

Aristide Lemaitre

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

507
papers

17,395
citations

65
h-index

111
g-index

644
ext. papers

20,202
ext. citations

5.4
avg. IF

6.37
L-index

#	Paper	IF	Citations
507	Nonlinear Up- and Down-Conversion in AlGaAs Microdisks Integrated in a Photonic Circuit. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2022 , 247-249	0.2	
506	Polarized and Diffracted Second Harmonic Generation from Semiconductor Metasurfaces. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2022 , 267-269	0.2	
505	Monolithic AlGaAs second-harmonic nanoantennas: erratum. <i>Optics Express</i> , 2021 , 29, 11132	3.3	1
504	Measuring Topological Invariants in a Polaritonic Analog of Graphene. <i>Physical Review Letters</i> , 2021 , 126, 127403	7.4	4
503	Topological optical and phononic interface mode by simultaneous band inversion. <i>Optica</i> , 2021 , 8, 598	8.6	3
502	Bright Polarized Single-Photon Source Based on a Linear Dipole. <i>Physical Review Letters</i> , 2021 , 126, 233601	7.4	13
501	Electro-Optomechanical Modulation Instability in a Semiconductor Resonator. <i>Physical Review Letters</i> , 2021 , 126, 243901	7.4	2
500	All-Optical Beam Steering Using the Polariton Lighthouse Effect. <i>ACS Photonics</i> , 2021 , 8, 449-454	6.3	1
499	Topological surface states in epitaxial (SnBi ₂ Te ₄) _n (Bi ₂ Te ₃) _m natural van der Waals superlattices. <i>Physical Review Materials</i> , 2021 , 5,	3.2	3
498	Fiber-based angular filtering for high-resolution Brillouin spectroscopy in the 20-300 GHz frequency range. <i>Optics Express</i> , 2021 , 29, 2637-2646	3.3	1
497	Quantitative Assessment of Carrier Density by Cathodoluminescence. I. GaAs Thin Films and Modeling. <i>Physical Review Applied</i> , 2021 , 15,	4.3	2
496	Hong-Ou-Mandel Interference with Imperfect Single Photon Sources. <i>Physical Review Letters</i> , 2021 , 126, 063602	7.4	9
495	Flexible entanglement-distribution network with an AlGaAs chip for secure communications. <i>Npj Quantum Information</i> , 2021 , 7,	8.6	7
494	Anyonic Two-Photon Statistics with a Semiconductor Chip. <i>ACS Photonics</i> , 2021 , 8, 2764-2769	6.3	1
493	A multiphysics model for ultra-high frequency optomechanical resonators optically actuated and detected in the oscillating mode. <i>APL Photonics</i> , 2021 , 6, 086111	5.2	1
492	Sequential generation of linear cluster states from a single photon emitter. <i>Nature Communications</i> , 2020 , 11, 5501	17.4	9
491	Deterministic assembly of a charged-quantum-dot micropillar cavity device. <i>Physical Review B</i> , 2020 , 102,	3.3	1

