Stephan Reitzenstein

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3057030/publications.pdf

Version: 2024-02-01

348 papers	11,077 citations	41258 49 h-index	38300 95 g-index
350 all docs	350 docs citations	350 times ranked	6184 citing authors

#	Article	IF	Citations
1	Strong coupling in a single quantum dotâ€“semiconductor microcavity system. Nature, 2004, 432, 197-200.	13.7	1,776
2	An electrically pumped polariton laser. Nature, 2013, 497, 348-352.	13.7	420
3	Photon Antibunching from a Single Quantum-Dot-Microcavity System in the Strong Coupling Regime. Physical Review Letters, 2007, 98, 117402.	2.9	309
4	AlAsâˆ•GaAs micropillar cavities with quality factors exceeding 150.000. Applied Physics Letters, 2007, 90, 251109.	1.5	278
5	Highly indistinguishable photons from deterministic quantum-dot microlenses utilizing three-dimensional in situ electron-beam lithography. Nature Communications, 2015, 6, 7662.	5.8	252
6	Post-Selected Indistinguishable Photons from the Resonance Fluorescence of a Single Quantum Dot in a Microcavity. Physical Review Letters, 2009, 103, 167402.	2.9	226
7	Direct observation of correlations between individual photon emission events of a microcavity laser. Nature, 2009, 460, 245-249.	13.7	194
8	Photon Statistics of Semiconductor Microcavity Lasers. Physical Review Letters, 2007, 98, 043906.	2.9	191
9	Electrically driven quantum dot-micropillar single photon source with 34% overall efficiency. Applied Physics Letters, 2010, 96, .	1.5	176
10	Non-resonant dotâ€“cavity coupling and its potential for resonant single-quantum-dot spectroscopy. Nature Photonics, 2009, 3, 724-728.	15.6	163
11	Direct comparison of catalyst-free and catalyst-induced GaN nanowires. Nano Research, 2010, 3, 528-536.	5.8	161
12	2022 Roadmap on integrated quantum photonics. JPhys Photonics, 2022, 4, 012501.	2.2	152
13	Exploring Dephasing of a Solid-State Quantum Emitter via Time- and Temperature-Dependent Hong-Ou-Mandel Experiments. Physical Review Letters, 2016, 116, 033601.	2.9	144
14	Dephasing of Triplet-Sideband Optical Emission of a Resonantly Driven<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>InAs</mml:mi><mml:mo>/</mml:mo><mml:mi>GaAs</mml:mi></mml:math>Quantum Dot inside a Microcavity. Physical Review Letters, 2011, 106, 247402.	2.9	142
15	Up on the Jaynesâ€“Cummings ladder of a quantum-dot/microcavity system. Nature Materials, 2010, 9, 304-308.	13.3	138
16	Electrically driven high-Q quantum dot-micropillar cavities. Applied Physics Letters, 2008, 92, .	1.5	135
17	Quantum dot micropillars. Journal Physics D: Applied Physics, 2010, 43, 033001.	1.3	134
18	Observation of Non-Markovian Dynamics of a Single Quantum Dot in a Micropillar Cavity. Physical Review Letters, 2011, 106, 233601.	2.9	118

#	ARTICLE	IF	CITATIONS
19	Properties of GaN Nanowires Grown by Molecular Beam Epitaxy. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 878-888.	1.9	104
20	Lithographic alignment to site-controlled quantum dots for device integration. Applied Physics Letters, 2008, 92, .	1.5	96
21	<i>In situ</i> electron-beam lithography of deterministic single-quantum-dot mesa-structures using low-temperature cathodoluminescence spectroscopy. Applied Physics Letters, 2013, 102, .	1.5	94
22	Lasing in high-Q quantum-dot micropillar cavities. Applied Physics Letters, 2006, 89, 051107.	1.5	92
23	Low threshold electrically pumped quantum dot-micropillar lasers. Applied Physics Letters, 2008, 93, .	1.5	90
24	Single photon emission from a site-controlled quantum dot-micropillar cavity system. Applied Physics Letters, 2009, 94, 111111.	1.5	86
25	Deterministic Integration of Quantum Dots into on-Chip Multimode Interference Beamsplitters Using in Situ Electron Beam Lithography. Nano Letters, 2018, 18, 2336-2342.	4.5	85
26	Quantum-dot-induced phase shift in a pillar microcavity. Physical Review A, 2011, 84, .	1.0	80
27	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
28	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
29	Semiconductor quantum dot microcavity pillars with high-quality factors and enlarged dot dimensions. Applied Physics Letters, 2005, 86, 111105.	1.5	78
30	Single photon emission from positioned GaAs/AlGaAs photonic nanowires. Applied Physics Letters, 2010, 96, 211117.	1.5	77
31	Vibrational spectroscopic studies to acquire a quality control method of Eucalyptus essential oils. Biopolymers, 2005, 78, 237-248.	1.2	75
32	Single quantum dot controlled lasing effects in high-Q micropillar cavities. Optics Express, 2008, 16, 4848.	1.7	72
33	Single site-controlled In(Ga)As/GaAs quantum dots: growth, properties and device integration. Nanotechnology, 2009, 20, 434012.	1.3	71
34	Demonstration of strong coupling via electro-optical tuning in high-quality QD-micropillar systems. Optics Express, 2008, 16, 15006.	1.7	70
35	Single Photon Delayed Feedback: A Way to Stabilize Intrinsic Quantum Cavity Electrodynamics. Physical Review Letters, 2013, 110, 013601.	2.9	70
36	Control of the Strong Light-Matter Interaction between an Elongated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>In</mml:mi><mml:mn>0.3</mml:mn></mml:msub><mml:msub><mml:mi>Ga</mml:mi><mml:m Dot and a Micropillar Cavity Using External Magnetic Fields. Physical Review Letters, 2009, 103, 127401.	2.9	69

