Martin Kamp

List of Publications by Year
in descending order

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573 papers	16,105 citations	22099 59 h-index	25716 108 g-index
575 all docs	575 docs citations	575 times ranked	11300 citing authors

#	Article	IF	Citations
1	On-Demand Single Photons with High Extraction Efficiency and Near-Unity Indistinguishability from a Resonantly Driven Quantum Dot in a Micropillar. Physical Review Letters, 2016, 116, 020401.	2.9	675
2	On-demand semiconductor single-photon source with near-unity indistinguishability. Nature Nanotechnology, 2013, 8, 213-217.	15.6	444
3	Quantum-dot spinâ€“photon entanglement via frequency downconversion to telecom wavelength. Nature, 2012, 491, 421-425.	13.7	423
4	Observation of non-Hermitian degeneracies in a chaotic exciton-polariton billiard. Nature, 2015, 526, 554-558.	13.7	422
5	An electrically pumped polariton laser. Nature, 2013, 497, 348-352.	13.7	420
6	Atomically flat single-crystalline gold nanostructures for plasmonic nanocircuitry. Nature Communications, 2010, 1, 150.	5.8	374
7	High-efficiency multiphoton boson sampling. Nature Photonics, 2017, 11, 361-365.	15.6	330
8	Photon Antibunching from a Single Quantum-Dot-Microcavity System in the Strong Coupling Regime. Physical Review Letters, 2007, 98, 117402.	2.9	309
9	Ultrafast optical spin echo in a single quantum dot. Nature Photonics, 2010, 4, 367-370.	15.6	298
10	Experimental Realization of Highly Efficient Broadband Coupling of Single Quantum Dots to a Photonic Crystal Waveguide. Physical Review Letters, 2008, 101, 113903.	2.9	279
11	AlAsâ•GaAs micropillar cavities with quality factors exceeding 150.000. Applied Physics Letters, 2007, 90, 251109.	1.5	278
12	Waveguide superconducting single-photon detectors for integrated quantum photonic circuits. Applied Physics Letters, 2011, 99, .	1.5	251
13	Electrically driven optical antennas. Nature Photonics, 2015, 9, 582-586.	15.6	236
14	Interband cascade lasers. Journal Physics D: Applied Physics, 2015, 48, 123001.	1.3	222
15	Ultrafast coherent control and suppressed nuclear feedback of a single quantum dot hole qubit. Nature Physics, 2011, 7, 872-878.	6.5	205
16	Waveguide Nanowire Superconducting Single-Photon Detectors Fabricated on GaAs and the Study of Their Optical Properties. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-10.	1.9	188
17	Electrically driven quantum dot-micropillar single photon source with 34% overall efficiency. Applied Physics Letters, 2010, 96, .	1.5	176
18	GaAs integrated quantum photonics: Towards compact and multiâ€functional quantum photonic integrated circuits. Laser and Photonics Reviews, 2016, 10, 870-894.	4.4	165