490	Multi-orbital tight binding model for cavity-polariton lattices. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 315402	1.8	10
489	Emergence of criticality through a cascade of delocalization transitions in quasiperiodic chains. <i>Nature Physics</i> , 2020 , 16, 832-836	16.2	14
488	Exploring the shear strain contribution to the uniaxial magnetic anisotropy of (Ga,Mn)As. <i>Journal of Applied Physics</i> , 2020 , 127, 093901	2.5	1
487	Second-Harmonic Generation in Suspended AlGaAs Waveguides: A Comparative Study. <i>Micromachines</i> , 2020 , 11,	3.3	2
486	Reproducibility of High-Performance Quantum Dot Single-Photon Sources. <i>ACS Photonics</i> , 2020 , 7, 10504-10509	19.59	23
485	Generation and symmetry control of quantum frequency combs. <i>Npj Quantum Information</i> , 2020 , 6,	8.6	8
484	Optomechanical detection of vibration modes of a single bacterium. <i>Nature Nanotechnology</i> , 2020 , 15, 469-474	28.7	36
483	Time- and space-resolved nonlinear magnetoacoustic dynamics. <i>Physical Review B</i> , 2020 , 101,	3.3	1
482	Frequency doubling and parametric fluorescence in a four-port aluminum gallium arsenide photonic chip. <i>Optics Letters</i> , 2020 , 45, 2878-2881	3	4
481	Engineering two-photon wavefunction and exchange statistics in a semiconductor chip. <i>Optica</i> , 2020 , 7, 316	8.6	11
480	Fiber-integrated microcavities for efficient generation of coherent acoustic phonons. <i>Applied Physics Letters</i> , 2020 , 117, 183102	3.4	2
479	Excitation Ladder of Cavity Polaritons. <i>Physical Review Letters</i> , 2020 , 125, 067403	7.4	6
478	Spin-orbit torque switching of a ferromagnet with picosecond electrical pulses. <i>Nature Electronics</i> , 2020 , 3, 680-686	28.4	20
477	Room-Temperature Lasing in a Low-Loss Tamm Plasmon Cavity. <i>ACS Photonics</i> , 2020 , 7, 2952-2957	6.3	7
476	Semi-Dirac Transport and Anisotropic Localization in Polariton Honeycomb Lattices. <i>Physical Review Letters</i> , 2020 , 125, 186601	7.4	8
475	Direct observation of photonic Landau levels and helical edge states in strained honeycomb lattices. <i>Light: Science and Applications</i> , 2020 , 9, 144	16.7	12
474	Force Sensing with an Optomechanical Self-Oscillator. <i>Physical Review Applied</i> , 2020 , 14,	4.3	6
473	Parametric instability in coupled nonlinear microcavities. <i>Physical Review A</i> , 2020 , 102,	2.6	1

472	Dispersion relation of the collective excitations in a resonantly driven polariton fluid. <i>Nature Communications</i> , 2019 , 10, 3869	17.4	17
471	Nonlinear Polariton Fluids in a Flatband Reveal Discrete Gap Solitons. <i>Physical Review Letters</i> , 2019 , 123, 113901	7.4	22
470	Field-Free Magnetization Switching by an Acoustic Wave. <i>Physical Review Applied</i> , 2019 , 11,	4.3	21
469	Three-dimensional trapping of light with light in semiconductor planar microcavities. <i>Physical Review B</i> , 2019 , 99,	3.3	2
468	Universal dimensional crossover of domain wall dynamics in ferromagnetic films. <i>Physical Review B</i> , 2019 , 99,	3.3	7
467	Zero-Order Second Harmonic Generation from AlGaAs-on-Insulator Metasurfaces. <i>ACS Photonics</i> , 2019 , 6, 1226-1231	6.3	35
466	Real Space Observation of Electronic Coupling between Self-Assembled Quantum Dots. <i>Nano Letters</i> , 2019 , 19, 3699-3706	11.5	4
465	Defect Proliferation at the Quasicondensate Crossover of Two-Dimensional Dipolar Excitons Trapped in Coupled GaAs Quantum Wells. <i>Physical Review Letters</i> , 2019 , 122, 117402	7.4	7
464	Coherent generation and detection of acoustic phonons in topological nanocavities. <i>APL Photonics</i> , 2019 , 4, 030805	5.2	14
463	Optically controlling the emission chirality of microlasers. <i>Nature Photonics</i> , 2019 , 13, 283-288	33.9	64
462	Overcomplete quantum tomography of a path-entangled two-photon state. <i>Physical Review A</i> , 2019 , 99,	2.6	2
461	Generation of non-classical light in a photon-number superposition. <i>Nature Photonics</i> , 2019 , 13, 803-808	33.9	22
460	Type-III and Tilted Dirac Cones Emerging from Flat Bands in Photonic Orbital Graphene. <i>Physical Review X</i> , 2019 , 9,	9.1	30
459	Orbital angular momentum bistability in a microlaser. <i>Optics Letters</i> , 2019 , 44, 4531-4534	3	4
458	Brillouin scattering in hybrid optophononic Bragg micropillar resonators at 300 GHz. <i>Optica</i> , 2019 , 6, 854	8.6	8
457	Spontaneous photon-pair generation from a dielectric nanoantenna. <i>Optica</i> , 2019 , 6, 1416	8.6	44
456	Interfacing scalable photonic platforms: solid-state based multi-photon interference in a reconfigurable glass chip. <i>Optica</i> , 2019 , 6, 1471	8.6	10
455	Generating multi-photon entangled states from a single deterministic single-photon source 2019 ,		1