#	Article	IF	Citations
37	Observing chaos for quantum-dot microlasers with external feedback. Nature Communications, 2011, 2, 366.	5.8	68
38	From polariton condensates to highly photonic quantum degenerate states of bosonic matter. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1804-1809.	3.3	68
39	A stand-alone fiber-coupled single-photon source. Scientific Reports, 2018, 8, 1340.	1.6	68
40	Bloch-Wave Engineering of Quantum Dot Micropillars for Cavity Quantum Electrodynamics Experiments. Physical Review Letters, 2012, 108, 057402.	2.9	63
41	Single Quantum Dot with Microlens and 3D-Printed Micro-objective as Integrated Bright Single-Photon Source. ACS Photonics, 2017, 4, 1327-1332.	3.2	63
42	Narrow spectral linewidth from single site-controlled In(Ga)As quantum dots with high uniformity. Applied Physics Letters, 2011, 98, .	1.5	61
43	An electrically driven cavity-enhanced source of indistinguishable photons with 61% overall efficiency. APL Photonics, 2016, 1, .	3.0	60
44	A bright triggered twin-photon source in the solid state. Nature Communications, 2017, 8, 14870.	5.8	58
45	Characterization of two-threshold behavior of the emission from a GaAs microcavity. Physical Review B, 2012, 85, .	1.1	56
46	Two-photon interference from remote quantum dots with inhomogeneously broadened linewidths. Physical Review B, 2014, 89, .	1.1	56
47	Optimized designs for telecom-wavelength quantum light sources based on hybrid circular Bragg gratings. Optics Express, 2019, 27, 36824.	1.7	55
48	Onâ€Chip Quantum Optics with Quantum Dot Microcavities. Advanced Materials, 2013, 25, 707-710.	11.1	54
49	Indistinguishable Photons from Deterministically Integrated Single Quantum Dots in Heterogeneous GaAs/Si₃N₄ Quantum Photonic Circuits. Nano Letters, 2019, 19, 7164-7172.	4.5	53
50	Single-photon emission at a rate of 143â€‰MHz from a deterministic quantum-dot microlens triggered by a mode-locked vertical-external-cavity surface-emitting laser. Applied Physics Letters, 2015, 107, .	1.5	52
51	Intensity fluctuations in bimodal micropillar lasers enhanced by quantum-dot gain competition. Physical Review A, 2013, 87, .	1.0	51
52	A quantum optical study of thresholdless lasing features in high-Î² nitride nanobeam cavities. Nature Communications, 2018, 9, 564.	5.8	50
53	Numerical optimization of the extraction efficiency of a quantum-dot based single-photon emitter into a single-mode fiber. Optics Express, 2018, 26, 8479.	1.7	50
54	Directional whispering gallery mode emission from LimaÃ§on-shaped electrically pumped quantum dot micropillar lasers. Applied Physics Letters, 2012, 101, .	1.5	49

#	ARTICLE	IF	CITATIONS
55	Microcavity controlled coupling of excitonic qubits. Nature Communications, 2013, 4, 1747.	5.8	49
56	Microcavity enhanced single photon emission from an electrically driven site-controlled quantum dot. Applied Physics Letters, 2012, 100, .	1.5	47
57	Quantum dot micropillar cavities with quality factors exceeding 250,000. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	46
58	Mode-switching induced super-thermal bunching in quantum-dot microlasers. New Journal of Physics, 2016, 18, 063011.	1.2	45
59	Electrically driven single photon source based on a site-controlled quantum dot with self-aligned current injection. Applied Physics Letters, 2012, 101, .	1.5	44
60	Coherent photonic coupling of semiconductor quantum dots. Optics Letters, 2006, 31, 1738.	1.7	43
61	Photon-Number-Resolving Transition-Edge Sensors for the Metrology of Quantum Light Sources. Journal of Low Temperature Physics, 2018, 193, 1243-1250.	0.6	43
62	Room temperature, continuous wave lasing in microcylinder and microring quantum dot laser diodes. Applied Physics Letters, 2012, 100, .	1.5	41
63	Steering photon statistics in single quantum dots: From one- to two-photon emission. Physical Review B, 2013, 87, .	1.1	41
64	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
65	Non-Markovian features in semiconductor quantum optics: quantifying the role of phonons in experiment and theory. Nanophotonics, 2019, 8, 655-683.	2.9	41
66	Deterministically fabricated solid-state quantum-light sources. Journal of Physics Condensed Matter, 2020, 32, 153003.	0.7	41
67	Tools for the performance optimization of single-photon quantum key distribution. Npj Quantum Information, 2020, 6, .	2.8	40
68	Nonlinear properties of ballistic nanoelectronic devices. Journal of Physics Condensed Matter, 2005, 17, R775-R802.	0.7	39
69	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
70	Resolution and alignment accuracy of low-temperature <i>in situ</i> electron beam lithography for nanophotonic device fabrication. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, .	0.6	39
71	Capacitive-Coupling-Enhanced Switching Gain in an Electron Y-Branch Switch. Physical Review Letters, 2002, 89, 226804.	2.9	38
72	Ultrafast tracking of second-order photon correlations in the emission of quantum-dot microresonator lasers. Physical Review B, 2010, 81, .	1.1	38

#	Article	IF	Citations
73	Investigation of switching effects between the drains of an electron Y-branch switch. Applied Physics Letters, 2001, 78, 3325-3327.	1.5	37
74	Numerical and Experimental Study of the Q Factor of High-Q Micropillar Cavities. IEEE Journal of Quantum Electronics, 2010, 46, 1470-1483.	1.0	37
75	Semiconductor Quantum Dotâ€"Microcavities for Quantum Optics in Solid State. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1733-1746.	1.9	36
76	A complete, parallel and autonomous photonic neural network in a semiconductor multimode laser. JPhys Photonics, 2021, 3, 024017.	2.2	36
77	Impact of Phonons on Dephasing of Individual Excitons in Deterministic Quantum Dot Microlenses. ACS Photonics, 2016, 3, 2461-2466.	3.2	35
78	Quantum dot single-photon emission coupled into single-mode fibers with 3D printed micro-objectives. APL Photonics, 2020, 5, .	3.0	35
79	Whispering gallery mode lasing in electrically driven quantum dot micropillars. Applied Physics Letters, 2010, 97, .	1.5	34
80	Whispering gallery mode lasing in high quality GaAs/AlAs pillar microcavities. Applied Physics Letters, 2010, 96, 071103.	1.5	34
81	Quantum efficiency and oscillator strength of site-controlled InAs quantum dots. Applied Physics Letters, 2010, 96, .	1.5	34
82	Plug&Play Fiberâ€Coupled 73Â kHz Singleâ€Photon Source Operating in the Telecom Oâ€Band. Advanced Quantum Technologies, 2020, 3, 2000018.	1.8	34
83	Linewidth broadening and emission saturation of a resonantly excited quantum dot monitored via an off-resonant cavity mode. Physical Review B, 2010, 82, .	1.1	33
84	Enhanced photon-extraction efficiency from InGaAs/GaAs quantum dots in deterministic photonic structures at 1.3 Î¼m fabricated by in-situ electron-beam lithography. AIP Advances, 2018, 8, 085205.	0.6	33
85	Quantum-optical influences in optoelectronicsâ€"An introduction. Applied Physics Reviews, 2018, 5, .	5.5	32
86	High Q whispering gallery modes in GaAs/AlAs pillar microcavities. Optics Express, 2007, 15, 17291.	1.7	31
87	Nonlinear photoluminescence spectra from a quantum-dotâ€"cavity system: Interplay of pump-induced stimulated emission and anharmonic cavity QED. Physical Review B, 2010, 81, .	1.1	31
88	Generating single photons at gigahertz modulation-speed using electrically controlled quantum dot microlenses. Applied Physics Letters, 2016, 108, .	1.5	31
89	Electrically Tunable Single-Photon Source Triggered by a Monolithically Integrated Quantum Dot Microlaser. ACS Photonics, 2017, 4, 790-794.	3.2	31
90	Exploring the Photon-Number Distribution of Bimodal Microlasers with a Transition Edge Sensor. Physical Review Applied, 2018, 9, .	1.5	31

