, 216404.	2.9	106
46	Scalable performance in solid-state single-photon sources. Optica, 2016, 3, 433.	4.8	106
47	Robust Quantum Dot Exciton Generation via Adiabatic Passage with Frequency-Swept Optical Pulses. Physical Review Letters, 2011, 106, 166801.	2.9	105
48	Indistinguishable single photons from a single-quantum dot in a two-dimensional photonic crystal cavity. Applied Physics Letters, 2005, 87, 163107.	1.5	104
49	Fractal Energy Spectrum of a Polariton Gas in a Fibonacci Quasiperiodic Potential. Physical Review Letters, 2014, 112, 146404.	2.9	104
50	Optical Bistability in a GaAs-Based Polariton Diode. Physical Review Letters, 2008, 101, 266402.	2.9	102
51	Direct Bell States Generation on a III-V Semiconductor Chip at Room Temperature. Physical Review Letters, 2013, 110, 160502.	2.9	101
52	High-frequency nano-optomechanical disk resonators in liquids. Nature Nanotechnology, 2015, 10, 810-816.	15.6	101
53	Bistability of the nuclear polarization created through optical pumping inIn1âˆ’xGaxAsquantum dots. Physical Review B, 2006, 74, .	1.1	99
54	Spontaneous photon-pair generation from a dielectric nanoantenna. Optica, 2019, 6, 1416.	4.8	98

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55	Spontaneous formation of a polariton condensate in a planar GaAs microcavity. Applied Physics Letters, 2009, 95, .	1.5	97
56	Polariton light-emitting diode in a GaAs-based microcavity. Physical Review B, 2008, 77, .	1.1	92
57	Enhanced phonon-assisted absorption in single InAs/GaAs quantum dots. Physical Review B, 2001, 63, .	1.1	90
58	Subterahertz Phonon Dynamics in Acoustic Nanocavities. Physical Review Letters, 2006, 97, 115502.	2.9	90
59	Metal Nanogrid for Broadband Multiresonant Light-Harvesting in Ultrathin GaAs Layers. ACS Photonics, 2014, 1, 878-884.	3.2	90
60	Optomechanical detection of vibration modes of a single bacterium. Nature Nanotechnology, 2020, 15, 469-474.	15.6	90
61	Wavelength-sized GaAs optomechanical resonators with gigahertz frequency. Applied Physics Letters, 2011, 98, .	1.5	87
62	Electric-field-dependent carrier capture and escape in self-assembled InAs/GaAs quantum dots. Applied Physics Letters, 2000, 77, 4344-4346.	1.5	86
63	Photon lasing in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>GaAs</mml:mi></mml:mrow></mml:math>microcavity: Similarities with a polariton condensate. Physical Review B, 2007, 76, .	1.1	86
64	Composition profiling of InAsâˆ•GaAs quantum dots. Applied Physics Letters, 2004, 85, 3717-3719.	1.5	85
65	High-resolution spectral characterization of two photon states via classical measurements. Laser and Photonics Reviews, 2014, 8, L76-L80.	4.4	81
66	Spin transfer experiments on(Ga,Mn)Asâˆ•(In,Ga)Asâˆ•(Ga,Mn)Astunnel junctions. Physical Review B, 2006, 73, .	1.1	80
67	Orbital Edge States in a Photonic Honeycomb Lattice. Physical Review Letters, 2017, 118, 107403.	2.9	79
68	Electrically Injected Photon-Pair Source at Room Temperature. Physical Review Letters, 2014, 112, 183901.	2.9	78
69	Surface-enhanced gallium arsenide photonic resonator with quality factor of 6â€‰Ã—â€‰10^6. Optica, 2017, 4, 218.	4.8	78
70	Optical Nonlinearity for Few-Photon Pulses on a Quantum Dot-Pillar Cavity Device. Physical Review Letters, 2012, 109, 166806.	2.9	77
71	Single photon source using confined Tamm plasmon modes. Applied Physics Letters, 2012, 100, .	1.5	77
72	Electrical Control of Hole Spin Relaxation in Charge TunableInAs/GaAsQuantum Dots. Physical Review Letters, 2005, 94, 147401.	2.9	76

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73	Infrared second-order optical susceptibility in InAs/GaAs self-assembled quantum dots. Physical Review B, 2000, 61, 5562-5570.	1.1	74
74	Ultrathin GaAs Solar Cells With a Silver Back Mirror. IEEE Journal of Photovoltaics, 2015, 5, 565-570.	1.5	74