454	Emergence of quantum correlations from interacting fibre-cavity polaritons. <i>Nature Materials</i> , 2019 , 18, 213-218	27	70
453	Common universal behavior of magnetic domain walls driven by spin-polarized electrical current and magnetic field. <i>Physical Review B</i> , 2019 , 100,	3.3	10
452	Quantum well photoelastic comb for ultra-high frequency cavity optomechanics. <i>Quantum Science and Technology</i> , 2019 , 4, 014011	5.5	1
451	Effect of Al Ratio on Photoluminescence and Raman Scattering of InAlAs/AlGaAs Quantum Dots. <i>Silicon</i> , 2019 , 11, 2471-2474	2.4	0
450	Retrapping of carrier emission in photoluminescence decay time in InAlAs quantum dots with different thickness. <i>Optical Materials</i> , 2018 , 78, 126-131	3.3	
449	Topological nanophononic states by band inversion. <i>Physical Review B</i> , 2018 , 97,	3.3	26
448	Towards an integrated AlGaAs waveguide platform for phase and polarisation shaping. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 05LT01	1.7	8
447	Resonance fluorescence revival in a voltage-controlled semiconductor quantum dot. <i>Applied Physics Letters</i> , 2018 , 112, 073103	3.4	5
446	On-chip III-V monolithic integration of heralded single photon sources and beamsplitters. <i>Applied Physics Letters</i> , 2018 , 112, 071105	3.4	12
445	Spin temperature concept verified by optical magnetometry of nuclear spins. <i>Physical Review B</i> , 2018 , 97,	3.3	9
444	Quantum-size Dependence of Fine Structure and Spin Lifetime in Self-assembled InAlAs/AlGaAs Quantum Dots. <i>Silicon</i> , 2018 , 10, 147-151	2.4	
443	Structural and physical properties of InAlAs quantum dots grown on GaAs. <i>Physica B: Condensed Matter</i> , 2018 , 535, 262-267	2.8	1
442	Nonlinear Polariton Localization in Strongly Coupled Driven-Dissipative Microcavities. <i>ACS Photonics</i> , 2018 , 5, 95-99	6.3	4
441	Optical cavity mode dynamics and coherent phonon generation in high-Q micropillar resonators. <i>Physical Review A</i> , 2018 , 98,	2.6	4
440	Optoelectronic forces with quantum wells for cavity optomechanics in GaAs/AlAs semiconductor microcavities. <i>Physical Review B</i> , 2018 , 97,	3.3	9
439	Spin relaxation of indirect excitons in asymmetric coupled quantum wells. <i>Superlattices and Microstructures</i> , 2018 , 122, 643-649	2.8	3
438	Lasing in optically induced gap states in photonic graphene 2018 , 5,		3
437	Scaling rules in optomechanical semiconductor micropillars. <i>Physical Review A</i> , 2018 , 98,	2.6	2

