

Martin Kamp

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.

443
papers

12,668
citations

54
h-index

95
g-index

575
ext. papers

14,751
ext. citations

4.7
avg, IF

6.07
L-index

#	Paper	IF	Citations
443	Statistical modeling of epitaxial thin films of an intrinsic antiferromagnetic topological insulator. <i>Thin Solid Films</i> , 2022 , 750, 139183	2.2	
442	Antiferromagnetic order in MnBi ₂ Te ₄ films grown on Si(111) by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2022 , 126677	1.6	0
441	Purcell-Enhanced Single Photon Source Based on a Deterministically Placed WSe Monolayer Quantum Dot in a Circular Bragg Grating Cavity. <i>Nano Letters</i> , 2021 , 21, 4715-4720	11.5	10
440	Hard x-ray photoemission spectroscopy of LaVO ₃ /SrTiO ₃ : Band alignment and electronic reconstruction. <i>Physical Review B</i> , 2021 , 103,	3.3	1
439	Correcting STEM distortions in atomically resolved elemental maps. <i>Microscopy and Microanalysis</i> , 2021 , 27, 596-598	0.5	
438	Understanding photoluminescence in semiconductor Bragg-reflection waveguides. <i>Journal of Optics (United Kingdom)</i> , 2021 , 23, 035801	1.7	3
437	Difference-frequency generation in an AlGaAs Bragg-reflection waveguide using an on-chip electrically-pumped quantum dot laser. <i>Journal of Optics (United Kingdom)</i> , 2021 , 23, 085802	1.7	1
436	Electronic structure of epitaxial perovskite films in the two-dimensional limit: Role of the surface termination. <i>Applied Physics Letters</i> , 2020 , 116, 201601	3.4	2
435	Four-wave mixing dynamics of a strongly coupled quantum-dot microcavity system driven by up to 20 photons. <i>Physical Review B</i> , 2020 , 101,	3.3	4
434	Incorporation of Europium in Bi ₂ Te ₃ Topological Insulator Epitaxial Films. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 16048-16057	3.8	5
433	Picosecond pulses from a monolithic GaSb-based passive mode-locked laser. <i>Applied Physics Letters</i> , 2020 , 116, 022102	3.4	4
432	Atomic-Scale Interface Structure in Domain Matching Epitaxial BaBiO ₃ Thin Films Grown on SrTiO ₃ Substrates. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 2000054	2.5	7
431	Acoustic phonon sideband dynamics during polaron formation in a single quantum dot. <i>Optics Letters</i> , 2020 , 45, 919-922	3	7
430	Frequency comb investigation of monolithic mode-locked GaSb-based laser at 1.7 μm by heterodyne detection. <i>Electronics Letters</i> , 2020 , 56, 1206-1208	1.1	
429	Molecular beam epitaxy of the half-Heusler antiferromagnet CuMnSb. <i>Physical Review Materials</i> , 2020 , 4,	3.2	1
428	Picosecond ultrasonics with miniaturized semiconductor lasers. <i>Ultrasonics</i> , 2020 , 106, 106150	3.5	1
427	Molecular beam epitaxy of antiferromagnetic (MnBi ₂ Te ₄)(Bi ₂ Te ₃) thin films on BaF ₂ (111). <i>Journal of Applied Physics</i> , 2020 , 128, 135303	2.5	11