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19	Exciton-polariton trapping and potential landscape engineering. Reports on Progress in Physics, 2017, 80, 016503.	8.1	157
20	Near-Transform-Limited Single Photons from an Efficient Solid-State Quantum Emitter. Physical Review Letters, 2016, 116, 213601.	2.9	150
21	Highly indistinguishable on-demand resonance fluorescence photons from a deterministic quantum dot micropillar device with 74% extraction efficiency. Optics Express, 2016, 24, 8539.	1.7	143
22	Mode Imaging and Selection in Strongly Coupled Nanoantennas. Nano Letters, 2010, 10, 2105-2110.	4.5	136
23	Two-dimensional photonic crystal coupled-defect laser diode. Applied Physics Letters, 2003, 82, 4-6.	1.5	134
24	Atomic-Scale Confinement of Resonant Optical Fields. Nano Letters, 2012, 12, 5504-5509.	4.5	129
25	Deterministic and Robust Generation of Single Photons from a Single Quantum Dot with 99.5% Indistinguishability Using Adiabatic Rapid Passage. Nano Letters, 2014, 14, 6515-6519.	4.5	129
26	Tunable photonic crystals fabricated in III-V semiconductor slab waveguides using infiltrated liquid crystals. Applied Physics Letters, 2003, 82, 2767-2769.	1.5	128
27	Time-Bin-Encoded Boson Sampling with a Single-Photon Device. Physical Review Letters, 2017, 118, 190501.	2.9	123
28	Photonic crystal tapers for ultracompact mode conversion. Optics Letters, 2001, 26, 1102.	1.7	120
29	Giant photon bunching, superradiant pulse emission and excitation trapping in quantum-dot nanolasers. Nature Communications, 2016, 7, 11540.	5.8	120
30	Photonic crystal cavity based gas sensor. Applied Physics Letters, 2008, 92, .	1.5	113
31	Voltage Fluctuation to Current Converter with Coulomb-Coupled Quantum Dots. Physical Review Letters, 2015, 114, 146805.	2.9	113
32	Enhanced light emission ofInxGa1âˆ’xAsquantum dots in a two-dimensional photonic-crystal defect microcavity. Physical Review B, 2002, 66, .	1.1	101
33	Gallium arsenide (GaAs) quantum photonic waveguide circuits. Optics Communications, 2014, 327, 49-55.	1.0	98
34	Toward Scalable Boson Sampling with Photon Loss. Physical Review Letters, 2018, 120, 230502.	2.9	97
35	Lithographic alignment to site-controlled quantum dots for device integration. Applied Physics Letters, 2008, 92, .	1.5	96
36	Lasing in high-Q quantum-dot micropillar cavities. Applied Physics Letters, 2006, 89, 051107.	1.5	92

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37	Creation of Orbital Angular Momentum States with Chiral Polaritonic Lenses. Physical Review Letters, 2014, 113, 200404.	2.9	89
38	Photonic crystal waveguide directional couplers as wavelength selective optical filters. Optics Communications, 2004, 230, 387-392.	1.0	86
39	Single photon emission from a site-controlled quantum dot-micropillar cavity system. Applied Physics Letters, 2009, 94, 111111.	1.5	86
40	Low-threshold high-quantum-efficiency laterally gain-coupled InGaAs/AlGaAs distributed feedback lasers. Applied Physics Letters, 1999, 74, 483-485.	1.5	82
41	Photonic crystal optical filter based on contra-directional waveguide coupling. Applied Physics Letters, 2003, 83, 5121-5123.	1.5	81
42	Dimensionality-Driven Metal-Insulator Transition in Spin-Orbit-Coupled <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>SrIrO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ Physical Review Letters, 2017, 119, 256404.	2.9	81
43	Quantum-dot-induced phase shift in a pillar microcavity. Physical Review A, 2011, 84, .	1.0	80
44	Quantum key distribution using quantum dot single-photon emitting diodes in the red and near infrared spectral range. New Journal of Physics, 2012, 14, 083001.	1.2	80
45	Emission from quantum-dot high-Î² microcavities: transition from spontaneous emission to lasing and the effects of superradiant emitter coupling. Light: Science and Applications, 2017, 6, e17030-e17030.	7.7	79
46	Semiconductor quantum dot microcavity pillars with high-quality factors and enlarged dot dimensions. Applied Physics Letters, 2005, 86, 111105.	1.5	78
47	Optimization of photonic crystal cavity for chemical sensing. Optics Express, 2008, 16, 11709.	1.7	78
48	Electrically Connected Resonant Optical Antennas. Nano Letters, 2012, 12, 3915-3919.	4.5	76
49	Zero-dimensional polariton laser in a subwavelength grating-based vertical microcavity. Light: Science and Applications, 2014, 3, e135-e135.	7.7	75
50	Single quantum dot controlled lasing effects in high-Q micropillar cavities. Optics Express, 2008, 16, 4848.	1.7	72
51	Interband cascade lasers with room temperature threshold current densities below 100 A/cm2. Applied Physics Letters, 2013, 102, .	1.5	72
52	Single site-controlled In(Ga)As/GaAs quantum dots: growth, properties and device integration. Nanotechnology, 2009, 20, 434012.	1.3	71
53	Optical study of two-dimensional InP-based photonic crystals by internal light source technique. IEEE Journal of Quantum Electronics, 2002, 38, 786-799.	1.0	68
54	Observing chaos for quantum-dot microlasers with external feedback. Nature Communications, 2011, 2, 366.	5.8	68

