

# Aristide Lemaitre

## List of Publications by Year in descending order

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629  
papers

22,079  
citations

11235

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127  
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646  
all docs

646  
docs citations

646  
times ranked

13801  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimode Optomechanical Weighting of a Single Nanoparticle. Nano Letters, 2022, 22, 710-715.	4.5	10
2	Tunable second harmonic generation by an all-dielectric diffractive metasurface embedded in liquid crystals. New Journal of Physics, 2022, 24, 045002.	1.2	12
3	Photon-number entanglement generated by sequential excitation of a two-level atom. Nature Photonics, 2022, 16, 374-379.	15.6	17
4	Simultaneous measurements of nuclear-spin heat capacity, temperature, and relaxation in GaAs microstructures. Physical Review B, 2022, 105, .	1.1	5
5	Gap solitons in a one-dimensional driven-dissipative topological lattice. Nature Physics, 2022, 18, 678-684.	6.5	40
6	Few-photon all-optical phase rotation in a quantum-well micropillar cavity. Nature Photonics, 2022, 16, 566-569.	15.6	13
7	All-Optical Beam Steering Using the Polariton Lighthouse Effect. ACS Photonics, 2021, 8, 449-454.	3.2	4
8	Topological surface states in epitaxial $\langle \text{mml}:\text{math} \rangle$		

#	ARTICLE	IF	CITATIONS
19	Anyonic Two-Photon Statistics with a Semiconductor Chip. ACS Photonics, 2021, 8, 2764-2769.	3.2	11
20	A multiphysics model for ultra-high frequency optomechanical resonators optically actuated and detected in the oscillating mode. APL Photonics, 2021, 6, 086111.	3.0	3
21	Two-Photon Interference with Bright Remote Quantum Dot Sources. , 2021, , .		0
22	Anyonic two-photon statistics and hybrid entanglement with a semiconductor chip. , 2021, , .		0
23	Chiral emission induced by optical Zeeman effect in polariton micropillars. Physical Review Research, 2021, 3, .	1.3	9
24	Fiber-integrated microcavities for efficient generation of coherent acoustic phonons. Applied Physics Letters, 2020, 117, 183102.	1.5	12
25	Excitation Ladder of Cavity Polaritons. Physical Review Letters, 2020, 125, 067403.	2.9	16
26	Spin-orbit torque switching of a ferromagnet with picosecond electrical pulses. Nature Electronics, 2020, 3, 680-686.	13.1	63
27	Room-Temperature Lasing in a Low-Loss Tamm Plasmon Cavity. ACS Photonics, 2020, 7, 2952-2957.	3.2	22
28	Semi-Dirac Transport and Anisotropic Localization in Polariton Honeycomb Lattices. Physical Review Letters, 2020, 125, 186601.	2.9	29
29	Direct observation of photonic Landau levels and helical edge states in strained honeycomb lattices. Light: Science and Applications, 2020, 9, 144.	7.7	38
30	Force Sensing with an Optomechanical Self-Oscillator. Physical Review Applied, 2020, 14, .	1.5	17
31	Parametric instability in coupled nonlinear microcavities. Physical Review A, 2020, 102, .	1.0	15
32	Sequential generation of linear cluster states from a single photon emitter. Nature Communications, 2020, 11, 5501.	5.8	53
33	Deterministic assembly of a charged-quantum-dot micropillar cavity device. Physical Review B, 2020, 102, .	1.1	7
34	Multi-orbital tight binding model for cavity-polariton lattices. Journal of Physics Condensed Matter, 2020, 32, 315402.	0.7	13
35	Emergence of criticality through a cascade of delocalization transitions in quasiperiodic chains. Nature Physics, 2020, 16, 832-836.	6.5	64
36	Exploring the shear strain contribution to the uniaxial magnetic anisotropy of (Ga,Mn)As. Journal of Applied Physics, 2020, 127, 093901.	1.1	1