4 ²⁶	Accurate photon echo timing by optical freezing of exciton dephasing and rephasing in quantum dots. <i>Communications Physics</i> , 2020 , 3,	5.4	1
4 ²⁵	Optical Thouless conductance and level-spacing statistics in two-dimensional Anderson localizing systems. <i>Physical Review B</i> , 2019 , 100,	3.3	5
4 ²⁴	Two-kind boson mixture honeycomb Hamiltonian of Bloch exciton-polaritons. <i>Physical Review B</i> , 2019 , 99,	3.3	4
4 ²³	Optimizing the spectro-temporal properties of photon pairs from Bragg-reflection waveguides. <i>Journal of Optics (United Kingdom)</i> , 2019 , 21, 054001	1.7	3
4 ²²	Quantum Interference between Light Sources Separated by 150 Million Kilometers. <i>Physical Review Letters</i> , 2019 , 123, 080401	7.4	28
4 ²¹	99% beta factor and directional coupling of quantum dots to fast light in photonic crystal waveguides determined by spectral imaging. <i>Physical Review B</i> , 2019 , 100,	3.3	11
4 ²⁰	Evanescently Coupled DBR Laser Arrays in the 760-770 nm Wavelength Range. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1319-1322	2.2	4
4 ¹⁹	Photon-number parity of heralded single photons from a Bragg-reflection waveguide reconstructed loss-tolerantly via moment generating function. <i>New Journal of Physics</i> , 2019 , 21, 103025 ^{2.9}	2.9	2
4 ¹⁸	Efficient Quantum Photonic Phase Shift in a Low Q-Factor Regime. <i>ACS Photonics</i> , 2019 , 6, 429-435	6.3	7
4 ¹⁷	Domain matching epitaxy of BaBiO ₃ on SrTiO ₃ with structurally modified interface. <i>Applied Physics Letters</i> , 2018 , 112, 141601	3.4	15
4 ¹⁶	Photon Echo from an Ensemble of (In,Ga)As Quantum Dots. <i>Semiconductors</i> , 2018 , 52, 531-534	0.7	1
4 ¹⁵	Controlled Growth of High-Aspect-Ratio Single-Crystalline Gold Platelets. <i>Crystal Growth and Design</i> , 2018 , 18, 1297-1302	3.5	21
4 ¹⁴	Semi-automatic engineering and tailoring of high-efficiency Bragg-reflection waveguide samples for quantum photonic applications. <i>Quantum Science and Technology</i> , 2018 , 3, 024002	5.5	7
4 ¹³	Enhanced Fluorescence Resonance Energy Transfer in G-Protein-Coupled Receptor Probes on Nanocoated Microscopy Coverslips. <i>ACS Photonics</i> , 2018 , 5, 2225-2233	6.3	5
4 ¹²	Optical tuning of the charge carrier type in the topological regime of InAs/GaSb quantum wells. <i>Physical Review B</i> , 2018 , 98,	3.3	4
4 ¹¹	A Biochemical Sensor Based on a Sensing Waveguide With Efficient Analyte Overlap and a Single-Mode DFB Laser 2018 , 2, 1-3		
4 ¹⁰	Invited Article: Time-bin entangled photon pairs from Bragg-reflection waveguides. <i>APL Photonics</i> , 2018 , 3, 080804	5.2	10
4 ⁰⁹	Live-cell fluorescence imaging with extreme background suppression by plasmonic nanocoatings. <i>Optics Express</i> , 2018 , 26, 21301-21313	3.3	7

408	Toward Scalable Boson Sampling with Photon Loss. <i>Physical Review Letters</i> , 2018 , 120, 230502	7.4	69
407	High quality factor GaAs microcavity with buried bullseye defects. <i>Physical Review Materials</i> , 2018 , 2,	3.2	1
406	Mid-infrared detectors based on resonant tunneling diodes and interband cascade structures 2018 ,		1
405	Rabi oscillations of a quantum dot exciton coupled to acoustic phonons: coherence and population readout. <i>Optica</i> , 2018 , 5, 1442	8.6	11
404	Controlled Ordering of Topological Charges in an Exciton-Polariton Chain. <i>Physical Review Letters</i> , 2018 , 121, 225302	7.4	15
403	Controlling the gain contribution of background emitters in few-quantum-dot microlasers. <i>New Journal of Physics</i> , 2018 , 20, 023036	2.9	3
402	Double-waveguide interband cascade laser with dual-wavelength emission. <i>Applied Physics Letters</i> , 2018 , 113, 251105	3.4	
401	Sharpening emitter localization in front of a tuned mirror. <i>Light: Science and Applications</i> , 2018 , 7, 99	16.7	5
400	Studies of photon echo from exciton ensemble in (In,Ga)As quantum dots. <i>Journal of Physics: Conference Series</i> , 2018 , 951, 012029	0.3	0
399	Tailoring the mode-switching dynamics in quantum-dot micropillar lasers via time-delayed optical feedback. <i>Optics Express</i> , 2018 , 26, 22457-22470	3.3	14
398	Exploring the Photon-Number Distribution of Bimodal Microlasers with a Transition Edge Sensor. <i>Physical Review Applied</i> , 2018 , 9,	4.3	21
397	Room temperature operation of GaSb-based resonant tunneling diodes by prewell injection. <i>Applied Physics Letters</i> , 2017 , 110, 033507	3.4	8
396	Optimizing the active region of interband cascade lasers for passive mode-locking. <i>AIP Advances</i> , 2017 , 7, 015015	1.5	4
395	Photon echoes from (In,Ga)As quantum dots embedded in a Tamm-plasmon microcavity. <i>Physical Review B</i> , 2017 , 95,	3.3	16
394	High-efficiency multiphoton boson sampling. <i>Nature Photonics</i> , 2017 , 11, 361-365	33.9	247
393	Laterally coupled DFB interband cascade laser with tapered ridge. <i>Electronics Letters</i> , 2017 , 53, 743-744	1.1	
392	On-Chip Single-Plasmon Nanocircuit Driven by a Self-Assembled Quantum Dot. <i>Nano Letters</i> , 2017 , 17, 4291-4296	11.5	22
391	Associative learning with Y-shaped floating gate transistors operated in memristive modes. <i>Applied Physics Letters</i> , 2017 , 110, 053503	3.4	6