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55	Waveguide photon-number-resolving detectors for quantum photonic integrated circuits. Applied Physics Letters, 2013, 103, .	1.5	66
56	Bloch-Wave Engineering of Quantum Dot Micropillars for Cavity Quantum Electrodynamics Experiments. Physical Review Letters, 2012, 108, 057402.	2.9	63
57	Overcoming power broadening of the quantum dot emission in a pure wurtzite nanowire. Physical Review B, 2016, 93, .	1.1	63
58	Narrow spectral linewidth from single site-controlled In(Ga)As quantum dots with high uniformity. Applied Physics Letters, 2011, 98, .	1.5	61
59	Indistinguishable Tunable Single Photons Emitted by Spin-Flip Raman Transitions in InGaAs Quantum Dots. Physical Review Letters, 2013, 111, 237403.	2.9	60
60	An electrically driven cavity-enhanced source of indistinguishable photons with 61% overall efficiency. APL Photonics, 2016, 1, .	3.0	60
61	GaInNAs for GaAs based lasers for the 1.3 to 1.5Î¼m range. Journal of Crystal Growth, 2003, 251, 353-359.	0.7	59
62	Mid-infrared semiconductor heterostructure lasers for gas sensing applications. Semiconductor Science and Technology, 2011, 26, 014032.	1.0	58
63	A polariton condensate in a photonic crystal potential landscape. New Journal of Physics, 2015, 17, 023001.	1.2	58
64	Downconversion quantum interface for a single quantum dot spin and 1550-nm single-photon channel. Optics Express, 2012, 20, 27510.	1.7	57
65	Quantum Interference between Light Sources Separated by 150 Million Kilometers. Physical Review Letters, 2019, 123, 080401.	2.9	57
66	Two-photon interference from remote quantum dots with inhomogeneously broadened linewidths. Physical Review B, 2014, 89, .	1.1	56
67	Onâ€Chip Quantum Optics with Quantum Dot Microcavities. Advanced Materials, 2013, 25, 707-710.	11.1	54
68	Circularly polarized light emission from chiral spatially-structured planar semiconductor microcavities. Physical Review B, 2014, 89, .	1.1	54
69	Unconventional Growth Mechanism for Monolithic Integration of IIIâ€“V on Silicon. ACS Nano, 2013, 7, 100-107.	7.3	53
70	Algebraic order and the Berezinskii-Kosterlitz-Thouless transition in an exciton-polariton gas. Physical Review B, 2014, 90, .	1.1	53
71	Lateral coupling â€“ a material independent way to complex coupled DFB lasers. Optical Materials, 2001, 17, 19-25.	1.7	52
72	Models and measurements for the transmission of submicron-width waveguide bends defined in two-dimensional photonic crystals. IEEE Journal of Quantum Electronics, 2002, 38, 770-785.	1.0	52

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73	Pulsed Nuclear Pumping and Spin Diffusion in a Single Charged Quantum Dot. Physical Review Letters, 2010, 105, 107401.	2.9	51
74	Intensity fluctuations in bimodal micropillar lasers enhanced by quantum-dot gain competition. Physical Review A, 2013, 87, .	1.0	51
75	Enhanced spontaneous emission from quantum dots in short photonic crystal waveguides. Applied Physics Letters, 2012, 100, 061122.	1.5	50
76	Directional whispering gallery mode emission from LimaÃ§on-shaped electrically pumped quantum dot micropillar lasers. Applied Physics Letters, 2012, 101, .	1.5	49
77	Microcavity controlled coupling of excitonic qubits. Nature Communications, 2013, 4, 1747.	5.8	49
78	Temperature-Dependent Mollow Triplet Spectra from a Single Quantum Dot: Rabi Frequency Renormalization and Sideband Linewidth Insensitivity. Physical Review Letters, 2014, 113, 097401.	2.9	48
79	All-optical flow control of a polariton condensate using nonresonant excitation. Physical Review B, 2015, 91, .	1.1	48
80	Semiconductor photonic crystals for optoelectronics. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 802-808.	1.3	47
81	Universal and reconfigurable logic gates in a compact three-terminal resonant tunneling diode. Applied Physics Letters, 2010, 96, .	1.5	47
82	Microcavity enhanced single photon emission from an electrically driven site-controlled quantum dot. Applied Physics Letters, 2012, 100, .	1.5	47
83	Dynamically Controlled Resonance Fluorescence Spectra from a Doubly Dressed Single InGaAs Quantum Dot. Physical Review Letters, 2015, 114, 097402.	2.9	47
84	Coherent Polariton Laser. Physical Review X, 2016, 6, .	2.8	47
85	1.3-Î¼m GaInNAs-AlGaAs distributed feedback lasers. IEEE Photonics Technology Letters, 2000, 12, 239-241.	1.3	46
86	Bright single photon source based on self-aligned quantum dotâ€“cavity systems. Optics Express, 2014, 22, 8136.	1.7	46
87	Quantum dot micropillar cavities with quality factors exceeding 250,000. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	46
88	Logical Stochastic Resonance with a Coulomb-Coupled Quantum-Dot Rectifier. Physical Review Applied, 2015, 4, .	1.5	45
89	Mode-switching induced super-thermal bunching in quantum-dot microlasers. New Journal of Physics, 2016, 18, 063011.	1.2	45
90	Collective state transitions of exciton-polaritons loaded into a periodic potential. Physical Review B, 2016, 93, .	1.1	45