#	Article	IF	Citations
91	Quantum metrology of solid-state single-photon sources using photon-number-resolving detectors. New Journal of Physics, 2019, 21, 035007.	1.2	31
92	Substrate orientation dependent fine structure splitting of symmetric In(Ga)As/GaAs quantum dots. Applied Physics Letters, 2012, 101, .	1.5	30
93	Two-photon interference from remote deterministic quantum dot microlenses. Applied Physics Letters, 2017, 110, .	1.5	30
94	Path-Controlled Time Reordering of Paired Photons in a Dressed Three-Level Cascade. Physical Review Letters, 2017, 118, 233601.	2.9	30
95	The role of optical excitation power on the emission spectra of a strongly coupled quantum dot-micropillar system. Optics Express, 2009, 17, 12821.	1.7	29
96	Exciton spin state mediated photon-photon coupling in a strongly coupled quantum dot microcavity system. Physical Review B, 2010, 82, .	1.1	29
97	Integrated nanophotonics for the development of fully functional quantum circuits based on on-demand single-photon emitters. APL Photonics, 2021, 6, .	3.0	29
98	Accessing the dark exciton spin in deterministic quantum-dot microlenses. APL Photonics, 2017, 2, .	3.0	28
99	Photon-Number-Resolved Measurement of an Exciton-Polariton Condensate. Physical Review Letters, 2018, 121, 047401.	2.9	28
100	Operating single quantum emitters with a compact Stirling cryocooler. Review of Scientific Instruments, 2015, 86, 013113.	0.6	27
101	Generation of maximally entangled states and coherent control in quantum dot microlenses. Applied Physics Letters, 2018, 112, .	1.5	27
102	Deterministically fabricated quantum dot single-photon source emitting indistinguishable photons in the telecom O-band. Applied Physics Letters, 2020, 116, .	1.5	27
103	Triggered high-purity telecom-wavelength single-photon generation from p-shell-driven InGaAs/GaAs quantum dot. Optics Express, 2017, 25, 31122.	1.7	26
104	Quantum-optical spectroscopy of a two-level system using an electrically driven micropillar laser as a resonant excitation source. Light: Science and Applications, 2018, 7, 41.	7.7	26
105	3D printed micro-optics for quantum technology: Optimised coupling of single quantum dot emission into a single-mode fibre. Light Advanced Manufacturing, 2021, 2, 103.	2.2	26
106	Deterministically fabricated spectrally-tunable quantum dot based single-photon source. Optical Materials Express, 2020, 10, 76.	1.6	26
107	Large threshold hysteresis in a narrow AlGaAs/GaAs channel with embedded quantum dots. Applied Physics Letters, 2002, 81, 2115-2117.	1.5	25
108	Mode selection in electrically driven quantum dot microring cavities. Optics Express, 2013, 21, 15951.	1.7	25

#	Article	IF	Citations
109	Mutual coupling and synchronization of optically coupled quantum-dot micropillar lasers at ultra-low light levels. Nature Communications, 2019, 10, 1539.	5.8	25
110	Developing a photonic hardware platform for brain-inspired computing based on 5â€‰Ã—â€‰5 VCSEL arrays. JPhys Photonics, 2020, 2, 044002.	2.2	25
111	Photonic neuromorphic computing using vertical cavity semiconductor lasers. Optical Materials Express, 2022, 12, 2395.	1.6	25
112	Time resolved microphotoluminescence studies of single InP nanowires grown by low pressure metal organic chemical vapor deposition. Applied Physics Letters, 2007, 91, .	1.5	24
113	Influence of the spontaneous optical emission factorÎ²on the first-order coherence of a semiconductor microcavity laser. Physical Review B, 2008, 78, .	1.1	24
114	Oscillatory variations in the Q factors of high quality micropillar cavities. Applied Physics Letters, 2009, 94, 061108.	1.5	24
115	Coherence signatures and density-dependent interaction in a dynamical exciton-polariton condensate. Physical Review B, 2012, 86, .	1.1	24
116	Method for direct coupling of a semiconductor quantum dot to an optical fiber for single-photon source applications. Optics Express, 2019, 27, 26772.	1.7	24
117	A quantum key distribution testbed using a plug&play telecom-wavelength single-photon source. Applied Physics Reviews, 2022, 9, .	5.5	24
118	Microwave rectification in ballistic nanojunctions at room temperature. Microelectronic Engineering, 2002, 63, 217-221.	1.1	23
119	Coherence properties of high-Î² elliptical semiconductor micropillar lasers. Applied Physics Letters, 2007, 90, 161111.	1.5	23
120	Efficient single-photon source based on a deterministically fabricated single quantum dot - microstructure with backside gold mirror. Applied Physics Letters, 2017, 111, .	1.5	23
121	Fabrication of dense diameter-tuned quantum dot micropillar arrays for applications in photonic information processing. APL Photonics, 2018, 3, .	3.0	23
122	Development of Highly Homogenous Quantum Dot Micropillar Arrays for Optical Reservoir Computing. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-9.	1.9	23
123	Observation of resonance fluorescence and the Mollow triplet from a coherently driven site-controlled quantum dot. Optica, 2015, 2, 1072.	4.8	22
124	Room Temperature Operation of an In-Plane Half-Adder Based on Ballistic Yâ€"Junctions. IEEE Electron Device Letters, 2004, 25, 462-464.	2.2	21
125	Polarization-dependent strong coupling in elliptical high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>micropillar cavities. Physical Review B, 2010, 82, .	1.1	21
126	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