390	Electrically Tunable Single-Photon Source Triggered by a Monolithically Integrated Quantum Dot Microlaser. <i>ACS Photonics</i> , 2017 , 4, 790-794	6.3	22
389	Picosecond Control of Quantum Dot Laser Emission by Coherent Phonons. <i>Physical Review Letters</i> , 2017 , 118, 133901	7.4	15
388	Transition from Jaynes-Cummings to Autler-Townes ladder in a quantum dot microcavity system. <i>Physical Review B</i> , 2017 , 95,	3.3	10
387	Nanoscale Tipping Bucket Effect in a Quantum Dot Transistor-Based Counter. <i>Nano Letters</i> , 2017 , 17, 2273-2279	11.5	5
386	Coherent coupling of individual quantum dots measured with phase-referenced two-dimensional spectroscopy: Photon echo versus double quantum coherence. <i>Physical Review B</i> , 2017 , 96,	3.3	10
385	Dynamics of the optical spin Hall effect. <i>Physical Review B</i> , 2017 , 96,	3.3	5
384	Emission from quantum-dot high- μ microcavities: transition from spontaneous emission to lasing and the effects of superradiant emitter coupling. <i>Light: Science and Applications</i> , 2017 , 6, e17030	16.7	55
383	Pump-Power-Driven Mode Switching in a Microcavity Device and Its Relation to Bose-Einstein Condensation. <i>Physical Review X</i> , 2017 , 7,	9.1	14
382	Prototype of a bistable polariton field-effect transistor switch. <i>Scientific Reports</i> , 2017 , 7, 5114	4.9	7
381	Quantum State Transfer from a Single Photon to a Distant Quantum-Dot Electron Spin. <i>Physical Review Letters</i> , 2017 , 119, 060501	7.4	22
380	Exciton-polariton flows in cross-dimensional junctions. <i>Physical Review B</i> , 2017 , 95,	3.3	7
379	Strong light-matter coupling in the presence of lasing. <i>Physical Review A</i> , 2017 , 96,	2.6	15
378	Exploring coherence of individual excitons in InAs quantum dots embedded in natural photonic defects: Influence of the excitation intensity. <i>Physical Review B</i> , 2017 , 96,	3.3	6
377	Temperature tuning from direct to inverted bistable electroluminescence in resonant tunneling diodes. <i>Journal of Applied Physics</i> , 2017 , 122, 154502	2.5	6
376	Carrier transfer between confined and localized states in type II InAs/GaAsSb quantum wells. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	2
375	Experimental Verification of the Very Strong Coupling Regime in a GaAs Quantum Well Microcavity. <i>Physical Review Letters</i> , 2017 , 119, 027401	7.4	19
374	Time-Bin-Encoded Boson Sampling with a Single-Photon Device. <i>Physical Review Letters</i> , 2017 , 118, 190501	5.4	86
373	Exciton-polariton trapping and potential landscape engineering. <i>Reports on Progress in Physics</i> , 2017 , 80, 016503	14.4	108