436	Angular-resolved photoemission electron spectroscopy and transport studies of the elemental topological insulator Bi_2Se_3 . <i>Physical Review B</i> , 2018 , 98,	3.3	19
435	Dark-bright exciton coupling in asymmetric quantum dots. <i>Physical Review B</i> , 2018 , 98,	3.3	5
434	Unstable and stable regimes of polariton condensation. <i>Optica</i> , 2018 , 5, 1163	8.6	21
433	Topological acoustics in coupled nanocavity arrays. <i>Physical Review B</i> , 2018 , 98,	3.3	14
432	Temporal coherence of spatially indirect excitons across Bose-Einstein condensation: the role of free carriers. <i>New Journal of Physics</i> , 2018 , 20, 073049	2.9	5
431	Magneto-optical Kerr spectroscopy in ferromagnetic semiconductors: determination of the intrinsic complex magneto-optical Voigt constant. <i>Semiconductor Science and Technology</i> , 2018 , 33, 125015	1.8	1
430	Optical Probing of Rayleigh Wave Driven Magnetoacoustic Resonance. <i>Physical Review Applied</i> , 2018 , 10,	4.3	14
429	Metal-dielectric hybrid nanoantennas for efficient frequency conversion at the anapole mode. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 2306-2314	3	33
428	Microscopic Nanomechanical Dissipation in Gallium Arsenide Resonators. <i>Physical Review Letters</i> , 2018 , 120, 223601	7.4	22
427	Resonant magneto-acoustic switching: influence of Rayleigh wave frequency and wavevector. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 244003	1.8	20
426	Accurate measurement of a 96% input coupling into a cavity using polarization tomography. <i>Applied Physics Letters</i> , 2018 , 112, 201101	3.4	4
425	Magnetotransport investigations of (Ga,Mn)As/GaAs Esaki diodes under hydrostatic pressure. <i>Applied Surface Science</i> , 2017 , 396, 1875-1879	6.7	2
424	Scalable high-precision tuning of photonic resonators by resonant cavity-enhanced photoelectrochemical etching. <i>Nature Communications</i> , 2017 , 8, 14267	17.4	30
423	Device for acoustic pulse echo experiments in the subterahertz range. <i>Physical Review B</i> , 2017 , 95,	3.3	3
422	Orbital Edge States in a Photonic Honeycomb Lattice. <i>Physical Review Letters</i> , 2017 , 118, 107403	7.4	53
421	Power density and temperature effects on the photoluminescence spectra of InAlAs/GaAlAs quantum dots. <i>Superlattices and Microstructures</i> , 2017 , 104, 321-330	2.8	4
420	Light-Mediated Cascaded Locking of Multiple Nano-Optomechanical Oscillators. <i>Physical Review Letters</i> , 2017 , 118, 063605	7.4	57
419	Controlling the optical spin Hall effect with light. <i>Applied Physics Letters</i> , 2017 , 110, 061108	3.4	14

418	Active demultiplexing of single photons from a solid-state source. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600297	8.3	35
417	A solid-state single-photon filter. <i>Nature Nanotechnology</i> , 2017 , 12, 663-667	28.7	49
416	Magneto-optical Kerr spectroscopy of (Ga,Mn)(As,P) ferromagnetic layers: Experiments and k.p theory. <i>Journal of Applied Physics</i> , 2017 , 121, 125702	2.5	6
415	Nuclear spin relaxation in n-GaAs: From insulating to metallic regime. <i>Physical Review B</i> , 2017 , 95,	3.3	9
414	Boson Sampling with Single-Photon Fock States from a Bright Solid-State Source. <i>Physical Review Letters</i> , 2017 , 118, 130503	7.4	115
413	Spin transfer and spin-orbit torques in in-plane magnetized (Ga,Mn)As tracks. <i>Physical Review B</i> , 2017 , 95,	3.3	10
412	Role of the substrate in monolithic AlGaAs nonlinear nanoantennas. <i>Nanophotonics</i> , 2017 , 7, 517-521	6.3	7
411	Lasing in topological edge states of a one-dimensional lattice. <i>Nature Photonics</i> , 2017 , 11, 651-656	33.9	390
410	Determination of n-Type Doping Level in Single GaAs Nanowires by Cathodoluminescence. <i>Nano Letters</i> , 2017 , 17, 6667-6675	11.5	24
409	Polarization properties of second-harmonic generation in AlGaAs optical nanoantennas. <i>Optics Letters</i> , 2017 , 42, 559-562	3	41
408	Directionally induced quasi-phase matching in homogeneous AlGaAs waveguides. <i>Optics Letters</i> , 2017 , 42, 4287-4290	3	15
407	Enhancement of spontaneous emission in Tamm plasmon structures. <i>Scientific Reports</i> , 2017 , 7, 9014	4.9	45
406	Measuring topological invariants from generalized edge states in polaritonic quasicrystals. <i>Physical Review B</i> , 2017 , 95,	3.3	45
405	Quantized Vortices and Four-Component Superfluidity of Semiconductor Excitons. <i>Physical Review Letters</i> , 2017 , 118, 127402	7.4	26
404	Counter-rotating standing spin waves: A magneto-optical illusion. <i>Physical Review B</i> , 2017 , 95,	3.3	7
403	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	2.8	1
402	Nanomechanical resonators based on adiabatic periodicity-breaking in a superlattice. <i>Applied Physics Letters</i> , 2017 , 111, 173107	3.4	6
401	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,	4.3	2