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91	Charged quantum dot micropillar system for deterministic light-matter interactions. Physical Review B, 2016, 93, .	1.1	45
92	Scalable fabrication of optical resonators with embedded site-controlled quantum dots. Optics Letters, 2008, 33, 1759.	1.7	44
93	Monomode Interband Cascade Lasers at 5.2 $mu{m m}$ for Nitric Oxide Sensing. IEEE Photonics Technology Letters, 2014, 26, 480-482.	1.3	44
94	DFB laser diodes in the wavelength range from 760 nm to 2.5 Î¼m. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 3243-3247.	2.0	43
95	Coherent photonic coupling of semiconductor quantum dots. Optics Letters, 2006, 31, 1738.	1.7	43
96	Single photon emission at 1.55â€‰Î¼m from charged and neutral exciton confined in a single quantum dash. Applied Physics Letters, 2014, 105, 021909.	1.5	43
97	Ultrahigh-quality photonic crystal cavity in GaAs. Optics Letters, 2006, 31, 1229.	1.7	42
98	Surface-interface coupling in an oxide heterostructure: Impact of adsorbates on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>LaAlO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	1.1	42
99	Controlled Growth of High-Aspect-Ratio Single-Crystalline Gold Platelets. Crystal Growth and Design, 2018, 18, 1297-1302.	1.4	42
100	Enhanced transmission through photonic-crystal-based bent waveguides by bend engineering. Applied Physics Letters, 2001, 79, 3579-3581.	1.5	41
101	Effect of Coulomb interaction on exciton-polariton condensates in GaAs pillar microcavities. Physical Review B, 2011, 84, .	1.1	41
102	Room temperature, continuous wave lasing in microcylinder and microring quantum dot laser diodes. Applied Physics Letters, 2012, 100, .	1.5	41
103	Polariton multistability and fast linear-to-circular polarization conversion in planar microcavities with lowered symmetry. Applied Physics Letters, 2013, 102, 011104.	1.5	41
104	Free space quantum key distribution over 500 meters using electrically driven quantum dot single-photon sourcesâ€”a proof of principle experiment. New Journal of Physics, 2014, 16, 043003.	1.2	41
105	Electro optical tuning of Tamm-plasmon exciton-polaritons. Applied Physics Letters, 2014, 105, 181107.	1.5	40
106	Ultrahigh-Q photonic crystal cavity created by modulating air hole radius of a waveguide. Optics Express, 2008, 16, 4605.	1.7	39
107	Zeeman splitting and diamagnetic shift of spatially confined quantum-well exciton polaritons in an external magnetic field. Physical Review B, 2011, 84, .	1.1	39
108	Spatial Coherence Properties of One Dimensional Exciton-Polariton Condensates. Physical Review Letters, 2014, 113, 203902.	2.9	39