#	ARTICLE	IF	CITATIONS
37	Second-Harmonic Generation in Suspended AlGaAs Waveguides: A Comparative Study. <i>Micromachines</i> , 2020, 11, 229.	1.4	8
38	Reproducibility of High-Performance Quantum Dot Single-Photon Sources. <i>ACS Photonics</i> , 2020, 7, 1050-1059.	3.2	44
39	Generation and symmetry control of quantum frequency combs. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	30
40	Optomechanical detection of vibration modes of a single bacterium. <i>Nature Nanotechnology</i> , 2020, 15, 469-474.	15.6	90
41	Time- and space-resolved nonlinear magnetoacoustic dynamics. <i>Physical Review B</i> , 2020, 101, .	1.1	7
42	Frequency doubling and parametric fluorescence in a four-port aluminum gallium arsenide photonic chip. <i>Optics Letters</i> , 2020, 45, 2878.	1.7	8
43	Engineering two-photon wavefunction and exchange statistics in a semiconductor chip. <i>Optica</i> , 2020, 7, 316.	4.8	31
44	Sequential Generation of Linear Cluster States from a Single Photon Emitter. , 2020, , .		0
45	Generation of non-classical light in a photon-number superposition. <i>Nature Photonics</i> , 2019, 13, 803-808.	15.6	39
46	Type-III and Tilted Dirac Cones Emerging from Flat Bands in Photonic Orbital Graphene. <i>Physical Review X</i> , 2019, 9, .	2.8	72
47	TeraHertz Generation in Semiconductor Microcavities. , 2019, , .		0
48	Quantum-Correlated Photons from Semiconductor Fiber-Cavity Polaritons. , 2019, , .		1
49	Highly Polarized Optical Harmonic Generation into Zero-Order Diffraction from Gradient Semiconductor Metasurfaces. , 2019, , .		0
50	Dispersion relation of the collective excitations in a resonantly driven polariton fluid. <i>Nature Communications</i> , 2019, 10, 3869.	5.8	36
51	Nonlinear Polariton Fluids in a Flatband Reveal Discrete Gap Solitons. <i>Physical Review Letters</i> , 2019, 123, 113901.	2.9	39
52	Field-Free Magnetization Switching by an Acoustic Wave. <i>Physical Review Applied</i> , 2019, 11, .	1.5	33
53	Three-dimensional trapping of light with light in semiconductor planar microcavities. <i>Physical Review B</i> , 2019, 99, .	1.1	4
54	Universal dimensional crossover of domain wall dynamics in ferromagnetic films. <i>Physical Review B</i> , 2019, 99, .	1.1	9

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55	Zero-Order Second Harmonic Generation from AlGaAs-on-Insulator Metasurfaces. ACS Photonics, 2019, 6, 1226-1231.	3.2	58
56	Real Space Observation of Electronic Coupling between Self-Assembled Quantum Dots. Nano Letters, 2019, 19, 3699-3706.	4.5	7
57	Defect Proliferation at the Quasicondensate Crossover of Two-Dimensional Dipolar Excitons Trapped in Coupled GaAs Quantum Wells. Physical Review Letters, 2019, 122, 117402.	2.9	11
58	Coherent generation and detection of acoustic phonons in topological nanocavities. APL Photonics, 2019, 4, .	3.0	22
59	Optically controlling the emission chirality of microlasers. Nature Photonics, 2019, 13, 283-288.	15.6	109
60	Overcomplete quantum tomography of a path-entangled two-photon state. Physical Review A, 2019, 99, .	1.0	3
61	Emergence of quantum correlations from interacting fibre-cavity polaritons. Nature Materials, 2019, 18, 213-218.	13.3	128
62	Generation of quantum light in a photon-number superposition. , 2019, , .		0
63	Generation and Manipulation of Quantum Frequency States of Light with AlGaAs Chips. , 2019, , .		0
64	Common universal behavior of magnetic domain walls driven by spin-polarized electrical current and magnetic field. Physical Review B, 2019, 100, .	1.1	17
65	Quantum well photoelastic comb for ultra-high frequency cavity optomechanics. Quantum Science and Technology, 2019, 4, 014011.	2.6	7
66	Effect of Al Ratio on Photoluminescence and Raman Scattering of InAlAs/AlGaAs Quantum Dots. Silicon, 2019, 11, 2471-2474.	1.8	1
67	Orbital angular momentum bistability in a microlaser. Optics Letters, 2019, 44, 4531.	1.7	7
68	Brillouin scattering in hybrid optophononic Bragg micropillar resonators at 300â€‰GHz. Optica, 2019, 6, 854.	4.8	15
69	Spontaneous photon-pair generation from a dielectric nanoantenna. Optica, 2019, 6, 1416.	4.8	98
70	Interfacing scalable photonic platforms: solid-state based multi-photon interference in a reconfigurable glass chip. Optica, 2019, 6, 1471.	4.8	30
71	Generating multi-photon entangled states from a single deterministic single-photon source. , 2019, , .		1
72	Interfacing solid-state single-photon sources and integrated photonics circuits: high rate three-photon coalescence. , 2019, , .		0