400	Spectroscopic signatures for the dark Bose-Einstein condensation of spatially indirect excitons. <i>Europhysics Letters</i> , 2017 , 119, 37004	1.6	14
399	High quality factor confined Tamm modes. <i>Scientific Reports</i> , 2017 , 7, 3859	4.9	17
398	Probing Electron-Phonon Interaction through Two-Photon Interference in Resonantly Driven Semiconductor Quantum Dots. <i>Physical Review Letters</i> , 2017 , 118, 233602	7.4	40
397	Probing a Dissipative Phase Transition via Dynamical Optical Hysteresis. <i>Physical Review Letters</i> , 2017 , 118, 247402	7.4	85
396	Reducing Phonon-Induced Decoherence in Solid-State Single-Photon Sources with Cavity Quantum Electrodynamics. <i>Physical Review Letters</i> , 2017 , 118, 253602	7.4	64
395	Micropillar Resonators for Optomechanics in the Extremely High 19-95-GHz Frequency Range. <i>Physical Review Letters</i> , 2017 , 118, 263901	7.4	42
394	Temperature dependence of hypersound attenuation in silica films via picosecond acoustics. <i>Physical Review B</i> , 2017 , 96,	3.3	5
393	Tamm plasmon sub-wavelength structuration for loss reduction and resonance tuning. <i>Applied Physics Letters</i> , 2017 , 111, 261103	3.4	9
392	Tomography of the optical polarization rotation induced by a single quantum dot in a cavity. <i>Optica</i> , 2017 , 4, 1326	8.6	8
391	High frequency optomechanical disk resonators in III-V ternary semiconductors. <i>Optics Express</i> , 2017 , 25, 24639-24649	3.3	15
390	Surface-enhanced gallium arsenide photonic resonator with quality factor of 6×10^6 . <i>Optica</i> , 2017 , 4, 218	8.6	53
389	Effects of thickness layer on the photoluminescence properties of InAlAs/GaAlAs quantum dots. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	
388	Slow light and slow acoustic phonons in optophononic resonators. <i>Physical Review B</i> , 2016 , 94,	3.3	3
387	Generation and Spatial Control of Hybrid Tamm Plasmon/Surface Plasmon Modes. <i>ACS Photonics</i> , 2016 , 3, 1776-1781	6.3	28
386	Stochastic precession of the polarization in a polariton laser. <i>Physical Review B</i> , 2016 , 93,	3.3	11
385	Precessional magnetization switching by a surface acoustic wave. <i>Physical Review B</i> , 2016 , 93,	3.3	49
384	Strong reduction of the coercivity by a surface acoustic wave in an out-of-plane magnetized epilayer. <i>Physical Review B</i> , 2016 , 93,	3.3	27
383	Direct measurement of coherent subterahertz acoustic phonons mean free path in GaAs. <i>Physical Review B</i> , 2016 , 93,	3.3	23