75	Interaction-induced hopping phase in driven-dissipative coupled photonic microcavities. Nature Communications, 2016, 7, 11887.	5.8	74
76	Light-Mediated Cascaded Locking of Multiple Nano-Optomechanical Oscillators. Physical Review Letters, 2017, 118, 063605.	2.9	74
77	Reducing Phonon-Induced Decoherence in Solid-State Single-Photon Sources with Cavity Quantum Electrodynamics. Physical Review Letters, 2017, 118, 253602.	2.9	74
78	Restoration of photon indistinguishability in the emission of a semiconductor quantum dot. Physical Review B, 2005, 72, .	1.1	73
79	Macroscopic rotation of photon polarization induced by a single spin. Nature Communications, 2015, 6, 6236.	5.8	73
80	Irreversible magnetization switching using surface acoustic waves. Physical Review B, 2013, 87, .	1.1	72
81	Type-III and Tilted Dirac Cones Emerging from Flat Bands in Photonic Orbital Graphene. Physical Review X, 2019, 9, .	2.8	72
82	Polariton-generated intensity squeezing in semiconductor micropillars. Nature Communications, 2014, 5, 3260.	5.8	71
83	Universal Pinning Energy Barrier for Driven Domain Walls in Thin Ferromagnetic Films. Physical Review Letters, 2016, 117, 057201.	2.9	71
84	Element-sensitive measurement of the holeâ€“nuclear spin interaction in quantum dots. Nature Physics, 2013, 9, 74-78.	6.5	70
85	Measuring topological invariants from generalized edge states in polaritonic quasicrystals. Physical Review B, 2017, 95, .	1.1	70
86	Lasing in a hybrid GaAs/silver Tamm structure. Applied Physics Letters, 2012, 100, .	1.5	69
87	Origin of the Optical Emission within the Cavity Mode of Coupled Quantum Dot-Cavity Systems. Physical Review Letters, 2009, 103, 027401.	2.9	68
88	Adjustable anisotropy in ferromagnetic (Ga,Mn) (As,P) layered alloys. Physical Review B, 2010, 81, .	1.1	67
89	Precessional magnetization switching by a surface acoustic wave. Physical Review B, 2016, 93, .	1.1	67
90	Realization of an all optical exciton-polariton router. Applied Physics Letters, 2015, 107, .	1.5	66

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91	A solid-state single-photon filter. Nature Nanotechnology, 2017, 12, 663-667.	15.6	66
92	Lifetime of THz Acoustic Nanocavity Modes. Physical Review Letters, 2009, 102, 015502.	2.9	65
93	Quantum dot-cavity strong-coupling regime measured through coherent reflection spectroscopy in a very high-Q micropillar. Applied Physics Letters, 2010, 97, .	1.5	65
94	Bright Polarized Single-Photon Source Based on a Linear Dipole. Physical Review Letters, 2021, 126, 233601.	2.9	65
95	Coherent Generation of Acoustic Phonons in an Optical Microcavity. Physical Review Letters, 2007, 99, 217405.	2.9	64
96	Emergence of criticality through a cascade of delocalization transitions in quasiperiodic chains. Nature Physics, 2020, 16, 832-836.	6.5	64
97	Micropillar Resonators for Optomechanics in the Extremely High 19â€“95-GHz Frequency Range. Physical Review Letters, 2017, 118, 263901.	2.9	63
98	Spinâ€“orbit torque switching of a ferromagnet with picosecond electrical pulses. Nature Electronics, 2020, 3, 680-686.	13.1	63
99	Magnetic properties and domain structure of (Ga,Mn)As films with perpendicular anisotropy. Physical Review B, 2006, 73, .	1.1	62
100	Strain control of the magnetic anisotropy in (Ga,Mn) (As,P) ferromagnetic semiconductor layers. Applied Physics Letters, 2008, 93, .	1.5	61
101	Excitable phase slips in an injection-locked single-mode quantum-dot laser. Optics Letters, 2009, 34, 440.	1.7	61
102	Polarization properties of excitonic qubits in single self-assembled quantum dots. Physical Review B, 2012, 85, .	1.1	61
103	Second-harmonic generation in AlGaAs microdisks in the telecom range. Optics Letters, 2014, 39, 3062.	1.7	60
104	Cavity-enhanced two-photon interference using remote quantum dot sources. Physical Review B, 2015, 92, .	1.1	60
