Martin Kamp

List of Publications by Year
in descending order

573 papers	16,105 citations	22153 59 h-index	25787 108 g-index
575 all docs	575 docs citations	575 times ranked	11300 citing authors

#	Article	IF	Citations
1	Statistical modeling of epitaxial thin films of an intrinsic antiferromagnetic topological insulator. Thin Solid Films, 2022, 750, 139183.	1.8	1
2	Antiferromagnetic order in MnBi2Te4 films grown on Si(1Â1Â1) by molecular beam epitaxy. Journal of Crystal Growth, 2022, 591, 126677.	1.5	7
3	Understanding photoluminescence in semiconductor Bragg-reflection waveguides. Journal of Optics (United Kingdom), 2021, 23, 035801.	2.2	4
4	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.	9.1	36
5	Hard x-ray photoemission spectroscopy of LaVO3/SrTiO3 : Band alignment and electronic reconstruction. Physical Review B, 2021, 103, .	3.2	4
6	Correcting STEM distortions in atomically resolved elemental maps. Microscopy and Microanalysis, 2021, 27, 596-598.	0.4	0
7	Difference-frequency generation in an AlGaAs Bragg-reflection waveguide using an on-chip electrically-pumped quantum dot laser. Journal of Optics (United Kingdom), 2021, 23, 085802.	2.2	3
8	Experimental measurement of phase distributions in disordered systems. , 2021, , .		0
9	Molecular beam epitaxy of antiferromagnetic (MnBi2Te4)(Bi2Te3) thin films on BaF2 (111). Journal of Applied Physics, 2020, 128, .	2.5	23
10	Accurate photon echo timing by optical freezing of exciton dephasing and rephasing in quantum dots. Communications Physics, 2020, 3, .	5.3	10
11	Electronic structure of epitaxial perovskite films in the two-dimensional limit: Role of the surface termination. Applied Physics Letters, 2020, 116, 201601.	3.3	2
12	Four-wave mixing dynamics of a strongly coupled quantum-dotâ€"microcavity system driven by up to 20 photons. Physical Review B, 2020, 101, .	3.2	7
13	Incorporation of Europium in Bi₂Te₃ Topological Insulator Epitaxial Films. Journal of Physical Chemistry C, 2020, 124, 16048-16057.	3.1	10
14	Picosecond pulses from a monolithic GaSb-based passive mode-locked laser. Applied Physics Letters, 2020, 116, .	3.3	7
15	Atomicâ€Scale Interface Structure in Domain Matching Epitaxial BaBiO 3 Thin Films Grown on SrTiO 3 Substrates. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000054.	2.4	7
16	Picosecond ultrasonics with miniaturized semiconductor lasers. Ultrasonics, 2020, 106, 106150.	3.9	6
17	Acoustic phonon sideband dynamics during polaron formation in a single quantum dot. Optics Letters, 2020, 45, 919.	3.3	16
18	Discrepant transport characteristics under Anderson localization at the two limits of disorder. Physical Review B, 2020, 102, .	3.2	2

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19	Optical Thouless Conductance in Anderson Localizing Systems. , 2020, , .		0
20	Frequency comb investigation of monolithic modeâ€locked GaSbâ€based laser at 1.7 Âµm by heterodyne detection. Electronics Letters, 2020, 56, 1206-1208.	1.0	0
21	Molecular beam epitaxy of the half-Heusler antiferromagnet CuMnSb. Physical Review Materials, 2020, 4, .	2.4	5
22	Quantum Interference between Light Sources Separated by 150 Million Kilometers. Physical Review Letters, 2019, 123, 080401.	7.8	57
23	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, .	3.2	26
24	Evanescently Coupled DBR Laser Arrays in the 760â€“770 nm Wavelength Range. IEEE Photonics Technology Letters, 2019, 31, 1319-1322.	2.5	6
25	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.	2.9	3
26	Generalized Conductance Fluctuations in Anderson Localization at the two Limits of Disorder. , 2019, , .		0
27	Integrated Semiconductor Quantum Photonics. , 2019, , .		0
28	Optical Thouless conductance and level-spacing statistics in two-dimensional Anderson localizing systems. Physical Review B, 2019, 100, .	3.2	15
29	Two-kind boson mixture honeycomb Hamiltonian of Bloch exciton-polaritons. Physical Review B, 2019, 99, .	3.2	4
30	Optimizing the spectro-temporal properties of photon pairs from Bragg-reflection waveguides. Journal of Optics (United Kingdom), 2019, 21, 054001.	2.2	4
31	Efficient Quantum Photonic Phase Shift in a Low Q-Factor Regime. ACS Photonics, 2019, 6, 429-435.	6.6	14
32	Quantum dot spins in micropillar cavities. , 2019, , .		0
33	DFB Interband Cascade Laser Array for mid infrared spectroscopy. , 2019, , .		0
34	Anderson Localization in Nearly-periodic and Strongly Disordered Finite-supported Systems. , 2019, , .		0
35	Towards integrated quantum photonic circuits on GaAs. , 2019, , .		1
36	Domain matching epitaxy of BaBiO3 on SrTiO3 with structurally modified interface. Applied Physics Letters, 2018, 112, 141601.	3.3	17

