

Aristide Lemaitre

List of Publications by Citations

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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	Near-optimal single-photon sources in the solid state. <i>Nature Photonics</i> , 2016 , 10, 340-345	33.9	603
506	Exciton-photon strong-coupling regime for a single quantum dot embedded in a microcavity. <i>Physical Review Letters</i> , 2005 , 95, 067401	7.4	569
505	Collective fluid dynamics of a polariton condensate in a semiconductor microcavity. <i>Nature</i> , 2009 , 457, 291-5	50.4	429
504	Ultrabright source of entangled photon pairs. <i>Nature</i> , 2010 , 466, 217-20	50.4	413
503	Lasing in topological edge states of a one-dimensional lattice. <i>Nature Photonics</i> , 2017 , 11, 651-656	33.9	390
502	Spontaneous formation and optical manipulation of extended polariton condensates. <i>Nature Physics</i> , 2010 , 6, 860-864	16.2	375
501	Polariton laser using single micropillar GaAs-GaAlAs semiconductor cavities. <i>Physical Review Letters</i> , 2008 , 100, 047401	7.4	339
500	Strong Electron-Phonon Coupling Regime in Quantum Dots: Evidence for Everlasting Resonant Polarons. <i>Physical Review Letters</i> , 1999 , 83, 4152-4155	7.4	325
499	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
498	Bright solid-state sources of indistinguishable single photons. <i>Nature Communications</i> , 2013 , 4, 1425	17.4	257
497	Persistent currents and quantized vortices in a polariton superfluid. <i>Nature Physics</i> , 2010 , 6, 527-533	16.2	223
496	Controlled light-matter coupling for a single quantum dot embedded in a pillar microcavity using far-field optical lithography. <i>Physical Review Letters</i> , 2008 , 101, 267404	7.4	222
495	High-Q wet-etched GaAs microdisks containing InAs quantum boxes. <i>Applied Physics Letters</i> , 1999 , 75, 1908-1910	3.4	204
494	Macroscopic quantum self-trapping and Josephson oscillations of exciton polaritons. <i>Nature Physics</i> , 2013 , 9, 275-279	16.2	194
493	Bosonic Condensation and Disorder-Induced Localization in a Flat Band. <i>Physical Review Letters</i> , 2016 , 116, 066402	7.4	190
492	Enhancement of the spin accumulation at the interface between a spin-polarized tunnel junction and a semiconductor. <i>Physical Review Letters</i> , 2009 , 102, 036601	7.4	184
491	Confined Tamm plasmon lasers. <i>Nano Letters</i> , 2013 , 13, 3179-84	11.5	163

490	Charged and neutral exciton complexes in individual self-assembled In(Ga)As quantum dots. <i>Physical Review B</i> , 2001 , 63,	3.3	158
489	Spin precession and inverted Hanle effect in a semiconductor near a finite-roughness ferromagnetic interface. <i>Physical Review B</i> , 2011 , 84,	3.3	153
488	Polariton-polariton interaction constants in microcavities. <i>Physical Review B</i> , 2010 , 82,	3.3	146
487	Monolithic AlGaAs second-harmonic nanoantennas. <i>Optics Express</i> , 2016 , 24, 15965-71	3.3	137
486	High frequency GaAs nano-optomechanical disk resonator. <i>Physical Review Letters</i> , 2010 , 105, 263903	7.4	132
485	Observation of multicharged excitons and biexcitons in a single InGaAs quantum dot. <i>Physical Review B</i> , 2001 , 63,	3.3	132
484	Third-harmonic generation in InAs/GaAs self-assembled quantum dots. <i>Physical Review B</i> , 1999 , 59, 9830-9833	3.3	131
483	Influence of an in-plane electric field on exciton fine structure in InAs-GaAs self-assembled quantum dots. <i>Applied Physics Letters</i> , 2005 , 86, 041907	3.4	130
482	Polariton condensation in solitonic gap states in a one-dimensional periodic potential. <i>Nature Communications</i> , 2013 , 4, 1749	17.4	128
481	Interactions in confined polariton condensates. <i>Physical Review Letters</i> , 2011 , 106, 126401	7.4	124
480	Hole-nuclear spin interaction in quantum dots. <i>Physical Review Letters</i> , 2009 , 102, 146601	7.4	122
479	Optically probing the fine structure of a single Mn atom in an InAs quantum dot. <i>Physical Review Letters</i> , 2007 , 99, 247209	7.4	120
478	Evidence for confined tamm plasmon modes under metallic microdisks and application to the control of spontaneous optical emission. <i>Physical Review Letters</i> , 2011 , 107, 247402	7.4	116
477	Boson Sampling with Single-Photon Fock States from a Bright Solid-State Source. <i>Physical Review Letters</i> , 2017 , 118, 130503	7.4	115
476	Parametric oscillation in vertical triple microcavities. <i>Nature</i> , 2006 , 440, 904-7	50.4	115
475	Polariton condensation in photonic molecules. <i>Physical Review Letters</i> , 2012 , 108, 126403	7.4	105
474	Realization of a double-barrier resonant tunneling diode for cavity polaritons. <i>Physical Review Letters</i> , 2013 , 110, 236601	7.4	101
473	All-optical phase modulation in a cavity-polariton Mach-Zehnder interferometer. <i>Nature Communications</i> , 2014 , 5, 3278	17.4	97