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109	Nanofabrication of two-dimensional photonic crystal mirrors for 1.5 Î¼m short cavity lasers. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 2775.	1.6	38
110	Capacitive-Coupling-Enhanced Switching Gain in an Electron Y-Branch Switch. Physical Review Letters, 2002, 89, 226804.	2.9	38
111	Anomalies of a Nonequilibrium Spinor Polariton Condensate in a Magnetic Field. Physical Review Letters, 2014, 112, 093902.	2.9	38
112	Single-photon emission of InAs/InP quantum dashes at 1.55â€‰Î¼m and temperatures up to 80â€‰K. Applied Physics Letters, 2016, 108, .	1.5	38
113	Near-field imaging and frequency tuning of a high-Q photonic crystal membrane microcavity. Optics Express, 2007, 15, 17214.	1.7	37
114	Single mode interband cascade lasers based on lateral metal gratings. Applied Physics Letters, 2014, 105, .	1.5	37
115	Lasing from active optomechanical resonators. Nature Communications, 2014, 5, 4038.	5.8	37
116	InAs-based interband-cascade-lasers emitting around 7â€‰Î¼m with threshold current densities below 1â€‰kA/cm2 at room temperature. Applied Physics Letters, 2015, 106, .	1.5	37
117	Electro-Photo-Sensitive Memristor for Neuromorphic and Arithmetic Computing. Physical Review Applied, 2016, 5, .	1.5	37
118	Controlling circular polarization of light emitted by quantum dots using chiral photonic crystal slabs. Physical Review B, 2015, 92, .	1.1	36
119	Sensitivity of resonant tunneling diode photodetectors. Nanotechnology, 2016, 27, 355202.	1.3	36
120	Cavity-enhanced simultaneous dressing of quantum dot exciton and biexciton states. Physical Review B, 2016, 93, .	1.1	36
121	Purcell-Enhanced Single Photon Source Based on a Deterministically Placed WSe₂ Monolayer Quantum Dot in a Circular Bragg Grating Cavity. Nano Letters, 2021, 21, 4715-4720.	4.5	36
122	Light sensitive memristor with bi-directional and wavelength-dependent conductance control. Applied Physics Letters, 2016, 109, .	1.5	35
123	Quantum State Transfer from a Single Photon to a Distant Quantum-Dot Electron Spin. Physical Review Letters, 2017, 119, 060501.	2.9	35
124	Whispering gallery mode lasing in high quality GaAs/AlAs pillar microcavities. Applied Physics Letters, 2010, 96, 071103.	1.5	34
125	Dynamics of excitons in individual InAs quantum dots revealed in four-wave mixing spectroscopy. Optica, 2016, 3, 377.	4.8	34
126	Multi-wave coherent control of a solid-state single emitter. Nature Photonics, 2016, 10, 155-158.	15.6	34

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127	Fabrication of quantum point contacts by imprint lithography and transport studies. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 3561.	1.6	33
128	1.3 Î¼m continuous-wave GaInNAs/GaAs distributed feedback laser diodes. Applied Physics Letters, 2002, 81, 4330-4331.	1.5	33
129	Strain-driven growth of GaAs(111) quantum dots with low fine structure splitting. Applied Physics Letters, 2014, 105, .	1.5	33
130	Single-mode interband cascade lasers emitting below 2.8â€‰Î¼m. Applied Physics Letters, 2015, 106, .	1.5	33
131	Experimental Verification of the Very Strong Coupling Regime in a GaAs Quantum Well Microcavity. Physical Review Letters, 2017, 119, 027401.	2.9	33
132	Single-mode operation of coupled-cavity lasers based on two-dimensional photonic crystals. Applied Physics Letters, 2001, 79, 4091-4093.	1.5	32
133	Emission wavelength tuning of interband cascade lasers in the 3â€“4â€‚Î¼m spectral range. Applied Physics Letters, 2009, 95, .	1.5	32
134	Widely tunable, efficient on-chip single photon sources at telecommunication wavelengths. Optics Express, 2012, 20, 21758.	1.7	32
135	GaAs/AlGaAs resonant tunneling diodes with a GaInNAs absorption layer for telecommunication light sensing. Applied Physics Letters, 2012, 100, 172113.	1.5	32
136	Cavity-enhanced resonant tunneling photodetector at telecommunication wavelengths. Applied Physics Letters, 2014, 104, 101109.	1.5	32
137	High Q whispering gallery modes in GaAs/AlAs pillar microcavities. Optics Express, 2007, 15, 17291.	1.7	31
138	Complete tomography of a high-fidelity solid-state entangled spinâ€“photon qubit pair. Nature Communications, 2013, 4, 2228.	5.8	31
139	Two-photon interference at telecom wavelengths for time-bin-encoded single photons from quantum-dot spin qubits. Nature Communications, 2015, 6, 8955.	5.8	31
140	Electrically Tunable Single-Photon Source Triggered by a Monolithically Integrated Quantum Dot Microlaser. ACS Photonics, 2017, 4, 790-794.	3.2	31
141	Exploring the Photon-Number Distribution of Bimodal Microlasers with a Transition Edge Sensor. Physical Review Applied, 2018, 9, .	1.5	31
142	Substrate orientation dependent fine structure splitting of symmetric In(Ga)As/GaAs quantum dots. Applied Physics Letters, 2012, 101, .	1.5	30
143	Two-photon interference from a quantum dot microcavity: Persistent pure dephasing and suppression of time jitter. Physical Review B, 2015, 91, .	1.1	30
144	Optical bistability in electrically driven polariton condensates. Physical Review B, 2015, 91, .	1.1	30