105	Polarization-Controlled Confined Tamm Plasmon Lasers. ACS Photonics, 2015, 2, 842-848.	3.2	60
106	Ultra-low threshold polariton lasing in photonic crystal cavities. Applied Physics Letters, 2011, 99, .	1.5	59
107	Edge states in polariton honeycomb lattices. 2D Materials, 2015, 2, 034012.	2.0	58
108	Zero-Order Second Harmonic Generation from AlGaAs-on-Insulator Metasurfaces. ACS Photonics, 2019, 6, 1226-1231.	3.2	58

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109	Polarization properties of second-harmonic generation in AlGaAs optical nanoantennas. Optics Letters, 2017, 42, 559.	1.7	57
110	Coherent manipulation of a solid-state artificial atom with few photons. Nature Communications, 2016, 7, 11986.	5.8	55
111	Sequential generation of linear cluster states from a single photon emitter. Nature Communications, 2020, 11, 5501.	5.8	53
112	Revealing the dark side of a bright excitonâ€“polariton condensate. Nature Communications, 2014, 5, 4648.	5.8	51
113	Active demultiplexing of single photons from a solidâ€state source. Laser and Photonics Reviews, 2017, 11, 1600297.	4.4	51
114	Enhancement of spontaneous emission in Tamm plasmon structures. Scientific Reports, 2017, 7, 9014.	1.6	51
115	Efficient dynamical nuclear polarization in quantum dots: Temperature dependence. Physical Review B, 2007, 76, .	1.1	50
116	Metamorphic approach to single quantum dot emission at 1.55Î¼m on GaAs substrate. Journal of Applied Physics, 2008, 103, .	1.1	50
117	Probing Electron-Phonon Interaction through Two-Photon Interference in Resonantly Driven Semiconductor Quantum Dots. Physical Review Letters, 2017, 118, 233602.	2.9	50
118	Integrated AlGaAs source of highly indistinguishable and energy-time entangled photons. Optica, 2016, 3, 143.	4.8	49
119	Saturation of intraband absorption and electron relaxation time in n-doped InAs/GaAs self-assembled quantum dots. Applied Physics Letters, 1998, 73, 3818-3821.	1.5	48
120	Determination of the Local Concentrations of Mn Interstitials and Antisite Defects inGaMnAs. Physical Review Letters, 2004, 93, 086107.	2.9	48
121	Effect of picosecond strain pulses on thin layers of the ferromagnetic semiconductor (Ga,Mn)(As,P). Physical Review B, 2010, 82, .	1.1	47
122	Excitation-Induced Dephasing in a Resonantly Driven<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, 2013, 111, 026403.	2.9	47
123	Unstable and stable regimes of polariton condensation. Optica, 2018, 5, 1163.	4.8	47
124	Metalâ€“dielectric hybrid nanoantennas for efficient frequency conversion at the anapole mode. Beilstein Journal of Nanotechnology, 2018, 9, 2306-2314.	1.5	47
125	Static and dynamic measurements of the Î±-factor of five-quantum-dot-layer single-mode lasers emitting at 1.3Î¼m on GaAs. Applied Physics Letters, 2005, 86, 211115.	1.5	46
126	Polariton Resonances for Ultrastrong Coupling Cavity Optomechanics in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>GaAs</mml:mi><mml:mo>/</mml:mo><mml:mi>AlAs</mml:mi></mml:mrow></mml:math>Mult Quantum Wells. Physical Review Letters, 2015, 115, 267402.	2.9	46

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127	Time-resolved probing of the Purcell effect for InAs quantum boxes in GaAs microdisks. Applied Physics Letters, 2001, 78, 2828-2830.	1.5	45
128	Formation and control of Turing patterns in a coherent quantum fluid. Scientific Reports, 2013, 3, 3016.	1.6	45
129	Evolution of the magnetic anisotropy with carrier density in hydrogenatedGa1â^'xMnxAs. Physical Review B, 2007, 75, .	1.1	44
130	Ultraweak-Absorption Microscopy of a Single Semiconductor Quantum Dot in the Midinfrared Range. Physical Review Letters, 2007, 99, 217404.	2.9	44
131	Scalable implementation of strongly coupled cavity-quantum dot devices. Applied Physics Letters, 2009, 94, .	1.5	44
132	Entangling Quantum-Logic Gate Operated with an Ultrabright Semiconductor Single-Photon Source. Physical Review Letters, 2013, 110, 250501.	2.9	44