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73	Generation of quantum light in a photon-number superposition. , 2019, , .		0
74	A Compact and scalable source for entangled photonic linear cluster states. , 2019, , .		0
75	Generation and manipulation of quantum frequency states of light with AlGaAs chips. , 2019, , .		0
76	Retrapping of carrier emission in photoluminescence decay time in InAlAs quantum dots with different thickness. Optical Materials, 2018, 78, 126-131.	1.7	0
77	Topological nanophononic states by band inversion. Physical Review B, 2018, 97, .	1.1	41
78	Towards an integrated AlGaAs waveguide platform for phase and polarisation shaping. Journal of Optics (United Kingdom), 2018, 20, 05LT01.	1.0	11
79	Resonance fluorescence revival in a voltage-controlled semiconductor quantum dot. Applied Physics Letters, 2018, 112, .	1.5	6
80	On-chip III-V monolithic integration of heralded single photon sources and beamsplitters. Applied Physics Letters, 2018, 112, .	1.5	18
81	Spin temperature concept verified by optical magnetometry of nuclear spins. Physical Review B, 2018, 97, .	1.1	21
82	Quantum-size Dependence of Fine Structure and Spin Lifetime in Self-assembled InAlAs/AlGaAs Quantum Dots. Silicon, 2018, 10, 147-151.	1.8	0
83	Structural and physical properties of InAlAs quantum dots grown on GaAs. Physica B: Condensed Matter, 2018, 535, 262-267.	1.3	1
84	Nonlinear Polariton Localization in Strongly Coupled Driven-Dissipative Microcavities. ACS Photonics, 2018, 5, 95-99.	3.2	7
85	Cathodoluminescence Characterization of Semiconductor Doping at the Nanoscale. , 2018, , .		0
86	Scaling rules in optomechanical semiconductor micropillars. Physical Review A, 2018, 98, .	1.0	5
87	Angular-resolved photoemission electron spectroscopy and transport studies of the elemental topological insulator $\text{Bi}_2\text{Se}_3$ . Physical Review B, 2018, 98, .	1.1	28
88	Optical Switching of the Second Harmonic Generation in AlGaAs Nanoantennas. , 2018, , .		0
89	Dark-bright exciton coupling in asymmetric quantum dots. Physical Review B, 2018, 98, .	1.1	10
90	Unstable and stable regimes of polariton condensation. Optica, 2018, 5, 1163.	4.8	47

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91	Topological acoustics in coupled nanocavity arrays. Physical Review B, 2018, 98, .	1.1	26
92	Temporal coherence of spatially indirect excitons across Bose-Einstein condensation: the role of free carriers. New Journal of Physics, 2018, 20, 073049.	1.2	9
93	Magneto-optical Kerr spectroscopy in ferromagnetic semiconductors: determination of the intrinsic complex magneto-optical Voigt constant. Semiconductor Science and Technology, 2018, 33, 125015.	1.0	1
94	Optical Probing of Rayleigh Wave Driven Magnetoacoustic Resonance. Physical Review Applied, 2018, 10, .	1.5	21
95	Metal-dielectric hybrid nanoantennas for efficient frequency conversion at the anapole mode. Beilstein Journal of Nanotechnology, 2018, 9, 2306-2314.	1.5	47
96	Microscopic Nanomechanical Dissipation in Gallium Arsenide Resonators. Physical Review Letters, 2018, 120, 223601.	2.9	30
97	Resonant magneto-acoustic switching: influence of Rayleigh wave frequency and wavevector. Journal of Physics Condensed Matter, 2018, 30, 244003.	0.7	24
98	Accurate measurement of a 96% input coupling into a cavity using polarization tomography. Applied Physics Letters, 2018, 112, .	1.5	7
99	Optical cavity mode dynamics and coherent phonon generation in high-Q micropillar resonators. Physical Review A, 2018, 98, .	1.0	5
100	Optoelectronic forces with quantum wells for cavity optomechanics in GaAs/AlAs semiconductor microcavities. Physical Review B, 2018, 97, .	1.1	18
101	Spin relaxation of indirect excitons in asymmetric coupled quantum wells. Superlattices and Microstructures, 2018, 122, 643-649.	1.4	4
102	Lasing in optically induced gap states in photonic graphene. , 2018, 5, .		6
103	Reducing phonon-induced decoherence of solid-state artificial atoms with cavity quantum electrodynamics. , 2018, , .		0
104	III-V integrated nonlinear photonic chips for the generation and manipulation of quantum states of light. , 2018, , .		0
105	Creation of Semi-Dirac Photons Through Topological Phase Transitions in Photonic Honeycomb Lattices. , 2018, , .		0
106	A solid-state single photon filter. , 2018, , .		0
107	Magnetotransport investigations of (Ga,Mn)As/GaAs Esaki diodes under hydrostatic pressure. Applied Surface Science, 2017, 396, 1875-1879.	3.1	3
108	Scalable high-precision tuning of photonic resonators by resonant cavity-enhanced photoelectrochemical etching. Nature Communications, 2017, 8, 14267.	5.8	39