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37	Photon Echo from an Ensemble of (In,Ga)As Quantum Dots. Semiconductors, 2018, 52, 531-534.	0.5	1
38	Controlled Growth of High-Aspect-Ratio Single-Crystalline Gold Platelets. Crystal Growth and Design, 2018, 18, 1297-1302.	3.0	42
39	Semi-automatic engineering and tailoring of high-efficiency Bragg-reflection waveguide samples for quantum photonic applications. Quantum Science and Technology, 2018, 3, 024002.	5.8	10
40	Enhanced Fluorescence Resonance Energy Transfer in G-Protein-Coupled Receptor Probes on Nanocoated Microscopy Coverslips. ACS Photonics, 2018, 5, 2225-2233.	6.6	7
41	Controlled Ordering of Topological Charges in an Exciton-Polariton Chain. Physical Review Letters, 2018, 121, 225302.	7.8	28
42	Controlling the gain contribution of background emitters in few-quantum-dot microlasers. New Journal of Physics, 2018, 20, 023036.	2.9	3
43	Double-waveguide interband cascade laser with dual-wavelength emission. Applied Physics Letters, 2018, 113, 251105.	3.3	0
44	Quantum-Optical Spectroscopy of a Two-Level System Using an Electrically Driven Micropillar Laser as Resonant Excitation Source. , 2018, , .		0
45	Sharpening emitter localization in front of a tuned mirror. Light: Science and Applications, 2018, 7, 99.	16.6	10
46	Studies of photon echo from exciton ensemble in (In,Ga)As quantum dots. Journal of Physics: Conference Series, 2018, 951, 012029.	0.4	1
47	Tailoring the mode-switching dynamics in quantum-dot micropillar lasers via time-delayed optical feedback. Optics Express, 2018, 26, 22457.	3.4	17
48	Exploring the Photon-Number Distribution of Bimodal Microlasers with a Transition Edge Sensor. Physical Review Applied, 2018, 9, .	3.8	31
49	Optical tuning of the charge carrier type in the topological regime of InAs/GaSb quantum wells. Physical Review B, 2018, 98, .	3.2	7
50	A Biochemical Sensor Based on a Sensing Waveguide With Efficient Analyte Overlap and a Single-Mode DFB Laser. , 2018, 2, 1-3.		0
51	Invited Article: Time-bin entangled photon pairs from Bragg-reflection waveguides. APL Photonics, 2018, 3, 080804.	5.7	14
52	Boosting the Localization Precision in Super-Resolution Microscopy: booSTORM. Biophysical Journal, 2018, 114, 530a.	0.5	0
53	Live-cell fluorescence imaging with extreme background suppression by plasmonic nanocoatings. Optics Express, 2018, 26, 21301.	3.4	8
54	Toward Scalable Boson Sampling with Photon Loss. Physical Review Letters, 2018, 120, 230502.	7.8	97