472	Spin-Orbit Coupling for Photons and Polaritons in Microstructures. <i>Physical Review X</i> , 2015 , 5,	9.1	96
471	Dynamic nuclear polarization of a single charge-tunable InAs/GaAs quantum dot. <i>Physical Review B</i> , 2006 , 74,	3.3	96
470	Bistability of the nuclear polarization created through optical pumping in In _{1-x} Ga _x As quantum dots. <i>Physical Review B</i> , 2006 , 74,	3.3	95
469	Giant Rabi splitting between localized mixed plasmon-exciton states in a two-dimensional array of nanosize metallic disks in an organic semiconductor. <i>Physical Review B</i> , 2009 , 80,	3.3	93
468	Indistinguishable single photons from a single-quantum dot in a two-dimensional photonic crystal cavity. <i>Applied Physics Letters</i> , 2005 , 87, 163107	3.4	93
467	Propagation and amplification dynamics of 1D polariton condensates. <i>Physical Review Letters</i> , 2012 , 109, 216404	7.4	90
466	Emission of Tamm plasmon/exciton polaritons. <i>Applied Physics Letters</i> , 2009 , 95, 151114	3.4	90
465	Robust quantum dot exciton generation via adiabatic passage with frequency-swept optical pulses. <i>Physical Review Letters</i> , 2011 , 106, 166801	7.4	87
464	Probing a Dissipative Phase Transition via Dynamical Optical Hysteresis. <i>Physical Review Letters</i> , 2017 , 118, 247402	7.4	85
463	Deterministic and electrically tunable bright single-photon source. <i>Nature Communications</i> , 2014 , 5, 3240	7.4	85
462	Optical bistability in a GaAs-based polariton diode. <i>Physical Review Letters</i> , 2008 , 101, 266402	7.4	85
461	Subterahertz phonon dynamics in acoustic nanocavities. <i>Physical Review Letters</i> , 2006 , 97, 115502	7.4	85
460	Enhanced phonon-assisted absorption in single InAs/GaAs quantum dots. <i>Physical Review B</i> , 2001 , 63,	3.3	84
459	Scalable performance in solid-state single-photon sources. <i>Optica</i> , 2016 , 3, 433	8.6	83
458	Spontaneous formation of a polariton condensate in a planar GaAs microcavity. <i>Applied Physics Letters</i> , 2009 , 95, 051108	3.4	82
457	Composition profiling of InAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2004 , 85, 3717-3719	3.4	82
456	Polariton light-emitting diode in a GaAs-based microcavity. <i>Physical Review B</i> , 2008 , 77,	3.3	80
455	Acoustic black hole in a stationary hydrodynamic flow of microcavity polaritons. <i>Physical Review Letters</i> , 2015 , 114, 036402	7.4	79