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109	Second harmonic generation in AlGaAs nanoantennas. Proceedings of SPIE, 2017, , .	0.8	0
110	Device for acoustic pulse echo experiments in the subterahertz range. Physical Review B, 2017, 95, .	1.1	3
111	Orbital Edge States in a Photonic Honeycomb Lattice. Physical Review Letters, 2017, 118, 107403.	2.9	79
112	Power density and temperature effects on the photoluminescence spectra of InAlAs/GaAlAs quantum dots. Superlattices and Microstructures, 2017, 104, 321-330.	1.4	5
113	Light-Mediated Cascaded Locking of Multiple Nano-Optomechanical Oscillators. Physical Review Letters, 2017, 118, 063605.	2.9	74
114	Controlling the optical spin Hall effect with light. Applied Physics Letters, 2017, 110, 061108.	1.5	17
115	Active demultiplexing of single photons from a solid-state source. Laser and Photonics Reviews, 2017, 11, 1600297.	4.4	51
116	Optical control of polaritons: from optoelectronic to spinoptronic device concepts. Proceedings of SPIE, 2017, , .	0.8	0
117	A solid-state single-photon filter. Nature Nanotechnology, 2017, 12, 663-667.	15.6	66
118	Quantum-dot-based quantum devices (Conference Presentation). , 2017, , .		0
119	Multi-user quantum key distribution with a semiconductor source of entangled photon pairs (Conference Presentation). , 2017, , .		0
120	Magneto-optical Kerr spectroscopy of (Ga,Mn)(As,P) ferromagnetic layers: Experiments and k.p theory. Journal of Applied Physics, 2017, 121, 125702.	1.1	8
121	Nuclear spin relaxation in $n$ -GaAs: From insulating to metallic regime. Physical Review B, 2017, 95, .	1.1	20
122	Boson Sampling with Single-Photon Fock States from a Bright Solid-State Source. Physical Review Letters, 2017, 118, 130503.	2.9	155
123	Spin transfer and spin-orbit torques in in-plane magnetized (Ga,Mn)As tracks. Physical Review B, 2017, 95, .	1.1	11
124	Role of the substrate in monolithic AlGaAs nonlinear nanoantennas. Nanophotonics, 2017, 7, 517-521.	2.9	8
125	Lasing in topological edge states of a one-dimensional lattice. Nature Photonics, 2017, 11, 651-656.	15.6	625
126	Determination of n-Type Doping Level in Single GaAs Nanowires by Cathodoluminescence. Nano Letters, 2017, 17, 6667-6675.	4.5	35