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145	On-Chip Single-Plasmon Nanocircuit Driven by a Self-Assembled Quantum Dot. Nano Letters, 2017, 17, 4291-4296.	4.5	30
146	Enhanced single photon emission from positioned InP/GaInP quantum dots coupled to a confined Tamm-plasmon mode. Applied Physics Letters, 2015, 106, .	1.5	29
147	Talbot Effect for Exciton Polaritons. Physical Review Letters, 2016, 117, 097403.	2.9	29
148	Disorder-induced losses in planar photonic crystals. Optics Letters, 2006, 31, 1426.	1.7	28
149	Photon echo transients from an inhomogeneous ensemble of semiconductor quantum dots. Physical Review B, 2016, 93, .	1.1	28
150	Controlled Ordering of Topological Charges in an Exciton-Polariton Chain. Physical Review Letters, 2018, 121, 225302.	2.9	28
151	All-optical control of quantized momenta on a polariton staircase. Physical Review B, 2012, 85, .	1.1	27
152	Spin multistability of cavity polaritons in a magnetic field. Physical Review B, 2013, 87, .	1.1	27
153	Fe3O4/ZnO: A high-quality magnetic oxide-semiconductor heterostructure by reactive deposition. Applied Physics Letters, 2011, 98, 012512.	1.5	26
154	Coherence Expansion and Polariton Condensate Formation in a Semiconductor Microcavity. Physical Review Letters, 2013, 110, 137402.	2.9	26
155	Ghost Branch Photoluminescence From a Polariton Fluid Under Nonresonant Excitation. Physical Review Letters, 2015, 115, 186401.	2.9	26
156	Photocurrent-voltage relation of resonant tunneling diode photodetectors. Applied Physics Letters, 2015, 107, .	1.5	26
157	99% beta factor and directional coupling of quantum dots to fast light in photonic crystal waveguides determined by spectral imaging. Physical Review B, 2019, 100, .	1.1	26
158	Wide range tunable laterally coupled distributed-feedback lasers based on InGaAs-GaAs quantum dots. IEEE Photonics Technology Letters, 2002, 14, 1246-1248.	1.3	25
159	Tunable distributed feedback laser with photonic crystal mirrors. Applied Physics Letters, 2003, 82, 2942-2944.	1.5	25
160	Mode selection in electrically driven quantum dot microring cavities. Optics Express, 2013, 21, 15951.	1.7	25
161	Nonlinear route to intrinsic Josephson oscillations in spinor cavity-polariton condensates. Physical Review B, 2014, 90, .	1.1	25
162	Efficient single photon source based on Î¼-fibre-coupled tunable microcavity. Scientific Reports, 2015, 5, 14309.	1.6	25