454	Photon lasing in GaAs microcavity: Similarities with a polariton condensate. <i>Physical Review B</i> , 2007 , 76,	3.3	79
453	Electric-field-dependent carrier capture and escape in self-assembled InAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2000 , 77, 4344-4346	3.4	77
452	High-frequency nano-optomechanical disk resonators in liquids. <i>Nature Nanotechnology</i> , 2015 , 10, 810-628.7		76
451	Direct Bell states generation on a III-V semiconductor chip at room temperature. <i>Physical Review Letters</i> , 2013 , 110, 160502	7.4	75
450	Wavelength-sized GaAs optomechanical resonators with gigahertz frequency. <i>Applied Physics Letters</i> , 2011 , 98, 113108	3.4	74
449	Spin transfer experiments on (Ga,Mn)As/(In,Ga)As/(Ga,Mn)As tunnel junctions. <i>Physical Review B</i> , 2006 , 73,	3.3	73
448	Electrical control of hole spin relaxation in charge tunable InAs/GaAs quantum dots. <i>Physical Review Letters</i> , 2005 , 94, 147401	7.4	71
447	Fractal energy spectrum of a polariton gas in a Fibonacci quasiperiodic potential. <i>Physical Review Letters</i> , 2014 , 112, 146404	7.4	70
446	Emergence of quantum correlations from interacting fibre-cavity polaritons. <i>Nature Materials</i> , 2019 , 18, 213-218	27	70
445	Single photon source using confined Tamm plasmon modes. <i>Applied Physics Letters</i> , 2012 , 100, 232111	3.4	68
444	Infrared second-order optical susceptibility in InAs/GaAs self-assembled quantum dots. <i>Physical Review B</i> , 2000 , 61, 5562-5570	3.3	68
443	Metal Nanogrid for Broadband Multiresonant Light-Harvesting in Ultrathin GaAs Layers. <i>ACS Photonics</i> , 2014 , 1, 878-884	6.3	65
442	Restoration of photon indistinguishability in the emission of a semiconductor quantum dot. <i>Physical Review B</i> , 2005 , 72,	3.3	65
441	Optically controlling the emission chirality of microlasers. <i>Nature Photonics</i> , 2019 , 13, 283-288	33.9	64
440	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
439	Origin of the optical emission within the cavity mode of coupled quantum dot-cavity systems. <i>Physical Review Letters</i> , 2009 , 103, 027401	7.4	64
438	Irreversible magnetization switching using surface acoustic waves. <i>Physical Review B</i> , 2013 , 87,	3.3	63
437	Element-sensitive measurement of the hole nuclear spin interaction in quantum dots. <i>Nature Physics</i> , 2013 , 9, 74-78	16.2	61