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127	Enhancement of spontaneous emission in Tamm plasmon structures. <i>Scientific Reports</i> , 2017, 7, 9014.	1.6	51
128	Measuring topological invariants from generalized edge states in polaritonic quasicrystals. <i>Physical Review B</i> , 2017, 95, .	1.1	70
129	Quantized Vortices and Four-Component Superfluidity of Semiconductor Excitons. <i>Physical Review Letters</i> , 2017, 118, 127402.	2.9	41
130	Counter-rotating standing spin waves: A magneto-optical illusion. <i>Physical Review B</i> , 2017, 95, .	1.1	9
131	Optical and structural properties in type-II InAlAs/AlGaAs quantum dots observed by photoluminescence, X-ray diffraction and transmission electron microscopy. <i>Superlattices and Microstructures</i> , 2017, 110, 1-9.	1.4	1
132	Nanomechanical resonators based on adiabatic periodicity-breaking in a superlattice. <i>Applied Physics Letters</i> , 2017, 111, 173107.	1.5	7
133	Dynamical Control over the Confinement of Spatially Indirect Excitons in Electrostatic Traps Composed of Coupled GaAs Quantum Wells. <i>Physical Review Applied</i> , 2017, 8, .	1.5	2
134	Spectroscopic signatures for the dark Bose-Einstein condensation of spatially indirect excitons. <i>Europhysics Letters</i> , 2017, 119, 37004.	0.7	26
135	High quality factor confined Tamm modes. <i>Scientific Reports</i> , 2017, 7, 3859.	1.6	33
136	Probing Electron-Phonon Interaction through Two-Photon Interference in Resonantly Driven Semiconductor Quantum Dots. <i>Physical Review Letters</i> , 2017, 118, 233602.	2.9	50
137	Probing a Dissipative Phase Transition via Dynamical Optical Hysteresis. <i>Physical Review Letters</i> , 2017, 118, 247402.	2.9	142
138	Reducing Phonon-Induced Decoherence in Solid-State Single-Photon Sources with Cavity Quantum Electrodynamics. <i>Physical Review Letters</i> , 2017, 118, 253602.	2.9	74
139	Micropillar Resonators for Optomechanics in the Extremely High 19â€‘95-GHz Frequency Range. <i>Physical Review Letters</i> , 2017, 118, 263901.	2.9	63
140	Temperature dependence of hypersound attenuation in silica films via picosecond acoustics. <i>Physical Review B</i> , 2017, 96, .	1.1	8
141	Tamm plasmon sub-wavelength structuration for loss reduction and resonance tuning. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	13
142	Cathodoluminescence mapping for the determination of n-type doping in single GaAs nanowires. , 2017, , .		0
143	Tomography of the optical polarization rotation induced by a single quantum dot in a cavity. <i>Optica</i> , 2017, 4, 1326.	4.8	12
144	High frequency optomechanical disk resonators in IIIâ€‘V ternary semiconductors. <i>Optics Express</i> , 2017, 25, 24639.	1.7	20

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145	Surface-enhanced gallium arsenide photonic resonator with quality factor of $6 \times 10^6$ . Optica, 2017, 4, 218.	4.8	78
146	AlGaAs photonic devices for quantum information. , 2017, , .		0
147	200nm-thick GaAs solar cells with a nanostructured silver mirror. , 2017, , .		0
148	Polarization properties of second-harmonic generation in AlGaAs optical nanoantennas. Optics Letters, 2017, 42, 559.	1.7	57
149	Polarization-resolved second harmonic generation measurements in AlGaAs monolithic nanoantennas. , 2017, , .		0
150	Polariton lasing in the edge states of an orbital SSH chain. , 2017, , .		0
151	Directionally induced quasi-phase matching in homogeneous AlGaAs waveguides. Optics Letters, 2017, 42, 4287.	1.7	20
152	On-chip generation of frequency-entangled qudits. , 2017, , .		0
153	Light-matter interfacing with quantum dots: a polarization tomography approach. , 2017, , .		0
154	On-chip monolithic integration of heralded single photons sources and beam splitters. , 2017, , .		0
155	Overcoming phonon-induced decoherence in single-photon sources with cavity quantum electrodynamics. , 2017, , .		0
156	Record single-to-noise ratio in active and passive AlGaAs sources of entangled photons. , 2017, , .		0
157	Multi-User Quantum Key Distribution With Entangled Photons From A Semiconductor Chip. , 2017, , .		0
158	Electrically Injected Twin Photon Emitting Lasers at Room Temperature. Technologies, 2016, 4, 24.	3.0	5
159	Monolithic AlGaAs second-harmonic nanoantennas. Optics Express, 2016, 24, 15965.	1.7	208
160	Integrated AlGaAs source of highly indistinguishable and energy-time entangled photons. Optica, 2016, 3, 143.	4.8	49
161	200nm-Thick GaAs solar cells with a nanostructured silver mirror. , 2016, , .		6
162	Steady-state thermal gradient induced by pulsed laser excitation in a ferromagnetic layer. Journal of Applied Physics, 2016, 119, .	1.1	4