#	Article	IF	Citations
127	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
128	All-optical depletion of dark excitons from a semiconductor quantum dot. Applied Physics Letters, 2015, 106, .	1.5	21
129	Bright Single-Photon Sources Based on Anti-Reflection Coated Deterministic Quantum Dot Microlenses. Technologies, 2016, 4, 1.	3.0	21
130	Directional Emission of a Deterministically Fabricated Quantum Dotâ€œBragg Reflection Multimode Waveguide System. ACS Photonics, 2019, 6, 2231-2237.	3.2	21
131	High beta lasing in micropillar cavities with adiabatic layer design. Applied Physics Letters, 2013, 102, 052114.	1.5	20
132	Using low-contrast negative-tone PMMA at cryogenic temperatures for 3D electron beam lithography. Nanotechnology, 2016, 27, 195301.	1.3	20
133	Resonance fluorescence of a site-controlled quantum dot realized by the buried-stressor growth technique. Applied Physics Letters, 2017, 110, .	1.5	20
134	Strong light-matter coupling in the presence of lasing. Physical Review A, 2017, 96, .	1.0	20
135	Physics and Applications of Highâ€Î² Microâ€•and Nanolasers. Advanced Optical Materials, 2021, 9, 2100415.	3.6	20
136	Numerical optimization of single-mode fiber-coupled single-photon sources based on semiconductor quantum dots. Optics Express, 2022, 30, 15913.	1.7	20
137	In(Ga)As/GaAs siteâ€controlled quantum dots with tailored morphology and high optical quality. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2379-2386.	0.8	19
138	Time-resolved photoluminescence investigations on HfO₂-capped InP nanowires. Nanotechnology, 2010, 21, 105711.	1.3	18
139	Injection Locking of Quantum-Dot Microlasers Operating in the Few-Photon Regime. Physical Review Applied, 2016, 6, .	1.5	18
140	Pump-Power-Driven Mode Switching in a Microcavity Device and Its Relation to Bose-Einstein Condensation. Physical Review X, 2017, 7, .	2.8	18
141	Electrically Driven Quantum Dot Micropillar Light Sources. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1670-1680.	1.9	17
142	Advanced <i>in-situ</i> electron-beam lithography for deterministic nanophotonic device processing. Review of Scientific Instruments, 2015, 86, 073903.	0.6	17
143	A Pulsed Nonclassical Light Source Driven by an Integrated Electrically Triggered Quantum Dot Microlaser. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 681-689.	1.9	17
144	Tailoring the mode-switching dynamics in quantum-dot micropillar lasers via time-delayed optical feedback. Optics Express, 2018, 26, 22457.	1.7	17

#	Article	IF	Citations
145	Recombination dynamics in wurtzite InP nanowires. Physical Review B, 2008, 77, .	1.1	16
146	Electroluminescence from spatially confined exciton polaritons in a textured microcavity. Applied Physics Letters, 2013, 102, .	1.5	16
147	Toward weak confinement regime in epitaxial nanostructures: Interdependence of spatial character of quantum confinement and wave function extension in large and elongated quantum dots. Physical Review B, 2014, 90, .	1.1	16
148	Transition from Jaynes-Cummings to Autler-Townes ladder in a quantum dotâ€"microcavity system. Physical Review B, 2017, 95, .	1.1	16
149	On-chip optoelectronic feedback in a micropillar laser-detector assembly. Optica, 2017, 4, 303.	4.8	16
150	Development of site-controlled quantum dot arrays acting as scalable sources of indistinguishable photons. APL Photonics, 2020, 5, 096107.	3.0	16
151	Nonlinear emission characteristics of quantum dotâ€"micropillar lasers in the presence of polarized optical feedback. New Journal of Physics, 2013, 15, 025030.	1.2	15
152	Cavity assisted emission of single, paired and heralded photons from a single quantum dot device. Optics Express, 2016, 24, 25446.	1.7	15
153	CSAR 62 as negative-tone resist for high-contrast e-beam lithography at temperatures between 4â€‰K and room temperature. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, .	0.6	15
154	Enhancing the photon-extraction efficiency of site-controlled quantum dots by deterministically fabricated microlenses. Optics Communications, 2018, 413, 162-166.	1.0	15
155	Thresholdless Transition to Coherent Emission at Telecom Wavelengths from Coaxial Nanolasers with Excitation Power Dependent Î²â€Factors. Laser and Photonics Reviews, 2020, 14, 2000065.	4.4	15
156	Negative differential conductance in planar one-dimensional/zero-dimensional/one-dimensional GaAs/AlGaAs structures. Applied Physics Letters, 2000, 77, 3662-3664.	1.5	14
157	Self-switching of branched multiterminal junctions: a ballistic half-adder. Applied Physics Letters, 2003, 83, 2462-2464.	1.5	14
158	Logic ANDâˆ•NAND gates based on three-terminal ballistic junctions. Electronics Letters, 2002, 38, 951.	0.5	13
159	Pronounced switching bistability in a feedback coupled nanoelectronic Y-branch switch. Applied Physics Letters, 2003, 82, 1980-1982.	1.5	13
160	Strong coupling in a quantum dot micropillar system under electrical current injection. Applied Physics Letters, 2010, 96, 221102.	1.5	13
161	Site-controlled In(Ga)As/GaAs quantum dots for integration into optically and electrically operated devices. Journal of Crystal Growth, 2011, 323, 194-197.	0.7	13
162	Correlations between axial and lateral emission of coupled quantum dotâ€"micropillar cavities. Physical Review B, 2015, 91, .	1.1	13