382	Bosonic Condensation and Disorder-Induced Localization in a Flat Band. <i>Physical Review Letters</i> , 2016 , 116, 066402	7.4	190
381	Phase-Controlled Bistability of a Dark Soliton Train in a Polariton Fluid. <i>Physical Review Letters</i> , 2016 , 117, 217401	7.4	31
380	Exchange interaction-driven dynamic nuclear polarization in Mn-doped InGaAs/GaAs quantum dots. <i>Physical Review B</i> , 2016 , 94,	3.3	1
379	Interaction-induced hopping phase in driven-dissipative coupled photonic microcavities. <i>Nature Communications</i> , 2016 , 7, 11887	17.4	56
378	Coherent manipulation of a solid-state artificial atom with few photons. <i>Nature Communications</i> , 2016 , 7, 11986	17.4	42
377	Optical properties of type-II AlInAs/AlGaAs quantum dots by photoluminescence studies. <i>Journal of Applied Physics</i> , 2016 , 120, 035701	2.5	3
376	Multi-user quantum key distribution with entangled photons from an AlGaAs chip. <i>Quantum Science and Technology</i> , 2016 , 1, 01LT02	5.5	20
375	Near-optimal single-photon sources in the solid state. <i>Nature Photonics</i> , 2016 , 10, 340-345	33.9	603
374	Temperature effects on the radiative recombination in InAlAs/GaAlAs quantum dots. <i>Solid State Communications</i> , 2016 , 227, 9-12	1.6	3
373	Theoretical Model and Experimental Study of Effects of Rapid Thermal Annealing on Self-assembled In(Ga)As/GaAs Quantum Dots. <i>Silicon</i> , 2016 , 8, 1-9	2.4	4
372	Electrically Injected Twin Photon Emitting Lasers at Room Temperature. <i>Technologies</i> , 2016 , 4, 24	2.4	4
371	Monolithic AlGaAs second-harmonic nanoantennas. <i>Optics Express</i> , 2016 , 24, 15965-71	3.3	137
370	Integrated AlGaAs source of highly indistinguishable and energy-time entangled photons. <i>Optica</i> , 2016 , 3, 143	8.6	30
369	200nm-Thick GaAs solar cells with a nanostructured silver mirror 2016 ,		5
368	Steady-state thermal gradient induced by pulsed laser excitation in a ferromagnetic layer. <i>Journal of Applied Physics</i> , 2016 , 119, 153904	2.5	4
367	2016 ,		4
366	Scalable performance in solid-state single-photon sources. <i>Optica</i> , 2016 , 3, 433	8.6	83
365	Rapid thermal annealing and modulation-doping effects on InAs/GaAs quantum dots photoluminescence dependence on excitation power. <i>Physica B: Condensed Matter</i> , 2016 , 493, 53-57	2.8	2

364	Polarization dependence of nonlinear wave mixing of spinor polaritons in semiconductor microcavities. <i>Physical Review B</i> , 2016 , 94,	3.3	6
363	Exciton spin coherence in InGaAs/GaAs quantum dots revisited by heterodyne pump-probe experiment (Withdrawal Notice) 2016 ,		1
362	Spatially direct and indirect optical transitions observed for AlInAs/AlGaAs quantum dots. <i>Superlattices and Microstructures</i> , 2016 , 97, 529-535	2.8	2
361	Universal Pinning Energy Barrier for Driven Domain Walls in Thin Ferromagnetic Films. <i>Physical Review Letters</i> , 2016 , 117, 057201	7.4	49
360	Optimizing magneto-optical effects in the ferromagnetic semiconductor GaMnAs. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 395, 340-344	2.8	10
359	High-frequency nano-optomechanical disk resonators in liquids. <i>Nature Nanotechnology</i> , 2015 , 10, 810-628.7		76
358	Improved optomechanical disk resonator sitting on a pedestal mechanical shield. <i>New Journal of Physics</i> , 2015 , 17, 023016	2.9	17
357	Spin-Orbit Coupling for Photons and Polaritons in Microstructures. <i>Physical Review X</i> , 2015 , 5,	9.1	96
356	Origin of optical losses in gallium arsenide disk whispering gallery resonators. <i>Optics Express</i> , 2015 , 23, 19656-72	3.3	21
355	Systematic study of the spin stiffness dependence on phosphorus alloying in the ferromagnetic semiconductor (Ga,Mn)As. <i>Applied Physics Letters</i> , 2015 , 106, 142408	3.4	16
354	Microcavity design for low threshold polariton condensation with ultrashort optical pulse excitation. <i>Journal of Applied Physics</i> , 2015 , 117, 205702	2.5	0
353	Edge states in polariton honeycomb lattices. <i>2D Materials</i> , 2015 , 2, 034012	5.9	53
352	Bright Phonon-Tuned Single-Photon Source. <i>Nano Letters</i> , 2015 , 15, 6290-4	11.5	32
351	Magnetic-field control of the exciton quantum beats phase in InGaAs/GaAs quantum dots. <i>Physical Review B</i> , 2015 , 92,	3.3	5
350	Semiconductor superlattices: a tool for terahertz acoustics. <i>Ultrasonics</i> , 2015 , 56, 66-79	3.5	14
349	Exciton lifetime and spin dynamics in type-I In _{1-x} Al _x As/Ga _{0.67} Al _{0.33} As quantum dots: Photoluminescence and pump-probe experiments. <i>Journal of Luminescence</i> , 2015 , 158, 136-141	3.8	5
348	Nonequilibrium polariton condensate in a magnetic field. <i>Physical Review B</i> , 2015 , 91,	3.3	23
347	Current-induced fingering instability in magnetic domain walls. <i>Physical Review B</i> , 2015 , 92,	3.3	1