133	Reproducibility of High-Performance Quantum Dot Single-Photon Sources. ACS Photonics, 2020, 7, 1050-1059.	3.2	44
134	STM Images of Subsurface Mn Atoms in GaAs: Evidence of Hybridization of Surface and Impurity States. Physical Review Letters, 2008, 101, 196801.	2.9	42
135	Anomalous Hanle Effect due to Optically Created Transverse Overhauser Field in Single<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 Dots. Physical Review Letters, 2010, 104, 056603.	2.9	42
136	Bloch Oscillations of THz Acoustic Phonons in Coupled Nanocavity Structures. Physical Review Letters, 2010, 104, 197402.	2.9	42
137	Onset and Dynamics of Vortex-Antivortex Pairs in Polariton Optical Parametric Oscillator Superfluids. Physical Review Letters, 2011, 107, 036401.	2.9	42
138	Tuning the ferromagnetic properties of hydrogenated GaMnAs. Applied Physics Letters, 2005, 87, 182506.	1.5	41
139	Nanowave devices for terahertz acoustic phonons. Applied Physics Letters, 2006, 88, 083113.	1.5	41
140	Universal Conductance Fluctuations in Epitaxial GaMnAs Ferromagnets: Dephasing by Structural and Spin Disorder. Physical Review Letters, 2007, 98, 027204.	2.9	41
141	Quantized Vortices and Four-Component Superfluidity of Semiconductor Excitons. Physical Review Letters, 2017, 118, 127402.	2.9	41
142	Topological nanophononic states by band inversion. Physical Review B, 2018, 97, .	1.1	41
143	Field-driven domain-wall dynamics in (Ga,Mn)As films with perpendicular anisotropy. Physical Review B, 2008, 78, .	1.1	40
144	Subterahertz monochromatic acoustic wave propagation using semiconductor superlattices as transducers. Physical Review B, 2008, 78, .	1.1	40

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145	Flexible entanglement-distribution network with an AlGaAs chip for secure communications. Npj Quantum Information, 2021, 7, .	2.8	40
146	Gap solitons in a one-dimensional driven-dissipative topological lattice. Nature Physics, 2022, 18, 678-684.	6.5	40
147	Exchange interactions and magnetism ofCo2+inZn1âˆ'xCoxTe. Physical Review B, 1996, 53, 674-685.	1.1	39
148	Quantum box size effect on vertical self-alignment studied using cross-sectional scanning tunneling microscopy. Applied Physics Letters, 1999, 74, 2608-2610.	1.5	39
149	Continuous-wave versus time-resolved measurements of Purcell factors for quantum dots in semiconductor microcavities. Physical Review B, 2009, 80, .	1.1	39
150	Spatial, spectral, and polarization properties of coupled micropillar cavities. Applied Physics Letters, 2011, 99, 101103.	1.5	39
151	Phase-Controlled Bistability of a Dark Soliton Train in a Polariton Fluid. Physical Review Letters, 2016, 117, 217401.	2.9	39
152	Scalable high-precision tuning of photonic resonators by resonant cavity-enhanced photoelectrochemical etching. Nature Communications, 2017, 8, 14267.	5.8	39
153	Generation of non-classical light in a photon-number superposition. Nature Photonics, 2019, 13, 803-808.	15.6	39
154	Nonlinear Polariton Fluids in a Flatband Reveal Discrete Gap Solitons. Physical Review Letters, 2019, 123, 113901.	2.9	39
155	Efficient acoustic phonon broadening in single self-assembled InAs/GaAs quantum dots. Physical Review B, 2001, 65, .	1.1	38
156	Nonadiabatic spin-transfer torque in (Ga,Mn)As with perpendicular anisotropy. Physical Review B, 2009, 80, .	1.1	38
157	Controlling the Polarization Eigenstate of a Quantum Dot Exciton with Light. Physical Review Letters, 2009, 103, 086601.	2.9	38
158	Optical bistability in a quantum dots/micropillar device with a quality factor exceeding 200 000. Applied Physics Letters, 2012, 100, 111111.	1.5	38
159	Direct observation of photonic Landau levels and helical edge states in strained honeycomb lattices. Light: Science and Applications, 2020, 9, 144.	7.7	38