436	Quantum dot-cavity strong-coupling regime measured through coherent reflection spectroscopy in a very high-Q micropillar. <i>Applied Physics Letters</i> , 2010 , 97, 241110	3.4	61
435	High-resolution spectral characterization of two photon states via classical measurements. <i>Laser and Photonics Reviews</i> , 2014 , 8, L76-L80	8.3	60
434	Optical nonlinearity for few-photon pulses on a quantum dot-pillar cavity device. <i>Physical Review Letters</i> , 2012 , 109, 166806	7.4	60
433	Adjustable anisotropy in ferromagnetic (Ga,Mn) (As,P) layered alloys. <i>Physical Review B</i> , 2010 , 81,	3.3	59
432	Light-Mediated Cascaded Locking of Multiple Nano-Optomechanical Oscillators. <i>Physical Review Letters</i> , 2017 , 118, 063605	7.4	57
431	Coherent generation of acoustic phonons in an optical microcavity. <i>Physical Review Letters</i> , 2007 , 99, 217405	7.4	57
430	Magnetic properties and domain structure of (Ga,Mn)As films with perpendicular anisotropy. <i>Physical Review B</i> , 2006 , 73,	3.3	57
429	Interaction-induced hopping phase in driven-dissipative coupled photonic microcavities. <i>Nature Communications</i> , 2016 , 7, 11887	17.4	56
428	Ultrathin GaAs Solar Cells With a Silver Back Mirror. <i>IEEE Journal of Photovoltaics</i> , 2015 , 5, 565-570	3.7	56
427	Lifetime of THz acoustic nanocavity modes. <i>Physical Review Letters</i> , 2009 , 102, 015502	7.4	56
426	Lasing in a hybrid GaAs/silver Tamm structure. <i>Applied Physics Letters</i> , 2012 , 100, 121122	3.4	55
425	Strain control of the magnetic anisotropy in (Ga,Mn) (As,P) ferromagnetic semiconductor layers. <i>Applied Physics Letters</i> , 2008 , 93, 021123	3.4	55
424	Polariton-generated intensity squeezing in semiconductor micropillars. <i>Nature Communications</i> , 2014 , 5, 3260	17.4	54
423	Orbital Edge States in a Photonic Honeycomb Lattice. <i>Physical Review Letters</i> , 2017 , 118, 107403	7.4	53
422	Edge states in polariton honeycomb lattices. <i>2D Materials</i> , 2015 , 2, 034012	5.9	53
421	Electrically injected photon-pair source at room temperature. <i>Physical Review Letters</i> , 2014 , 112, 183901	7.4	53
420	Surface-enhanced gallium arsenide photonic resonator with quality factor of 6×10^6 . <i>Optica</i> , 2017 , 4, 218	8.6	53
419	Realization of an all optical exciton-polariton router. <i>Applied Physics Letters</i> , 2015 , 107, 201115	3.4	52

418	Macroscopic rotation of photon polarization induced by a single spin. <i>Nature Communications</i> , 2015 , 6, 6236	17.4	52
417	Excitable phase slips in an injection-locked single-mode quantum-dot laser. <i>Optics Letters</i> , 2009 , 34, 440-2		52
416	Polarization properties of excitonic qubits in single self-assembled quantum dots. <i>Physical Review B</i> , 2012 , 85,	3.3	51
415	A solid-state single-photon filter. <i>Nature Nanotechnology</i> , 2017 , 12, 663-667	28.7	49
414	Precessional magnetization switching by a surface acoustic wave. <i>Physical Review B</i> , 2016 , 93,	3.3	49
413	Second-harmonic generation in AlGaAs microdisks in the telecom range. <i>Optics Letters</i> , 2014 , 39, 3062-53		49
412	Universal Pinning Energy Barrier for Driven Domain Walls in Thin Ferromagnetic Films. <i>Physical Review Letters</i> , 2016 , 117, 057201	7.4	49
411	Ultra-low threshold polariton lasing in photonic crystal cavities. <i>Applied Physics Letters</i> , 2011 , 99, 1111063,4		46
410	Enhancement of spontaneous emission in Tamm plasmon structures. <i>Scientific Reports</i> , 2017 , 7, 9014	4.9	45
409	Measuring topological invariants from generalized edge states in polaritonic quasicrystals. <i>Physical Review B</i> , 2017 , 95,	3.3	45
408	Efficient dynamical nuclear polarization in quantum dots: Temperature dependence. <i>Physical Review B</i> , 2007 , 76,	3.3	45
407	Polarization-Controlled Confined Tamm Plasmon Lasers. <i>ACS Photonics</i> , 2015 , 2, 842-848	6.3	44
406	Spontaneous photon-pair generation from a dielectric nanoantenna. <i>Optica</i> , 2019 , 6, 1416	8.6	44
405	Determination of the local concentrations of Mn interstitials and antisite defects in GaMnAs. <i>Physical Review Letters</i> , 2004 , 93, 086107	7.4	43
404	Saturation of intraband absorption and electron relaxation time in n-doped InAs/GaAs self-assembled quantum dots. <i>Applied Physics Letters</i> , 1998 , 73, 3818-3821	3.4	43
403	Coherent manipulation of a solid-state artificial atom with few photons. <i>Nature Communications</i> , 2016 , 7, 11986	17.4	42
402	Micropillar Resonators for Optomechanics in the Extremely High 19-95-GHz Frequency Range. <i>Physical Review Letters</i> , 2017 , 118, 263901	7.4	42
401	Cavity-enhanced two-photon interference using remote quantum dot sources. <i>Physical Review B</i> , 2015 , 92,	3.3	42