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163	Nano-optomechanical disk resonators operating in liquids for sensing applications. , 2016, , .		4
164	Scalable performance in solid-state single-photon sources. Optica, 2016, 3, 433.	4.8	106
165	Rapid thermal annealing and modulation-doping effects on InAs/GaAs quantum dots photoluminescence dependence on excitation power. Physica B: Condensed Matter, 2016, 493, 53-57.	1.3	3
166	Femtosecond terahertz dynamics of cooperative transitions: from charge density waves to polariton condensates. Proceedings of SPIE, 2016, , .	0.8	0
167	Polarization dependence of nonlinear wave mixing of spinor polaritons in semiconductor microcavities. Physical Review B, 2016, 94, .	1.1	7
168	Exciton spin coherence in InGaAs/GaAs quantum dots revisited by heterodyne pump-probe experiment (Withdrawal Notice). , 2016, , .		1
169	Spatially direct and indirect optical transitions observed for AlInAs/AlGaAs quantum dots. Superlattices and Microstructures, 2016, 97, 529-535.	1.4	2
170	Universal Pinning Energy Barrier for Driven Domain Walls in Thin Ferromagnetic Films. Physical Review Letters, 2016, 117, 057201.	2.9	71
171	Effects of thickness layer on the photoluminescence properties of InAlAs/GaAlAs quantum dots. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	0
172	Slow light and slow acoustic phonons in optophononic resonators. Physical Review B, 2016, 94, .	1.1	4
173	Surface plasmon generation through hybridization with Tamm modes. , 2016, , .		0
174	Generation and Spatial Control of Hybrid Tamm Plasmon/Surface Plasmon Modes. ACS Photonics, 2016, 3, 1776-1781.	3.2	36
175	Stochastic precession of the polarization in a polariton laser. Physical Review B, 2016, 93, .	1.1	13
176	Precessional magnetization switching by a surface acoustic wave. Physical Review B, 2016, 93, .	1.1	67
177	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
178	Direct measurement of coherent subterahertz acoustic phonons mean free path in GaAs. Physical Review B, 2016, 93, .	1.1	30
179	Bosonic Condensation and Disorder-Induced Localization in a Flat Band. Physical Review Letters, 2016, 116, 066402.	2.9	246
180	Phase-Controlled Bistability of a Dark Soliton Train in a Polariton Fluid. Physical Review Letters, 2016, 117, 217401.	2.9	39

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181	Exchange interaction-driven dynamic nuclear polarization in Mn-doped InGaAs/GaAs quantum dots. Physical Review B, 2016, 94, .	1.1	1
182	Interaction-induced hopping phase in driven-dissipative coupled photonic microcavities. Nature Communications, 2016, 7, 11887.	5.8	74
183	Coherent manipulation of a solid-state artificial atom with few photons. Nature Communications, 2016, 7, 11986.	5.8	55
184	Optical properties of type-II AlInAs/AlGaAs quantum dots by photoluminescence studies. Journal of Applied Physics, 2016, 120, 035701.	1.1	3
185	Multi-user quantum key distribution with entangled photons from an AlGaAs chip. Quantum Science and Technology, 2016, 1, 01LT02.	2.6	29
186	Enhanced second-harmonic generation from magnetic resonance in AlGaAs nanoantennas. , 2016, , .		0
187	Near-optimal single-photon sources in the solid state. Nature Photonics, 2016, 10, 340-345.	15.6	858
188	Temperature effects on the radiative recombination in InAlAs/GaAlAs quantum dots. Solid State Communications, 2016, 227, 9-12.	0.9	3
189	Theoretical Model and Experimental Study of Effects of Rapid Thermal Annealing on Self-assembled In(Ga)As/GaAs Quantum Dots. Silicon, 2016, 8, 1-9.	1.8	4
190	Multi-User Quantum Key Distribution with Entangled Photons from a Semiconductor Chip. , 2016, , .		0
191	Optical Control of the Optical Spin Hall Effect. , 2016, , .		0
192	Nonequilibrium polariton condensate in a magnetic field. Physical Review B, 2015, 91, .	1.1	29
193	Current-induced fingering instability in magnetic domain walls. Physical Review B, 2015, 92, .	1.1	1
194	Dynamical optical tuning of the coherent phonon detection sensitivity in DBR-based GaAs optomechanical resonators. Physical Review B, 2015, 92, .	1.1	10
195	Cavity-enhanced two-photon interference using remote quantum dot sources. Physical Review B, 2015, 92, .	1.1	60
196	Confinement of gigahertz sound and light in Tamm plasmon resonators. Physical Review B, 2015, 92, .	1.1	9
197	Polariton Resonances for Ultrastrong Coupling Cavity Optomechanics in $\text{GaAs/AlAs/AlAs}$ Quantum Wells. Physical Review Letters. 2015. 115. 267402.	2.9	146
198	Measurements of nuclear spin dynamics by spin-noise spectroscopy. Applied Physics Letters, 2015, 106, .	1.5	33