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55	High quality factor GaAs microcavity with buried bullseye defects. Physical Review Materials, 2018, 2, .	2.4	2
56	Mid-infrared detectors based on resonant tunneling diodes and interband cascade structures. , 2018, , .		1
57	Rabi oscillations of a quantum dot exciton coupled to acoustic phonons: coherence and population readout. Optica, 2018, 5, 1442.	9.3	19
58	Room temperature operation of GaSb-based resonant tunneling diodes by prewell injection. Applied Physics Letters, 2017, 110, .	3.3	12
59	Optimizing the active region of interband cascade lasers for passive mode-locking. AIP Advances, 2017, 7, .	1.3	7
60	Photon echoes from (In,Ga)As quantum dots embedded in a Tamm-plasmon microcavity. Physical Review B, 2017, 95, .	3.2	23
61	High-efficiency multiphoton boson sampling. Nature Photonics, 2017, 11, 361-365.	31.4	330
62	Laterally coupled DFB interband cascade laser with tapered ridge. Electronics Letters, 2017, 53, 743-744.	1.0	0
63	On-Chip Single-Plasmon Nanocircuit Driven by a Self-Assembled Quantum Dot. Nano Letters, 2017, 17, 4291-4296.	9.1	30
64	Associative learning with Y-shaped floating gate transistors operated in memristive modes. Applied Physics Letters, 2017, 110, .	3.3	7
65	Electrically Tunable Single-Photon Source Triggered by a Monolithically Integrated Quantum Dot Microlaser. ACS Photonics, 2017, 4, 790-794.	6.6	31
66	Picosecond Control of Quantum Dot Laser Emission by Coherent Phonons. Physical Review Letters, 2017, 118, 133901.	7.8	23
67	Transition from Jaynes-Cummings to Autler-Townes ladder in a quantum dotâ€"microcavity system. Physical Review B, 2017, 95, .	3.2	16
68	Nanoscale Tipping Bucket Effect in a Quantum Dot Transistor-Based Counter. Nano Letters, 2017, 17, 2273-2279.	9.1	5
69	Coherent coupling of individual quantum dots measured with phase-referenced two-dimensional spectroscopy: Photon echo versus double quantum coherence. Physical Review B, 2017, 96, .	3.2	16
70	Dynamics of the optical spin Hall effect. Physical Review B, 2017, 96, .	3.2	6
71	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.	16.6	79
72	Pump-Power-Driven Mode Switching in a Microcavity Device and Its Relation to Bose-Einstein Condensation. Physical Review X, 2017, 7, .	8.9	18

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73	Prototype of a bistable polariton field-effect transistor switch. Scientific Reports, 2017, 7, 5114.	3.3	10
74	Quantum State Transfer from a Single Photon to a Distant Quantum-Dot Electron Spin. Physical Review Letters, 2017, 119, 060501.	7.8	35
75	Exciton-polariton flows in cross-dimensional junctions. Physical Review B, 2017, 95, .	3.2	8
76	Strong light-matter coupling in the presence of lasing. Physical Review A, 2017, 96, .	2.5	20
77	Exploring coherence of individual excitons in InAs quantum dots embedded in natural photonic defects: Influence of the excitation intensity. Physical Review B, 2017, 96, .	3.2	9
78	Temperature tuning from direct to inverted bistable electroluminescence in resonant tunneling diodes. Journal of Applied Physics, 2017, 122, 154502.	2.5	12
79	Carrier transfer between confined and localized states in type II InAs/GaAsSb quantum wells. Optical and Quantum Electronics, 2017, 49, 1.	3.3	4
80	Experimental Verification of the Very Strong Coupling Regime in a GaAs Quantum Well Microcavity. Physical Review Letters, 2017, 119, 027401.	7.8	33
81	Time-Bin-Encoded Boson Sampling with a Single-Photon Device. Physical Review Letters, 2017, 118, 190501.	7.8	123
82	Exciton-polariton trapping and potential landscape engineering. Reports on Progress in Physics, 2017, 80, 016503.	20.1	157
83	Circular and linear photogalvanic effects in type-II GaSb/InAs quantum well structures in the inverted regime. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 85, 193-198.	2.7	10
84	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.	7.8	81
85	Deterministic giant photon phase shift from a single charged quantum dot. , 2017, , .		0
86	High-Î² quantum dot-microlasers subject to time-delayed optical feedback. , 2017, , .		0
87	InGaAs quantum-dot micropillar emitters: From spontaneous emission and superradiance to lasing. , 2017, , .		0
88	Electrical tuning of the oscillator strength in type II InAs/GaInSb quantum wells for active region of passively mode-locked interband cascade lasers. Japanese Journal of Applied Physics, 2017, 56, 110301.	1.5	7
89	Optimizing single-mode collection from pointlike sources of single photons with adaptive optics. Optics Express, 2017, 25, 18629.	3.4	0
90	Acousto-optical nanoscopy of buried photonic nanostructures. Optica, 2017, 4, 588.	9.3	1