#	Article	IF	Citations
163	Unconventional collective normal-mode coupling in quantum-dot-based bimodal microlasers. Physical Review A, 2015, 91, .	1.0	13
164	Slow and fast single photons from a quantum dot interacting with the excited state hyperfine structure of the Cesium D1-line. Scientific Reports, 2019, 9, 13728.	1.6	13
165	Deterministically fabricated strain-tunable quantum dot single-photon sources emitting in the telecom O-band. Applied Physics Letters, 2020, 117, .	1.5	13
166	Thermal stability of emission from single InGaAs/GaAs quantum dots at the telecom O-band. Scientific Reports, 2020, 10, 21816.	1.6	13
167	Excitonic complexes in MOCVD-grown InGaAs/GaAs quantum dots emitting at telecom wavelengths. Physical Review B, 2019, 100, .	1.1	12
168	Quantum dot micropillar lasers. Semiconductor Science and Technology, 2019, 34, 073001.	1.0	12
169	High-performance deterministic in situ electron-beam lithography enabled by cathodoluminescence spectroscopy. Nano Express, 2021, 2, 014007.	1.2	12
170	Bright Electrically Controllable Quantumâ€Dotâ€Molecule Devices Fabricated by In Situ Electronâ€Beam Lithography. Advanced Quantum Technologies, 2021, 4, 2100002.	1.8	12
171	Computational metrics and parameters of an injection-locked large area semiconductor laser for neural network computing [Invited]. Optical Materials Express, 2022, 12, 2793.	1.6	12
172	A novel half-adder circuit based on nanometric ballistic Y-branched junctions. IEEE Electron Device Letters, 2003, 24, 625-627.	2.2	11
173	Compact logic NAND-gate based on a single in-plane quantum-wire transistor. IEEE Electron Device Letters, 2005, 26, 142-144.	2.2	11
174	Coherence dynamics and quantum-to-classical crossover in an excitonâ€"cavity system in the quantum strong coupling regime. New Journal of Physics, 2013, 15, 045013.	1.2	11
175	Study of high-resolution electron-beam resists for applications in low-temperature lithography. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, .	0.6	11
176	Strong charge-carrier localization in InAs/GaAs submonolayer stacks prepared by Sb-assisted metalorganic vapor-phase epitaxy. Physical Review B, 2015, 91, .	1.1	11
177	Micropillars with a controlled number of site-controlled quantum dots. Applied Physics Letters, 2018, 112, .	1.5	11
178	Bimodal behavior of microlasers investigated with a two-channel photon-number-resolving transition-edge sensor system. Physical Review Research, 2021, 3, .	1.3	11
179	Stochastic polarization switching induced by optical injection in bimodal quantum-dot micropillar lasers. Optics Express, 2019, 27, 28816.	1.7	11
180	Extrapolation of the intensity autocorrelation function of a quantum-dot micropillar laser into the thermal emission regime. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1404.	0.9	10

#	Article	IF	Citations
181	Room temperature polariton light emitting diode with integrated tunnel junction. Optics Express, 2013, 21, 31098.	1.7	10
182	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. Physical Review B, 2015, 92, .	1.1	10
183	Design optimization for bright electrically-driven quantum dot single-photon sources emitting in telecom O-band. Optics Express, 2021, 29, 6582.	1.7	10
184	Interference effects in the emission spectra of quantum dots in high-quality cavities. JETP Letters, 2007, 84, 494-499.	0.4	9
185	Resonantly probing micropillar cavity modes by photocurrent spectroscopy. Applied Physics Letters, 2009, 94, 221103.	1.5	9
186	Optically controlled semiconductor spin qubits for quantum information processing. Physica Scripta, 2009, T137, 014010.	1.2	9
187	Polariton condensate coherence in planar microcavities in a magnetic field. Semiconductors, 2016, 50, 1609-1613.	0.2	9
188	Highly indistinguishable photons from a quantum dot in a microcavity. Physica Status Solidi (B): Basic Research, 2011, 248, 867-871.	0.7	8
189	AlGaInAs quantum dot solar cells: tailoring quantum dots for intermediate band formation. Semiconductor Science and Technology, 2012, 27, 032002.	1.0	8
190	Wigner Time Delay Induced by a Single Quantum Dot. Physical Review Letters, 2019, 122, 107401.	2.9	8
191	Spectral control of deterministically fabricated quantum dot waveguide systems using the quantum confined Stark effect. APL Photonics, 2021, 6, .	3.0	8
192	Absolute calibration of a single-photon avalanche detector using a bright triggered single-photon source based on an InGaAs quantum dot. Optics Express, 2021, 29, 23500.	1.7	8
193	Micropillar lasers with site-controlled quantum dots as active medium. Optica, 2019, 6, 404.	4.8	8
194	Strong and weak coupling of single quantum dot excitons in pillar microcavities. Physica Status Solidi (B): Basic Research, 2006, 243, 2224-2228.	0.7	7
195	Investigation of strong coupling between single quantum dot excitons and single photons in pillar microcavities. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 471-475.	1.3	7
196	Weak coupling effects in highâ€Q electrically driven micropillars. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 381-384.	0.8	7
197	Cascaded emission of linearly polarized single photons from positioned InP/GaInP quantum dots. Applied Physics Letters, 2013, 103, 191113.	1.5	7
198	On-chip light detection using monolithically integrated quantum dot micropillars. Applied Physics Letters, 2016, 108, .	1.5	7