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199	Realization of an all optical exciton-polariton router. Applied Physics Letters, 2015, 107, .	1.5	66
200	Bright phonon-tuned single-photon source. , 2015, , .		0
201	Observation of the Excitation Ladder in a Microcavity Diode Using Multi-quantum Coherent Optical Photocurrent Spectroscopy. , 2015, , .		0
202	Polarization-Controlled Confined Tamm Plasmon Lasers. ACS Photonics, 2015, 2, 842-848.	3.2	60
203	Macroscopic rotation of photon polarization induced by a single spin. Nature Communications, 2015, 6, 6236.	5.8	73
204	Long-lived spin coherence of indirect excitons in GaAs coupled quantum wells. Europhysics Letters, 2015, 110, 27001.	0.7	9
205	Enhanced two-photon-absorption using sub-wavelength antennas. Proceedings of SPIE, 2015, , .	0.8	0
206	Ultrathin GaAs solar cells with a nanostructured back mirror. , 2015, , .		4
207	Ultrathin GaAs Solar Cells With a Silver Back Mirror. IEEE Journal of Photovoltaics, 2015, 5, 565-570.	1.5	74
208	Acoustic Black Hole in a Stationary Hydrodynamic Flow of Microcavity Polaritons. Physical Review Letters, 2015, 114, 036402.	2.9	114
209	Direct probing of band-structure Berry phase in diluted magnetic semiconductors. Physical Review B, 2015, 91, .	1.1	0
210	Optimizing magneto-optical effects in the ferromagnetic semiconductor GaMnAs. Journal of Magnetism and Magnetic Materials, 2015, 395, 340-344.	1.0	11
211	High-frequency nano-optomechanical disk resonators in liquids. Nature Nanotechnology, 2015, 10, 810-816.	15.6	101
212	Improved optomechanical disk resonator sitting on a pedestal mechanical shield. New Journal of Physics, 2015, 17, 023016.	1.2	17
213	Spin-Orbit Coupling for Photons and Polaritons in Microstructures. Physical Review X, 2015, 5, .	2.8	131
214	Long spin relaxation in self-assembled InAs quantum dots observed by pump-probe experiment. , 2015, , .		0
215	Origin of optical losses in gallium arsenide disk whispering gallery resonators. Optics Express, 2015, 23, 19656.	1.7	31
216	Systematic study of the spin stiffness dependence on phosphorus alloying in the ferromagnetic semiconductor (Ga,Mn)As. Applied Physics Letters, 2015, 106, .	1.5	16

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217	Microcavity design for low threshold polariton condensation with ultrashort optical pulse excitation. <i>Journal of Applied Physics</i> , 2015, 117, 205702.	1.1	1
218	Edge states in polariton honeycomb lattices. <i>2D Materials</i> , 2015, 2, 034012.	2.0	58
219	Bright Phonon-Tuned Single-Photon Source. <i>Nano Letters</i> , 2015, 15, 6290-6294.	4.5	34
220	Magnetic-field control of the exciton quantum beats phase in InGaAs/GaAs quantum dots. <i>Physical Review B</i> , 2015, 92, .	1.1	8
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