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91	On-chip optoelectronic feedback in a micropillar laser-detector assembly. Optica, 2017, 4, 303.	9.3	16
92	Temporally versatile polarization entanglement from Bragg reflection waveguides. Optics Letters, 2017, 42, 2102.	3.3	13
93	Efficient deterministic giant photon phase shift from a single charged quantum dot. , 2017, , .		0
94	Giant Photon Bunching and Quantum Correlations in Superradiant Quantum-Dot Microcavity Lasers. , 2017, , .		0
95	Synchronization of Mutually Coupled High-Î² Quantum Dot Microlasers. , 2017, , .		0
96	Mode switching in bimodal microcavities and its connection to Bose condensation. , 2017, , .		0
97	Antimonide-based resonant tunneling photodetectors for mid infrared wavelength light detection. , 2017, , .		0
98	Mid infrared DFB interband cascade lasers. , 2017, , .		16
99	Influence of carrier concentration on properties of InAs waveguide layers in interband cascade laser structures. Journal of Applied Physics, 2016, 120, .	2.5	2
100	Injection Locking of High-Î² Quantum Dot Microlasers. , 2016, , .		0
101	Microfiber-microcavity system for efficient single photon collection. Optics Express, 2016, 24, 23471.	3.4	4
102	Half adder capabilities of a coupled quantum dot device. Nanotechnology, 2016, 27, 215201.	2.6	0
103	Tailoring the photoluminescence polarization anisotropy of a single InAs quantum dash by a post-growth modification of its dielectric environment. Journal of Applied Physics, 2016, 120, .	2.5	8
104	Monolithic single mode interband cascade lasers with wide wavelength tunability. Applied Physics Letters, 2016, 109, .	3.3	11
105	Giant photon bunching, superradiant pulse emission and excitation trapping in quantum-dot nanolasers. Nature Communications, 2016, 7, 11540.	12.8	120
106	Light sensitive memristor with bi-directional and wavelength-dependent conductance control. Applied Physics Letters, 2016, 109, .	3.3	35
107	Circularly polarized lasing in chiral modulated semiconductor microcavity with GaAs quantum wells. Applied Physics Letters, 2016, 109, .	3.3	16
108	On-chip light detection using monolithically integrated quantum dot micropillars. Applied Physics Letters, 2016, 108, .	3.3	7