346	Dynamical optical tuning of the coherent phonon detection sensitivity in DBR-based GaAs optomechanical resonators. <i>Physical Review B</i> , 2015 , 92,	3.3	10
345	Cavity-enhanced two-photon interference using remote quantum dot sources. <i>Physical Review B</i> , 2015 , 92,	3.3	42
344	Confinement of gigahertz sound and light in Tamm plasmon resonators. <i>Physical Review B</i> , 2015 , 92,	3.3	7
343	Polariton Resonances for Ultrastrong Coupling Cavity Optomechanics in GaAs/AlAs Multiple Quantum Wells. <i>Physical Review Letters</i> , 2015 , 115, 267402	7.4	31
342	Measurements of nuclear spin dynamics by spin-noise spectroscopy. <i>Applied Physics Letters</i> , 2015 , 106, 242405	3.4	25
341	Realization of an all optical exciton-polariton router. <i>Applied Physics Letters</i> , 2015 , 107, 201115	3.4	52
340	Polarization-Controlled Confined Tamm Plasmon Lasers. <i>ACS Photonics</i> , 2015 , 2, 842-848	6.3	44
339	Macroscopic rotation of photon polarization induced by a single spin. <i>Nature Communications</i> , 2015 , 6, 6236	17.4	52
338	Long-lived spin coherence of indirect excitons in GaAs coupled quantum wells. <i>Europhysics Letters</i> , 2015 , 110, 27001	1.6	8
337	Ultrathin GaAs solar cells with a nanostructured back mirror 2015 ,		4
336	Ultrathin GaAs Solar Cells With a Silver Back Mirror. <i>IEEE Journal of Photovoltaics</i> , 2015 , 5, 565-570	3.7	56
335	Acoustic black hole in a stationary hydrodynamic flow of microcavity polaritons. <i>Physical Review Letters</i> , 2015 , 114, 036402	7.4	79
334	Polariton-generated intensity squeezing in semiconductor micropillars. <i>Nature Communications</i> , 2014 , 5, 3260	17.4	54
333	Direct observation of Dirac cones and a flatband in a honeycomb lattice for polaritons. <i>Physical Review Letters</i> , 2014 , 112, 116402	7.4	271
332	Electrically injected photon-pair source at room temperature. <i>Physical Review Letters</i> , 2014 , 112, 183901	17.4	53
331	Stochastic current-induced magnetization switching in a single semiconducting ferromagnetic layer. <i>Physical Review Letters</i> , 2014 , 112, 026601	7.4	7
330	Frequency cavity pulling induced by a single semiconductor quantum dot. <i>Physical Review B</i> , 2014 , 89,	3.3	20
329	Polarized metal/semiconductor sources based on confined Tamm plasmons 2014 ,		1

328	Revealing the dark side of a bright exciton-polariton condensate. <i>Nature Communications</i> , 2014 , 5, 4648	17.4	34
327	Fractal energy spectrum of a polariton gas in a Fibonacci quasiperiodic potential. <i>Physical Review Letters</i> , 2014 , 112, 146404	7.4	70
326	Metal Nanogrid for Broadband Multiresonant Light-Harvesting in Ultrathin GaAs Layers. <i>ACS Photonics</i> , 2014 , 1, 878-884	6.3	65
325	Effects of strain on the optoelectronic properties of annealed InGaAs/GaAs self-assembled quantum dots. <i>Semiconductor Science and Technology</i> , 2014 , 29, 075013	1.8	19
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