372	Circular and linear photogalvanic effects in type-II GaSb/InAs quantum well structures in the inverted regime. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017 , 85, 193-198	3	7
371	Dimensionality-Driven Metal-Insulator Transition in Spin-Orbit-Coupled SrIrO ₃ . <i>Physical Review Letters</i> , 2017 , 119, 256404	7.4	60
370	Electrical tuning of the oscillator strength in type II InAs/GaSb quantum wells for active region of passively mode-locked interband cascade lasers. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 110301	1.4	5
369	Optimizing single-mode collection from pointlike sources of single photons with adaptive optics. <i>Optics Express</i> , 2017 , 25, 18629-18642	3.3	
368	Acousto-optical nanoscopy of buried photonic nanostructures. <i>Optica</i> , 2017 , 4, 588	8.6	1
367	On-chip optoelectronic feedback in a micropillar laser-detector assembly. <i>Optica</i> , 2017 , 4, 303	8.6	12
366	Temporally versatile polarization entanglement from Bragg reflection waveguides. <i>Optics Letters</i> , 2017 , 42, 2102-2105	3	10
365	Mid infrared DFB interband cascade lasers 2017 ,		7
364	Photoluminescence quenching mechanisms in type II InAs/GaSb QWs on InAs substrates. <i>Optical and Quantum Electronics</i> , 2016 , 48, 1	2.4	5
363	Sensitivity of resonant tunneling diode photodetectors. <i>Nanotechnology</i> , 2016 , 27, 355202	3.4	21
362	Talbot Effect for Exciton Polaritons. <i>Physical Review Letters</i> , 2016 , 117, 097403	7.4	27
361	Highly indistinguishable on-demand resonance fluorescence photons from a deterministic quantum dot micropillar device with 74% extraction efficiency. <i>Optics Express</i> , 2016 , 24, 8539-46	3.3	112
360	Visualising Berry phase and diabolical points in a quantum exciton-polariton billiard. <i>Scientific Reports</i> , 2016 , 6, 37653	4.9	5
359	GaAs integrated quantum photonics: Towards compact and multi-functional quantum photonic integrated circuits. <i>Laser and Photonics Reviews</i> , 2016 , 10, 870-894	8.3	112
358	Innovative mid-infrared detector concepts 2016 ,		4
357	Photoresponse of resonant tunneling diode photodetectors as a function of bias voltage 2016 ,		3
356	Dynamics of excitons in individual InAs quantum dots revealed in four-wave mixing spectroscopy. <i>Optica</i> , 2016 , 3, 377	8.6	26
355	Electro-Photo-Sensitive Memristor for Neuromorphic and Arithmetic Computing. <i>Physical Review Applied</i> , 2016 , 5,	4.3	30