400	Polarization properties of second-harmonic generation in AlGaAs optical nanoantennas. <i>Optics Letters</i> , 2017 , 42, 559-562	3	41
399	Evolution of the magnetic anisotropy with carrier density in hydrogenated Ga _{1-x} MnxAs. <i>Physical Review B</i> , 2007 , 75,	3-3	41
398	Ultraweak-absorption microscopy of a single semiconductor quantum dot in the midinfrared range. <i>Physical Review Letters</i> , 2007 , 99, 217404	7-4	41
397	Tuning the ferromagnetic properties of hydrogenated GaMnAs. <i>Applied Physics Letters</i> , 2005 , 87, 182506	3-4	41
396	Time-resolved probing of the Purcell effect for InAs quantum boxes in GaAs microdisks. <i>Applied Physics Letters</i> , 2001 , 78, 2828-2830	3-4	41
395	Excitation-induced dephasing in a resonantly driven InAs/GaAs quantum dot. <i>Physical Review Letters</i> , 2013 , 111, 026403	7-4	40
394	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
393	Onset and dynamics of vortex-antivortex pairs in polariton optical parametric oscillator superfluids. <i>Physical Review Letters</i> , 2011 , 107, 036401	7-4	40
392	Effect of picosecond strain pulses on thin layers of the ferromagnetic semiconductor (Ga,Mn)(As,P). <i>Physical Review B</i> , 2010 , 82,	3-3	39
391	Scalable implementation of strongly coupled cavity-quantum dot devices. <i>Applied Physics Letters</i> , 2009 , 94, 121102	3-4	38
390	Field-driven domain-wall dynamics in (Ga,Mn)As films with perpendicular anisotropy. <i>Physical Review B</i> , 2008 , 78,	3-3	38
389	Quantum box size effect on vertical self-alignment studied using cross-sectional scanning tunneling microscopy. <i>Applied Physics Letters</i> , 1999 , 74, 2608-2610	3-4	38
388	Spatial, spectral, and polarization properties of coupled micropillar cavities. <i>Applied Physics Letters</i> , 2011 , 99, 101103	3-4	37
387	STM images of subsurface Mn atoms in GaAs: evidence of hybridization of surface and impurity states. <i>Physical Review Letters</i> , 2008 , 101, 196801	7-4	37
386	Universal conductance fluctuations in epitaxial GaMnAs ferromagnets: dephasing by structural and spin disorder. <i>Physical Review Letters</i> , 2007 , 98, 027204	7-4	37
385	Static and dynamic measurements of the F-factor of five-quantum-dot-layer single-mode lasers emitting at 1.3 μ m on GaAs. <i>Applied Physics Letters</i> , 2005 , 86, 211115	3-4	37
384	Efficient acoustic phonon broadening in single self-assembled InAs/GaAs quantum dots. <i>Physical Review B</i> , 2001 , 65,	3-3	37
383	Exchange interactions and magnetism of Co ²⁺ in Zn _{1-x} CoxTe. <i>Physical Review B</i> , 1996 , 53, 674-685	3-3	37