#	Article	IF	Citations
199	Photon-statistics excitation spectroscopy of a single two-level system. Physical Review B, 2016, 93, .	1.1	7
200	Numerical Investigation of Light Emission from Quantum Dots Embedded into Onâ€Chip, Lowâ€Indexâ€Contrast Optical Waveguides. Physica Status Solidi (B): Basic Research, 2019, 256, 1800437.	0.7	7
201	Interplay between emission wavelength and s-p splitting in MOCVD-grown InGaAs/GaAs quantum dots emitting above 1.3 <i>Î¼</i> m. Applied Physics Letters, 2020, 116, .	1.5	7
202	Optical pumping of quantum dot micropillar lasers. Optics Express, 2021, 29, 9084.	1.7	7
203	Radiometric characterization of a triggered narrow-bandwidth single-photon source and its use for the calibration of silicon single-photon avalanche detectors. Metrologia, 2020, 57, 055001.	0.6	7
204	Spinâ€Lasing in Bimodal Quantum Dot Micropillar Cavities. Laser and Photonics Reviews, 2022, 16, .	4.4	7
205	Quantum-dot micropillar lasers subject to coherent time-delayed optical feedback from a short external cavity. Scientific Reports, 2019, 9, 631.	1.6	6
206	Quantum efficiency and oscillator strength of InGaAs quantum dots for single-photon sources emitting in the telecommunication O-band. Applied Physics Letters, 2021, 119, .	1.5	6
207	Temperature Dependence of Photoluminescence from Epitaxial InGaAs/GaAs Quantum Dots with High Lateral Aspect Ratio. Acta Physica Polonica A, 2011, 120, 883-887.	0.2	6
208	Quantum Fluctuations and Lineshape Anomaly in a Highâ€<i>Î²</i> Silverâ€Coated InPâ€Based Metallic Nanolaser. Laser and Photonics Reviews, 2022, 16, .	4.4	6
209	Experimental and theoretical investigation of quantum point contacts for the validation of models for surface states. Nanotechnology, 2002, 13, 299-303.	1.3	5
210	Emission characteristics of a highly correlated system of a quantum dot coupled to two distinct micropillar cavity modes. Physical Review B, 2010, 82, .	1.1	5
211	Magnetic-field interaction of spatially confined quantum-well exciton-polaritons. Journal of Physics: Conference Series, 2013, 456, 012033.	0.3	5
212	Cesiumâ€Vaporâ€Based Delay of Single Photons Emitted by Deterministically Fabricated Quantum Dot Microlenses. Advanced Quantum Technologies, 2020, 3, 1900071.	1.8	5
213	Single-Photon Sources Based on Deterministic Quantum-Dot Microlenses. Nano-optics and Nanophotonics, 2017, , 199-232.	0.2	5
214	Optimizing the InGaAs/GaAs Quantum Dots for 1.3 Î¼m Emission. Acta Physica Polonica A, 2017, 132, 386-390.	0.2	5
215	Measuring higher-order photon correlations of faint quantum light: A short review. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 435, 128059.	0.9	5
216	Coherent and ballistic switching effects in GaAs/AlGaAs nanojunctions. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 688-690.	1.3	4

#	Article	IF	Citations
217	Static memory element based on electron Y-branch switch. Electronics Letters, 2005, 41, 303.	0.5	4
218	Magnetooptical investigations of single self assembled In0.3Ga0.7As quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 131-134.	1.3	4
219	Optically pumped lasing from a single pillar microcavity with InGaAs/GaAs quantum well potential fluctuation quantum dots. Journal of Applied Physics, 2009, 105, 053513.	1.1	4
220	Single quantum dot photocurrent spectroscopy in the cavity quantum electrodynamics regime. Physical Review B, 2012, 86, .	1.1	4
221	Photocurrent readout and electro-optical tuning of resonantly excited exciton polaritons in a trap. Physical Review B, 2015, 91, .	1.1	4
222	Efficient stray-light suppression for resonance fluorescence in quantum dot micropillars using self-aligned metal apertures. Semiconductor Science and Technology, 2016, 31, 095007.	1.0	4
223	Suppressed antibunching via spectral filtering: An analytical study in the two-photon Mollow regime. Physical Review A, 2019, 99, .	1.0	4
224	Boosting energy-time entanglement using coherent time-delayed feedback. Physical Review A, 2021, 103, .	1.0	4
225	Determining the linewidth enhancement factor via optical feedback in quantum dot micropillar lasers. Optics Express, 2018, 26, 31363.	1.7	4
226	Design and fabrication of ridge waveguide-based nanobeam cavities for on-chip single-photon sources. Optics Express, 2022, 30, 11973.	1.7	4
227	Single quantum dot controlled gain modulation in highâ€<i>Q</i> micropillar lasers. Physica Status Solidi (B): Basic Research, 2009, 246, 277-282.	0.7	3
228	Controlling the gain contribution of background emitters in few-quantum-dot microlasers. New Journal of Physics, 2018, 20, 023036.	1.2	3
229	Ground-state resonant two-photon transitions in wurtzite GaN/AlN quantum dots. Physical Review B, 2019, 99, .	1.1	3
230	Photon-number parity of heralded single photons from a Bragg-reflection waveguide reconstructed loss-tolerantly via moment generating function. New Journal of Physics, 2019, 21, 103025.	1.2	3
231	Quantum integrated photonic circuits. Semiconductors and Semimetals, 2020, 105, 153-234.	0.4	3
232	Single photon sources for quantum radiometry: a brief review about the current state-of-the-art. Applied Physics B: Lasers and Optics, 2022, 128, 1.	1.1	3
233	Triggered singleâ€photon emission of a resonantly excited quantum dot grown on (111)B GaAs substrate. Physica Status Solidi - Rapid Research Letters, 0, , .	1.2	3
234	Strong coupling in a single quantum dot semiconductor microcavity system. , 2006, , .		2

#	Article	IF	Citations
235	Cavity QED in Quantum Dot - Micropillar Cavity Systems. Nanoscience and Technology, 2009, , 267-297.	1.5	2
236	Highly efficient electrically triggered quantum dot micropillar single photon source. Journal of Physics: Conference Series, 2010, 245, 012005.	0.3	2
237	Intrinsic feedback and bistable switching in Y-branched nanojunctions. Physical Review B, 2010, 81, .	1.1	2
238	Microcavity mode structure investigations with high spatial resolution. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1239-1241.	0.8	2
239	In-plane manipulation of quantum dots in high quality laterally contacted micropillar cavities. Applied Physics Letters, 2011, 98, 191111.	1.5	2
240	Multiexcitonic emission from single elongated InGaAs/GaAs quantum dots. Journal of Applied Physics, 2012, 111, 063522.	1.1	2
241	Exciton-polariton lasers in Magnetic Fields. , 2013, , .		2
242	Exciton-polariton laser diodes. , 2014, , .		2
243	Sub-kT Switching in Asymmetric Y-Transistors With Internal Feedback Coupling. IEEE Journal of the Electron Devices Society, 2015, 3, 158-163.	1.2	2
244	All-optical neuromorphic computing in optical networks of semiconductor lasers. , 2016, , .		2
245	Probing the carrier transfer processes in a self-assembled system with In 0.3 Ga 0.7 As/GaAs quantum dots by photoluminescence excitation spectroscopy. Superlattices and Microstructures, 2016, 93, 214-220.	1.4	2
246	Entanglement robustness to excitonic spin precession in a quantum dot. Physical Review B, 2020, 102, .	1.1	2
247	Deterministic Quantum Devices for Optical Quantum Communication. Springer Series in Solid-state Sciences, 2020, , 285-359.	0.3	2
248	Stressor-Induced Site Control of Quantum Dots for Single-Photon Sources. Springer Series in Solid-state Sciences, 2020, , 53-90.	0.3	2
249	Switching characteristics and demonstration of logic functions in modulation doped GaAs/AlGaAs nanoelectronic devices. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 954-956.	1.3	1
250	Single InGaAs quantum dot flash memory. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 1343-1346.	0.8	1
251	Drain voltage induced barrier increasing of quantum-wire transistors. Electronics Letters, 2004, 40, 75.	0.5	1
252	Semiconductor quantum dot micropillar cavities for quantum electrodynamic experiments. , 2005, , .		1