354	Cavity-enhanced simultaneous dressing of quantum dot exciton and biexciton states. <i>Physical Review B</i> , 2016 , 93,	3-3	28
353	Collective state transitions of exciton-polaritons loaded into a periodic potential. <i>Physical Review B</i> , 2016 , 93,	3-3	39
352	Photon echo transients from an inhomogeneous ensemble of semiconductor quantum dots. <i>Physical Review B</i> , 2016 , 93,	3-3	18
351	Impact of exsitu rapid thermal annealing on magneto-optical properties and oscillator strength of In(Ga)As quantum dots. <i>Physical Review B</i> , 2016 , 93,	3-3	3
350	Overcoming power broadening of the quantum dot emission in a pure wurtzite nanowire. <i>Physical Review B</i> , 2016 , 93,	3-3	46
349	Experimental realization of a polariton beam amplifier. <i>Physical Review B</i> , 2016 , 93,	3-3	12
348	Photon-statistics excitation spectroscopy of a single two-level system. <i>Physical Review B</i> , 2016 , 93,	3-3	7
347	Charged quantum dot micropillar system for deterministic light-matter interactions. <i>Physical Review B</i> , 2016 , 93,	3-3	26
346	On-Demand Single Photons with High Extraction Efficiency and Near-Unity Indistinguishability from a Resonantly Driven Quantum Dot in a Micropillar. <i>Physical Review Letters</i> , 2016 , 116, 020401	7-4	507
345	Near-Transform-Limited Single Photons from an Efficient Solid-State Quantum Emitter. <i>Physical Review Letters</i> , 2016 , 116, 213601	7-4	108
344	Coherent Polariton Laser. <i>Physical Review X</i> , 2016 , 6,	9-1	29
343	Observation of the Transition from Lasing Driven by a Bosonic to a Fermionic Reservoir in a GaAs Quantum Well Microcavity. <i>Physical Review Letters</i> , 2016 , 117, 127401	7-4	6
342	Injection Locking of Quantum-Dot Microlasers Operating in the Few-Photon Regime. <i>Physical Review Applied</i> , 2016 , 6,	4-3	15
341	Lasing in Bose-Fermi mixtures. <i>Scientific Reports</i> , 2016 , 6, 20091	4-9	20
340	Probing different regimes of strong field light-matter interaction with semiconductor quantum dots and few cavity photons. <i>New Journal of Physics</i> , 2016 , 18, 123031	2-9	4
339	Single-mode interband cascade laser sources for mid-infrared spectroscopic applications 2016 ,		4
338	Quantum dot micropillar cavities with quality factors exceeding 250,000. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1-9	35
337	Simple Electrical Modulation Scheme for Laser Feedback Imaging. <i>IEEE Sensors Journal</i> , 2016 , 16, 1937-1942		16

336	Effect of Dielectric Medium Anisotropy on the Polarization Degree of Emission from a Single Quantum Dash. <i>Acta Physica Polonica A</i> , 2016 , 129, A-48-A-52	0.6	2
335	Multi-wave coherent control of a solid-state single emitter. <i>Nature Photonics</i> , 2016 , 10, 155-158	33.9	26
334	Room Temperature Carrier Kinetics in the W-type GaInAsSb/InAs/AlSb Quantum Well Structure Emitting in Mid-Infrared Spectral Range. <i>Acta Physica Polonica A</i> , 2016 , 130, 1224-1228	0.6	2
333	Influence of carrier concentration on properties of InAs waveguide layers in interband cascade laser structures. <i>Journal of Applied Physics</i> , 2016 , 120, 043104	2.5	1
332	Microfiber-microcavity system for efficient single photon collection. <i>Optics Express</i> , 2016 , 24, 23471-23480	3.9	3
331	Half adder capabilities of a coupled quantum dot device. <i>Nanotechnology</i> , 2016 , 27, 215201	3.4	
330	Tailoring the photoluminescence polarization anisotropy of a single InAs quantum dash by a post-growth modification of its dielectric environment. <i>Journal of Applied Physics</i> , 2016 , 120, 074303	2.5	7
329	Monolithic single mode interband cascade lasers with wide wavelength tunability. <i>Applied Physics Letters</i> , 2016 , 109, 201109	3.4	9
328	Giant photon bunching, superradiant pulse emission and excitation trapping in quantum-dot nanolasers. <i>Nature Communications</i> , 2016 , 7, 11540	17.4	78
327	Light sensitive memristor with bi-directional and wavelength-dependent conductance control. <i>Applied Physics Letters</i> , 2016 , 109, 023501	3.4	31
326	Circularly polarized lasing in chiral modulated semiconductor microcavity with GaAs quantum wells. <i>Applied Physics Letters</i> , 2016 , 109, 171106	3.4	10
325	On-chip light detection using monolithically integrated quantum dot micropillars. <i>Applied Physics Letters</i> , 2016 , 108, 081110	3.4	7
324	Mimicking of pulse shape-dependent learning rules with a quantum dot memristor. <i>Journal of Applied Physics</i> , 2016 , 120, 134503	2.5	5
323	Single-photon emission of InAs/InP quantum dashes at 1.55 μm and temperatures up to 80 K. <i>Applied Physics Letters</i> , 2016 , 108, 163108	3.4	26
322	An electrically driven cavity-enhanced source of indistinguishable photons with 61% overall efficiency. <i>APL Photonics</i> , 2016 , 1, 011301	5.2	50
321	Type-II quantum wells with tensile-strained GaAsSb layers for interband cascade lasers with tailored valence band mixing. <i>Applied Physics Letters</i> , 2016 , 108, 101905	3.4	9
320	Efficient stray-light suppression for resonance fluorescence in quantum dot micropillars using self-aligned metal apertures. <i>Semiconductor Science and Technology</i> , 2016 , 31, 095007	1.8	4
319	Mode-switching induced super-thermal bunching in quantum-dot microlasers. <i>New Journal of Physics</i> , 2016 , 18, 063011	2.9	32