382	Optomechanical detection of vibration modes of a single bacterium. <i>Nature Nanotechnology</i> , 2020 , 15, 469-474	28.7	36
381	Entangling quantum-logic gate operated with an ultrabright semiconductor single-photon source. <i>Physical Review Letters</i> , 2013 , 110, 250501	7.4	36
380	Formation and control of Turing patterns in a coherent quantum fluid. <i>Scientific Reports</i> , 2013 , 3, 3016	4.9	36
379	Anomalous Hanle effect due to optically created transverse overhauser field in single InAs/GaAs quantum dots. <i>Physical Review Letters</i> , 2010 , 104, 056603	7.4	36
378	Bloch oscillations of THz acoustic phonons in coupled nanocavity structures. <i>Physical Review Letters</i> , 2010 , 104, 197402	7.4	36
377	Continuous-wave versus time-resolved measurements of Purcell factors for quantum dots in semiconductor microcavities. <i>Physical Review B</i> , 2009 , 80,	3.3	36
376	Subterahertz monochromatic acoustic wave propagation using semiconductor superlattices as transducers. <i>Physical Review B</i> , 2008 , 78,	3.3	36
375	Evidence for excitonic polarons in InAs/GaAs quantum dots. <i>Physical Review B</i> , 2006 , 73,	3.3	36
374	Nanowave devices for terahertz acoustic phonons. <i>Applied Physics Letters</i> , 2006 , 88, 083113	3.4	36
373	Active demultiplexing of single photons from a solid-state source. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600297	8.3	35
372	Zero-Order Second Harmonic Generation from AlGaAs-on-Insulator Metasurfaces. <i>ACS Photonics</i> , 2019 , 6, 1226-1231	6.3	35
371	Nonadiabatic spin-transfer torque in (Ga,Mn)As with perpendicular anisotropy. <i>Physical Review B</i> , 2009 , 80,	3.3	35
370	Revealing the dark side of a bright exciton-polariton condensate. <i>Nature Communications</i> , 2014 , 5, 4648	17.4	34
369	Controlling the polarization eigenstate of a quantum dot exciton with light. <i>Physical Review Letters</i> , 2009 , 103, 086601	7.4	34
368	Optical bistability in a quantum dots/micropillar device with a quality factor exceeding 200 000. <i>Applied Physics Letters</i> , 2012 , 100, 111111	3.4	33
367	Scanning tunneling spectroscopy of cleaved InAs/GaAs quantum dots at low temperatures. <i>Physical Review B</i> , 2008 , 77,	3.3	33
366	Metal-dielectric hybrid nanoantennas for efficient frequency conversion at the anapole mode. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 2306-2314	3	33
365	Bright Phonon-Tuned Single-Photon Source. <i>Nano Letters</i> , 2015 , 15, 6290-4	11.5	32

364	Ultrahigh Q-frequency product for optomechanical disk resonators with a mechanical shield. <i>Applied Physics Letters</i> , 2013 , 103, 241112	3-4	32
363	Ferromagnetic resonance of Ga _{0.93} Mn _{0.07} As thin films with constant Mn and variable free-hole concentrations. <i>Physical Review B</i> , 2008 , 77,	3-3	32
362	Phase-Controlled Bistability of a Dark Soliton Train in a Polariton Fluid. <i>Physical Review Letters</i> , 2016 , 117, 217401	7-4	31
361	Polariton Resonances for Ultrastrong Coupling Cavity Optomechanics in GaAs/AlAs Multiple Quantum Wells. <i>Physical Review Letters</i> , 2015 , 115, 267402	7-4	31
360	Spontaneous nonground state polariton condensation in pillar microcavities. <i>Physical Review B</i> , 2010 , 81,	3-3	31
359	Magnetic anisotropy of singly Mn-doped InAs/GaAs quantum dots. <i>Physical Review B</i> , 2009 , 80,	3-3	31
358	MgO thickness dependence of spin injection efficiency in spin-light emitting diodes. <i>Applied Physics Letters</i> , 2008 , 93, 152102	3-4	31
357	Scalable high-precision tuning of photonic resonators by resonant cavity-enhanced photoelectrochemical etching. <i>Nature Communications</i> , 2017 , 8, 14267	17-4	30
356	Type-III and Tilted Dirac Cones Emerging from Flat Bands in Photonic Orbital Graphene. <i>Physical Review X</i> , 2019 , 9,	9-1	30
355	Observation of long-lived polariton states in semiconductor microcavities across the parametric threshold. <i>Physical Review Letters</i> , 2009 , 102, 056402	7-4	30
354	Metamorphic approach to single quantum dot emission at 1.55 μ m on GaAs substrate. <i>Journal of Applied Physics</i> , 2008 , 103, 103533	2-5	30
353	Polariton parametric luminescence in a single micropillar. <i>Applied Physics Letters</i> , 2007 , 90, 051107	3-4	30
352	Integrated AlGaAs source of highly indistinguishable and energy-time entangled photons. <i>Optica</i> , 2016 , 3, 143	8-6	30
351	Exchange constant and domain wall width in (Ga,Mn)(As,P) films with self-organization of magnetic domains. <i>Physical Review B</i> , 2010 , 82,	3-3	29
350	Critical optical coupling between a GaAs disk and a nanowaveguide suspended on the chip. <i>Applied Physics Letters</i> , 2011 , 99, 151117	3-4	29
349	Optical pumping and a nondestructive readout of a single magnetic impurity spin in an InAs/GaAs quantum dot. <i>Physical Review Letters</i> , 2011 , 107, 197402	7-4	29
348	Optical alignment and polarization conversion of the neutral-exciton spin in individual InAs/GaAs quantum dots. <i>Physical Review B</i> , 2008 , 77,	3-3	29
347	Determination of the micromagnetic parameters in (Ga,Mn)As using domain theory. <i>Physical Review B</i> , 2007 , 76,	3-3	29