160	Evidence for excitonic polarons inInAsâ•GaAsquantum dots. Physical Review B, 2006, 73, .	1.1	37
161	Spontaneous nonground state polariton condensation in pillar microcavities. Physical Review B, 2010, 81, .	1.1	36
162	Generation and Spatial Control of Hybrid Tamm Plasmon/Surface Plasmon Modes. ACS Photonics, 2016, 3, 1776-1781.	3.2	36

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163	Strong reduction of the coercivity by a surface acoustic wave in an out-of-plane magnetized epilayer. Physical Review B, 2016, 93, .	1.1	36
164	Dispersion relation of the collective excitations in a resonantly driven polariton fluid. Nature Communications, 2019, 10, 3869.	5.8	36
165	Exciton polaritons in two-dimensional photonic crystals. Physical Review B, 2009, 80, .	1.1	35
166	Determination of n-Type Doping Level in Single GaAs Nanowires by Cathodoluminescence. Nano Letters, 2017, 17, 6667-6675.	4.5	35
167	Polariton parametric luminescence in a single micropillar. Applied Physics Letters, 2007, 90, 051107.	1.5	34
168	Optical alignment and polarization conversion of the neutral-exciton spin in individual<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">In</mml:mi><mml:mi mathvariant="normal">As</mml:mi><mml:mo>â^•</mml:mo><mml:mi mathvariant="normal">Ga</mml:mi><mml:mi mathvariant="normal">As</mml:mi></mml:mrow></mml:math>quantum dots. Physical Review B, 2008, 7	1.1	34
169	MgO thickness dependence of spin injection efficiency in spin-light emitting diodes. Applied Physics Letters, 2008, 93, 152102.	1.5	34
170	Ferromagnetic resonance of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Ga</mml:mi><mml:mn>0.93</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mn>0.07</mml:mn></mml:msub><mml:mi mathvariant="normal">As</mml:mi></mml:mrow></mml:math>thin films with constant Mn and variable free-hole concentrations. Physical Review B, 2008, 77, .	1.1	34
171	Magnetic anisotropy of singly Mn-doped InAs/GaAs quantum dots. Physical Review B, 2009, 80, .	1.1	34
172	Efficient parametric generation of counterpropagating two-photon states. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 45.	0.9	34
173	Ultrahigh Q-frequency product for optomechanical disk resonators with a mechanical shield. Applied Physics Letters, 2013, 103, .	1.5	34
174	Bright Phonon-Tuned Single-Photon Source. Nano Letters, 2015, 15, 6290-6294.	4.5	34
175	Scanning tunneling spectroscopy of cleaved InAs/GaAs quantum dots at low temperatures. Physical Review B, 2008, 77, .	1.1	33
176	High speed pulsed electrical spin injection in spin-light emitting diode. Applied Physics Letters, 2009, 94, 141109.	1.5	33
177	Critical optical coupling between a GaAs disk and a nanowaveguide suspended on the chip. Applied Physics Letters, 2011, 99, .	1.5	33
178	Measurements of nuclear spin dynamics by spin-noise spectroscopy. Applied Physics Letters, 2015, 106, .	1.5	33
179	High quality factor confined Tamm modes. Scientific Reports, 2017, 7, 3859.	1.6	33
180	Field-Free Magnetization Switching by an Acoustic Wave. Physical Review Applied, 2019, 11, .	1.5	33

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181	Observation of Long-Lived Polariton States in Semiconductor Microcavities across the Parametric Threshold. Physical Review Letters, 2009, 102, 056402.	2.9	32
182	Exchange constant and domain wall width in (Ga,Mn)(As,P) films with self-organization of magnetic domains. Physical Review B, 2010, 82, .	1.1	32
183	Hong-Ou-Mandel Interference with Imperfect Single Photon Sources. Physical Review Letters, 2021, 126, 063602.	2.9	32
184	Peroxidase Activity of Cytochrome c. Bulletin of the Korean Chemical Society, 2004, 25, 1889-1892.	1.0	32
185	Comparison of intraband absorption and photocurrent in InAs/GaAs quantum dots. Applied Physics Letters, 2003, 83, 602-604.	1.5	31
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