318	Uncovering dispersion properties in semiconductor waveguides to study photon-pair generation. <i>Nanotechnology</i> , 2016 , 27, 434003	3-4	8
317	Photocurrent readout and electro-optical tuning of resonantly excited exciton polaritons in a trap. <i>Physical Review B</i> , 2015 , 91,	3-3	3
316	Dynamically controlled resonance fluorescence spectra from a doubly dressed single InGaAs quantum dot. <i>Physical Review Letters</i> , 2015 , 114, 097402	7-4	35
315	Quantum-dot-based integrated non-linear sources. <i>IET Optoelectronics</i> , 2015 , 9, 82-87	1.5	
314	Correlations between axial and lateral emission of coupled quantum dot-micropillar cavities. <i>Physical Review B</i> , 2015 , 91,	3-3	11
313	Electronic tuneability of a structurally rigid surface intermetallic and Kondo lattice: CePt5/Pt(111). <i>Physical Review B</i> , 2015 , 92,	3-3	8
312	Single photon emission up to liquid nitrogen temperature from charged excitons confined in GaAs-based epitaxial nanostructures. <i>Applied Physics Letters</i> , 2015 , 106, 233107	3-4	5
311	Unconventional collective normal-mode coupling in quantum-dot-based bimodal microlasers. <i>Physical Review A</i> , 2015 , 91,	2.6	12
310	Coupling polariton quantum boxes in sub-wavelength grating microcavities. <i>Applied Physics Letters</i> , 2015 , 106, 051104	3-4	21
309	Voltage fluctuation to current converter with Coulomb-coupled quantum dots. <i>Physical Review Letters</i> , 2015 , 114, 146805	7-4	93
308	Structural and optical properties of position-retrievable low-density GaAs droplet epitaxial quantum dots for application to single photon sources with plasmonic optical coupling. <i>Nanoscale Research Letters</i> , 2015 , 10, 114	5	6
307	A Pulsed Nonclassical Light Source Driven by an Integrated Electrically Triggered Quantum Dot Microlaser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 681-689	3.8	17
306	Interband cascade lasers. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 123001	3	159
305	Cavity-enhanced AlGaAs/GaAs resonant tunneling photodetectors for telecommunication wavelength light detection at 1.3 μm 2015 ,		3
304	InAs-based interband-cascade-lasers emitting around 7 μm with threshold current densities below 1 kA/cm ² at room temperature. <i>Applied Physics Letters</i> , 2015 , 106, 041108	3-4	23
303	p- to n-type conductivity transition in 1.0 eV GaInNAs solar cells controlled by the V/III ratio. <i>Applied Physics Letters</i> , 2015 , 106, 063905	3-4	10
302	Single-mode interband cascade lasers emitting below 2.8 μm . <i>Applied Physics Letters</i> , 2015 , 106, 161103	3-4	20
301	Graded band gap GaInNAs solar cells. <i>Applied Physics Letters</i> , 2015 , 106, 233902	3-4	7