346	Generation and Spatial Control of Hybrid Tamm Plasmon/Surface Plasmon Modes. <i>ACS Photonics</i> , 2016 , 3, 1776-1781	6.3	28
345	Giant photoinduced Faraday rotation due to the spin-polarized electron gas in an n-GaAs microcavity. <i>Physical Review B</i> , 2012 , 85,	3.3	28
344	High speed pulsed electrical spin injection in spin-light emitting diode. <i>Applied Physics Letters</i> , 2009 , 94, 141109	3.4	28
343	Spin drift velocity, polarization, and current-driven domain-wall motion in (Ga,Mn)(As,P). <i>Physical Review Letters</i> , 2012 , 108, 076604	7.4	28
342	Monitoring electrically driven cancellation of exciton fine structure in a semiconductor quantum dot by optical orientation. <i>Applied Physics Letters</i> , 2007 , 91, 183104	3.4	28
341	Dynamics of microcavity polaritons in the presence of an electron gas. <i>Physical Review B</i> , 2006 , 73,	3.3	28
340	Comparison of intraband absorption and photocurrent in InAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2003 , 83, 602-604	3.4	28
339	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
338	Fast control of nuclear spin polarization in an optically pumped single quantum dot. <i>Nature Materials</i> , 2011 , 10, 844-8	27	27
337	Polariton relaxation in semiconductor microcavities: Efficiency of electron-polariton scattering. <i>Physical Review B</i> , 2005 , 72,	3.3	27
336	Midinfrared second-harmonic generation in p-type InAs/GaAs self-assembled quantum dots. <i>Applied Physics Letters</i> , 1999 , 75, 835-837	3.4	27
335	Topological nanophononic states by band inversion. <i>Physical Review B</i> , 2018 , 97,	3.3	26
334	Quantized Vortices and Four-Component Superfluidity of Semiconductor Excitons. <i>Physical Review Letters</i> , 2017 , 118, 127402	7.4	26
333	Exciton polaritons in two-dimensional photonic crystals. <i>Physical Review B</i> , 2009 , 80,	3.3	26
332	Strong in-plane polarized intraband absorption in vertically aligned InGaAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2003 , 82, 3415-3417	3.4	26
331	Measurements of nuclear spin dynamics by spin-noise spectroscopy. <i>Applied Physics Letters</i> , 2015 , 106, 242405	3.4	25
330	Submicron-diameter semiconductor pillar microcavities with very high quality factors. <i>Applied Physics Letters</i> , 2007 , 90, 091120	3.4	25
329	Neutralization of manganese by hydrogen in GaAs. <i>Physica B: Condensed Matter</i> , 2003 , 340-342, 284-287	2.8	25

- 328 Magneto-optical evidence of many-body effects in a spin-polarized two-dimensional electron gas. *Physical Review B*, **2000**, 62, 5059-5065 3-3 25
- 327 Peroxidase Activity of Cytochrome c. *Bulletin of the Korean Chemical Society*, **2004**, 25, 1889-1892 1.2 25
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