#	Article	IF	Citations
253	Coherent photonic coupling of semiconductor quantum dots: erratum. Optics Letters, 2006, 31, 3507.	1.7	1
254	Recent advances in nanophotonicsâ€"From physics to devices. Current Applied Physics, 2006, 6, e166-e171.	1.1	1
255	Self-Gating in Nanoelectronic Junctions. , 0, , .		1
256	Up on the Jaynes-Cummings ladder of an exciton-cavity system. Proceedings of SPIE, 2010, , .	0.8	1
257	Magneto-optical cavity quantum electrodynamics effects in quantum dot - micropillar systems. Journal of Physics: Conference Series, 2011, 334, 012011.	0.3	1
258	Cavity quantum electrodynamics studies with site-controlled InGaAs quantum dots integrated into high quality microcavities. , 2011, , .		1
259	An electrically pumped polariton laser. , 2015, , .		1
260	Hybrid microcavity for superminiature single quantum dot based emitters. Optoelectronics, Instrumentation and Data Processing, 2017, 53, 178-183.	0.2	1
261	A bright triggered twin-photon source in the solid state. , 2017, , .		1
262	Nonclassical Light Sources Based on Selectively Positioned Deterministic Microlens Structures and (111) In(Ga)As Quantum Dots. Semiconductors, 2019, 53, 1304-1307.	0.2	1
263	Light-matter Interaction in Single Quantum Dot -Micropillar Cavity Systems. , 0, , 323-354.		1
264	Semiconductor Cavity Quantum Electrodynamics with Single Quantum Dots. Acta Physica Polonica A, 2009, 116, 445-450.	0.2	1
265	An electrically driven polariton laser. , 2013, , .		1
266	Controlling the Biexciton-Exciton Cascade Kinetics in a Quantum Dot via Coupling to a Microcavity Optical Mode. Acta Physica Polonica A, 2016, 129, A-44-A-47.	0.2	1
267	Indistinguishable photons from deterministically integrated single quantum dots in heterogeneous GaAs/Si3N4 quantum photonic circuits. , 2019, , .		1
268	The Design of an Electrically-Driven Single Photon Source of the 1.3-Î¼m Spectral Range Based on a Vertical Microcavity with Intracavity Contacts. Technical Physics Letters, 2021, 47, 222-226.	0.2	1
269	Extraction of silver losses at cryogenic temperatures through the optical characterization of silver-coated plasmonic nanolasers. Optics Express, 2022, 30, 21664.	1.7	1
270	1D-0D-1D Transitions in GaAs/AlGaAs Electron Waveguides Coupled by a Semiconducting Island. Physica Status Solidi (B): Basic Research, 2001, 224, 863-865.	0.7	0

#	Article	IF	Citations
271	Strong exciton-photon coupling of In<inf>0.43</inf>Ga<inf>0.57</inf>As quantum dots in high quality micropillar cavities. , 2006, , .		0
272	Coherence Properties of High-Beta Semiconductor Micropillar Lasers. , 2007, , .		0
273	Vertically emitting AlAs/GaAs microcavities with quality factors exceeding 110.000. , 2007, , .		0
274	Laser emission from quantum dots in high-Q micropillar cavities. , 2007, , .		0
275	Time-Resolved Spectroscopy of Epitaxial InP Nanowires. , 2007, , .		0
276	Strong coupling of single quantum dots to micropillars. , 2007, , .		0
277	Electrically driven quantum dot microcavities for future devices â€" status, potential and challenges. , 2008, , .		0
278	Cavity quantum electrodynamics in electrically addressed quantum dot-micropillar cavities. , 2008, , .		0
279	Electrically driven quantum dot high quality factor micropillar cavities. , 2008, , .		0
280	Quantum Dot Microlasers. , 2009, , .		0
281	Resonantly probing micropillar cavity modes by photocurrent spectroscopy. , 2009, , .		0
282	Coherence length of high-Î²semiconductor microcavity lasers. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 568-571.	0.8	0
283	Ultrafast intensity correlation measurements of quantum dot microcavity lasers. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 399-402.	0.8	0
284	Quantum dot micropillar lasers. Proceedings of SPIE, 2009, , .	0.8	0
285	cQED enhanced light detection and emission in electrically contacted quantum dot micropillars. , 2010, , .		0
286	Non-resonant cavity-quantum dot coupling. Journal of Physics: Conference Series, 2010, 210, 012058.	0.3	0
287	Semiconductor quantum light emitters and sensors. , 2010, , .		0
288	Highly Efficient Electrically Driven Quantum Dot Micropillar Single Photon Sources. , 2010, , .		0