300	On the modified active region design of interband cascade lasers. <i>Journal of Applied Physics</i> , 2015 , 117, 084312	2.5	4
299	Widely-tunable interband cascade lasers for the mid-infrared 2015 ,		2
298	Observation of non-Hermitian degeneracies in a chaotic exciton-polariton billiard. <i>Nature</i> , 2015 , 526, 554-8	50.4	281
297	Photocurrent-voltage relation of resonant tunneling diode photodetectors. <i>Applied Physics Letters</i> , 2015 , 107, 081104	3.4	17
296	Electrically driven optical antennas. <i>Nature Photonics</i> , 2015 , 9, 582-586	33.9	168
295	Impact of lateral carrier confinement on electro-optical tuning properties of polariton condensates. <i>Applied Physics Letters</i> , 2015 , 107, 041108	3.4	6
294	Dynamics of spatial coherence and momentum distribution of polaritons in a semiconductor microcavity under conditions of Bose-Einstein condensation. <i>JETP Letters</i> , 2015 , 101, 513-518	1.2	5
293	Two-photon interference at telecom wavelengths for time-bin-encoded single photons from quantum-dot spin qubits. <i>Nature Communications</i> , 2015 , 6, 8955	17.4	20
292	Waveguide Nanowire Superconducting Single-Photon Detectors Fabricated on GaAs and the Study of Their Optical Properties. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 1-10	3.8	157
291	Observation of resonance fluorescence and the Mollow triplet from a coherently driven site-controlled quantum dot. <i>Optica</i> , 2015 , 2, 1072	8.6	16
290	Deterministic generation of bright single resonance fluorescence photons from a Purcell-enhanced quantum dot-micropillar system. <i>Optics Express</i> , 2015 , 23, 32977-85	3.3	16
289	Logical Stochastic Resonance with a Coulomb-Coupled Quantum-Dot Rectifier. <i>Physical Review Applied</i> , 2015 , 4,	4.3	35
288	Two-photon interference from a quantum dot microcavity: Persistent pure dephasing and suppression of time jitter. <i>Physical Review B</i> , 2015 , 91,	3.3	24
287	Transient optical parametric oscillations in resonantly pumped multistable cavity polariton condensates. <i>Physical Review B</i> , 2015 , 92,	3.3	5
286	Surface-interface coupling in an oxide heterostructure: Impact of adsorbates on LaAlO ₃ /SrTiO ₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	35
285	Compensation of phonon-induced renormalization of vacuum Rabi splitting in large quantum dots: Towards temperature-stable strong coupling in the solid state with quantum dot-micropillars. <i>Physical Review B</i> , 2015 , 92,	3.3	8
284	Ghost Branch Photoluminescence From a Polariton Fluid Under Nonresonant Excitation. <i>Physical Review Letters</i> , 2015 , 115, 186401	7.4	17
283	Controlling circular polarization of light emitted by quantum dots using chiral photonic crystal slabs. <i>Physical Review B</i> , 2015 , 92,	3.3	25

282	All-optical flow control of a polariton condensate using nonresonant excitation. <i>Physical Review B</i> , 2015 , 91,	3-3	33
281	Photon-Statistics Excitation Spectroscopy of a Quantum-Dot Micropillar Laser. <i>Physical Review Letters</i> , 2015 , 115, 027401	7-4	15
280	Efficient single photon source based on fibre-coupled tunable microcavity. <i>Scientific Reports</i> , 2015 , 5, 14309	4-9	19
279	Direct fiber-coupled single photon source based on a photonic crystal waveguide. <i>Applied Physics Letters</i> , 2015 , 107, 081113	3-4	3
278	InAs-based distributed feedback interband cascade lasers. <i>Applied Physics Letters</i> , 2015 , 107, 181105	3-4	8
277	Broadband indistinguishability from bright parametric downconversion in a semiconductor waveguide. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 125201	1-7	14
276	Optical bistability in electrically driven polariton condensates. <i>Physical Review B</i> , 2015 , 91,	3-3	23
275	Enhanced single photon emission from positioned InP/GaInP quantum dots coupled to a confined Tamm-plasmon mode. <i>Applied Physics Letters</i> , 2015 , 106, 041113	3-4	25
274	Memristive operation mode of a site-controlled quantum dot floating gate transistor. <i>Applied Physics Letters</i> , 2015 , 106, 203501	3-4	12
273	Nanothermometer Based on Resonant Tunneling Diodes: From Cryogenic to Room Temperatures. <i>ACS Nano</i> , 2015 , 9, 6271-7	16-7	18
272	An electrically pumped polariton laser 2015 ,		1
271	Submonolayer Uniformity of Type II InAs/GaInSb W-shaped Quantum Wells Probed by Full-Wafer Photoluminescence Mapping in the Mid-infrared Spectral Range. <i>Nanoscale Research Letters</i> , 2015 , 10, 402	5	5
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