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163	Single mode quantum cascade lasers with shallow-etched distributed Bragg reflector. Optics Express, 2012, 20, 3890.	1.7	24
164	Coherence signatures and density-dependent interaction in a dynamical exciton-polariton condensate. Physical Review B, 2012, 86, .	1.1	24
165	Tunable photonic crystal coupled-cavity laser. IEEE Journal of Quantum Electronics, 2004, 40, 1306-1314.	1.0	23
166	Polarization-dependent optical properties of planar photonic crystals infiltrated with liquid crystals. Applied Physics Letters, 2005, 87, 121105.	1.5	23
167	On-chip beam steering. Nature Photonics, 2010, 4, 411-412.	15.6	23
168	Interband cascade lasers with AlGaAsSb bulk cladding layers. Optical Materials Express, 2013, 3, 1624.	1.6	23
169	Nanothermometer Based on Resonant Tunneling Diodes: From Cryogenic to Room Temperatures. ACS Nano, 2015, 9, 6271-6277.	7.3	23
170	Photon echoes from (In,Ga)As quantum dots embedded in a Tamm-plasmon microcavity. Physical Review B, 2017, 95, .	1.1	23
171	Picosecond Control of Quantum Dot Laser Emission by Coherent Phonons. Physical Review Letters, 2017, 118, 133901.	2.9	23
172	Molecular beam epitaxy of antiferromagnetic (MnBi2Te4)(Bi2Te3) thin films on BaF2 (111). Journal of Applied Physics, 2020, 128, .	1.1	23
173	Deeply etched two-dimensional photonic crystals fabricated on GaAs/AlGaAs slab waveguides by using chemically assisted ion beam etching. Microelectronic Engineering, 2002, 61-62, 875-880.	1.1	22
174	Observation of resonance fluorescence and the Mollow triplet from a coherently driven site-controlled quantum dot. Optica, 2015, 2, 1072.	4.8	22
175	Deterministic generation of bright single resonance fluorescence photons from a Purcell-enhanced quantum dot-micropillar system. Optics Express, 2015, 23, 32977.	1.7	22
176	Coupling polariton quantum boxes in sub-wavelength grating microcavities. Applied Physics Letters, 2015, 106, .	1.5	22
177	7.8 GHz small-signal modulation bandwidth of 1.3 [micro sign]m DQW GaInAsN/GaAs laser diodes. Electronics Letters, 2000, 36, 1025.	0.5	21
178	Two-Channel Tunable Laser Diode Based on Photonic Crystals. IEEE Photonics Technology Letters, 2004, 16, 353-555.	1.3	21
179	Density and size control of InP/GaInP quantum dots on GaAs substrate grown by gas source molecular beam epitaxy. Nanotechnology, 2012, 23, 015605.	1.3	21
180	Integrated autocorrelator based on superconducting nanowires. Optics Express, 2013, 21, 11162.	1.7	21

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181	Spin and density patterns of polariton condensates resonantly excited in strained planar microcavities with a nonuniform potential landscape. Physical Review B, 2013, 88, .	1.1	21
182	Impact of wetting-layer density of states on the carrier relaxation process in low indium content self-assembled (In,Ga)As/GaAs quantum dots. Physical Review B, 2013, 87, .	1.1	21
183	Influence of interactions with noncondensed particles on the coherence of a one-dimensional polariton condensate. Physical Review B, 2014, 89, .	1.1	21
184	Lasing in Bose-Fermi mixtures. Scientific Reports, 2016, 6, 20091.	1.6	21
185	High beta lasing in micropillar cavities with adiabatic layer design. Applied Physics Letters, 2013, 102, 052114.	1.5	20
186	Electro-optical switching between polariton and cavity lasing in an InGaAs quantum well microcavity. Optics Express, 2014, 22, 31146.	1.7	20
187	From micro- to nanomagnetic dots: evolution of the eigenmode spectrum on reducing the lateral size. Journal Physics D: Applied Physics, 2014, 47, 265001.	1.3	20
188	Simple Electrical Modulation Scheme for Laser Feedback Imaging. IEEE Sensors Journal, 2016, 16, 1937-1942.	2.4	20
189	Strong light-matter coupling in the presence of lasing. Physical Review A, 2017, 96, .	1.0	20
190	InGaAs/AlGaAs quantum dot DFB lasers operating up to 213Â°C. Electronics Letters, 1999, 35, 2036.	0.5	20
191	Decay dynamics of quantum dots influenced by the local density of optical states of two-dimensional photonic crystal membranes. Applied Physics Letters, 2008, 93, 094102.	1.5	19
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