#	Article	IF	Citations
289	Spontaneously Localized Photonic Modes Due to Disorder in the Dielectric Constant. , 2010, , .		0
290	Electrically driven quantum dot micropillar single photon sources. , 2010, , .		0
291	Exciton-polariton laser diodes. , 2010, , .		0
292	Bloch-wave engineered submicron diameter micropillars with quality factors exceeding 10,000. , 2011, , .		0
293	Towards a Terahertz Room-Temperature Integrated Source. Procedia Computer Science, 2011, 7, 205-206.	1.2	0
294	Observation of non-Markovian dynamics of a single quantum dot in a micropillar cavity. , 2011, , .		0
295	Towards intermediate-band formation in solar cells with AlGaInAs quantum dots. , 2012, , .		0
296	Single photon sources for quantum information applications. , 2012, , .		0
297	Highly efficient quantum dot micropillar lasers. , 2012, , 117-153.		0
298	Quantum dot microlasers with external feedback: a chaotic system close to the quantum limit. Proceedings of SPIE, 2012, , .	0.8	0
299	Quantum dot â€" Microlasers with external feedback â€" A chaotic system close to the quantum limit. , 2012, , .		0
300	Room temperature, continuous wave lasing in microcylinder and microring quantum dot laser diodes. , 2012, , .		0
301	Electrically driven exciton-polariton lasers. , 2013, , .		0
302	Self-aligned quantum-dot growth for single-photon sources. , 2013, , .		0
303	On-Chip Quantum Optics using Electrically Driven Quantum Dot - Micropillar Cavities. , 2013, , .		0
304	On-chip quantum optics with electrically driven quantum dot micropillar cavities. , 2013, , .		0
305	Free space quantum key distribution over 500 meters using electrically driven quantum dot single photon sources. , 2013, , .		0
306	Bloch-wave engineered submicron-diameter quantum-dot micropillars for cavity QED experiments. Proceedings of SPIE, 2013, , .	0.8	0

#	Article	IF	Citations
307	Advanced Quantum Light Sources: Modelling and Realization by Deterministic Nanofabrication Technologies. , 2014, , .		0
308	Free Space Quantum Key Distribution over 500 Meters using Electrically Triggered Quantum Dot Single-Photon Sources. , 2014, , .		0
309	Boosting the photon-extraction efficiency of nanophotonic structures by deterministic microlenses. , 2014, , .		0
310	Semiconductor Exciton-Polariton Lasers. , 2014, , .		0
311	On-chip quantum optics with integrated electrically driven microlasers. , 2014, , .		0
312	Polariton Laser Diodes. , 2014, , .		0
313	Publisher's Note: Unconventional collective normal-mode coupling in quantum-dot-based bimodal microlasers [Phys. Rev. A91, 043840 (2015)]. Physical Review A, 2015, 91, .	1.0	0
314	Injection Locking of High-Î² Quantum Dot Microlasers. , 2016, , .		0
315	Subminiature emitters based on a single (111) In(Ga)As quantum dot and hybrid microcavity. Semiconductors, 2017, 51, 1399-1402.	0.2	0
316	High-Î² quantum dot-microlasers subject to time-delayed optical feedback. , 2017, , .		0
317	High-Î² micropillar lasers with site-controlled quantum dots fabricated via a buried stressor approach. , 2017, , .		0
318	InGaAs quantum-dot micropillar emitters: From spontaneous emission and superradiance to lasing. , 2017, , .		0
319	Strong delay of quantum dot single photons in cesium vapor. , 2017, , .		0
320	Lasing in micro- and nano-lasers. , 2017, , .		0
321	Two-photon interference from remote deterministic quantum dot microlenses. , 2017, , .		0
322	Quantum-Optical Spectroscopy of a Two-Level System Using an Electrically Driven Micropillar Laser as Resonant Excitation Source. , 2018, , .		0
323	Spectroscopy of Single AlInAs and (111)-Oriented InGaAs Quantum Dots. Semiconductors, 2018, 52, 1437-1441.	0.2	0
324	Quantum light sources based on deterministic microlenses structures with (111) In(Ga)As and AlInAs QDs.. Journal of Physics: Conference Series, 2020, 1461, 012028.	0.3	0

#	Article	IF	Citations
325	Directional Singleâ€Photon Emission from Deterministic Quantum Dot Waveguide Structures. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000115.	1.2	0
326	Quantum Dot Single-Photon Emission Coupled into Single-Mode Fibers with 3D Printed Micro-Objectives. , 2021, , .		0
327	High-Q whispering gallery modes in pillar microcavities. Annales De Physique, 2007, 32, 123-126.	0.2	0
328	Coherent dynamics of one and two-photon states in a strongly coupled single quantum dot-cavity system. , 2009, , .		0
329	Cavity Quantum Electrodynamics in Electrically Driven Quantum Dot-Micropillar Cavities. , 2009, , .		0
330	Magneto-Optical Cavity Quantum Electrodynamics Effects in Quantum Dot Micropillar Systems. , 2010, , .		0
331	Non-Markovian spontaneous emission from a single quantum dot. , 2011, , .		0
332	LIMITLESS RANGE QUANTUM COMMUNICATIONS: STEPS TOWARDS A SOLID STATE QUANTUM REPEATER. , 2012, , .		0
333	Two Photon Interference from Semiconductor Quantum Dots. , 2014, , .		0
334	Fabrication of Deterministic Quantum Light Sources using Cathodoluminescence Lithography. , 2014, , .		0
335	Indistinguishable Photons from Deterministically Fabricated Quantum Dot Microlenses. , 2015, , .		0
336	Synchronization of Mutually Coupled High-Î² Quantum Dot Microlasers. , 2017, , .		0
337	Mode switching in bimodal microcavities and its connection to Bose condensation. , 2017, , .		0
338	Semiconductor quantum dot to fiber coupling system for 1.3 um range. , 2018, , .		0
339	Heterogeneous integrated quantum photonic devices with single, deterministically positioned InAs quantum dots. , 2019, , .		0
340	Photon-number-resolving transition-edge sensors for the metrology of photonic microstructures based on semiconductor quantum dots. , 2019, , .		0
341	Design of electrically driven single photon source based on dielectric passive cavity structure at 1.3 Î¼m. Journal of Physics: Conference Series, 2020, 1697, 012179.	0.3	0
342	Heterogeneous integrated silicon photonic circuits with deterministically fabricated single quantum dot single-photon sources. , 2020, , .		0

#	Article	IF	Citations
343	Emission Characteristics, Photon Statistics and Coherence Properties of high-Î² Semiconductor Micropillar Lasers. , 2008, , 3-15.		0
344	Quantum optical characterization of high-Î² silver-coated InGaAsP-based multiple quantum well metallic nanolasers. , 2021, , .		0
345	A Quantum Key Distribution Testbed Using Plug&Play Telecom-Wavelength Single-Photons. , 2021, , .		0
346	Neural Network Computing using a Semiconductor Multimode Laser. , 2021, , .		0
347	Neural network computing using a large-area VCSEL. , 2021, , .		0
348	Design of electrically driven single-photon source based on intra-cavity contacted microcavity with oxide-confined optical apertures emitting at 1.3 Î¼m. Journal of Physics: Conference Series, 2021, 2103, 012181.	0.3	0