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109	Mimicking of pulse shape-dependent learning rules with a quantum dot memristor. Journal of Applied Physics, 2016, 120, .	2.5	6
110	Interband Cascade Lasers for gas sensing. , 2016, , .		0
111	Cost-effective tunable laser gas-sensor module for high-volume applications, using DFB laser diodes in the NIR, and ICL in the MIR. , 2016, , .		1
112	Single-photon emission of InAs/InP quantum dashes at 1.55â€‰<i>Î¼</i>m and temperatures up to 80â€‰K. Applied Physics Letters, 2016, 108, .	3.3	38
113	An electrically driven cavity-enhanced source of indistinguishable photons with 61% overall efficiency. APL Photonics, 2016, 1, .	5.7	60
114	Type-II quantum wells with tensile-strained GaAsSb layers for interband cascade lasers with tailored valence band mixing. Applied Physics Letters, 2016, 108, .	3.3	18
115	Efficient stray-light suppression for resonance fluorescence in quantum dot micropillars using self-aligned metal apertures. Semiconductor Science and Technology, 2016, 31, 095007.	2.0	4
116	Mode-switching induced super-thermal bunching in quantum-dot microlasers. New Journal of Physics, 2016, 18, 063011.	2.9	45
117	Uncovering dispersion properties in semiconductor waveguides to study photon-pair generation. Nanotechnology, 2016, 27, 434003.	2.6	9
118	Photoluminescence quenching mechanisms in type II InAs/GaInSb QWs on InAs substrates. Optical and Quantum Electronics, 2016, 48, 1.	3.3	7
119	Sensitivity of resonant tunneling diode photodetectors. Nanotechnology, 2016, 27, 355202.	2.6	36
120	Talbot Effect for Exciton Polaritons. Physical Review Letters, 2016, 117, 097403.	7.8	29
121	Highly indistinguishable on-demand resonance fluorescence photons from a deterministic quantum dot micropillar device with 74% extraction efficiency. Optics Express, 2016, 24, 8539.	3.4	143
122	Visualising Berry phase and diabolical points in a quantum exciton-polariton billiard. Scientific Reports, 2016, 6, 37653.	3.3	9
123	GaAs integrated quantum photonics: Towards compact and multiâ€functional quantum photonic integrated circuits. Laser and Photonics Reviews, 2016, 10, 870-894.	8.7	165
124	Innovative mid-infrared detector concepts. , 2016, , .		7
125	Photoresponse of resonant tunneling diode photodetectors as a function of bias voltage. Proceedings of SPIE, 2016, , .	0.8	3
126	Dynamics of excitons in individual InAs quantum dots revealed in four-wave mixing spectroscopy. Optica, 2016, 3, 377.	9.3	34

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127	Electro-Photo-Sensitive Memristor for Neuromorphic and Arithmetic Computing. Physical Review Applied, 2016, 5, .	3.8	37
128	Cavity-enhanced simultaneous dressing of quantum dot exciton and biexciton states. Physical Review B, 2016, 93, .	3.2	36
129	Collective state transitions of exciton-polaritons loaded into a periodic potential. Physical Review B, 2016, 93, .	3.2	45
130	Photon echo transients from an inhomogeneous ensemble of semiconductor quantum dots. Physical Review B, 2016, 93, .	3.2	28
131	Impact of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="italic">ex</mml:mi><mml:mspace width="0.28em" /><mml:mi mathvariant="italic">situ</mml:mi></mml:math>rapid thermal annealing on magneto-optical properties and oscillator strength of In(Ga)As quantum dots. Physical Review B, 2016, 93, .	3.2	6
132	Overcoming power broadening of the quantum dot emission in a pure wurtzite nanowire. Physical Review B, 2016, 93, .	3.2	63
133	Experimental realization of a polariton beam amplifier. Physical Review B, 2016, 93, .	3.2	16
134	Photon-statistics excitation spectroscopy of a single two-level system. Physical Review B, 2016, 93, .	3.2	7
135	Charged quantum dot micropillar system for deterministic light-matter interactions. Physical Review B, 2016, 93, .	3.2	45
136	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.	7.8	675
137	Near-Transform-Limited Single Photons from an Efficient Solid-State Quantum Emitter. Physical Review Letters, 2016, 116, 213601.	7.8	150
138	Coherent Polariton Laser. Physical Review X, 2016, 6, .	8.9	47
139	Observation of the Transition from Lasing Driven by a Bosonic to a Fermionic Reservoir in a GaAs Quantum Well Microcavity. Physical Review Letters, 2016, 117, 127401.	7.8	6
140	Injection Locking of Quantum-Dot Microlasers Operating in the Few-Photon Regime. Physical Review Applied, 2016, 6, .	3.8	18
141	Strategies for bright single photon sources in solid state: Coupled quantum dot cavities and monolayer-based systems. , 2016, , .		0
142	Novel mono mode interband cascade laser sources for challenging TLAS applications in the MIR. , 2016, , .		0
143	Lasing in Bose-Fermi mixtures. Scientific Reports, 2016, 6, 20091.	3.3	21
144	Probing different regimes of strong field lightâ€“matter interaction with semiconductor quantum dots and few cavity photons. New Journal of Physics, 2016, 18, 123031.	2.9	9

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145	Mid-infrared interband cascade lasers. , 2016, , .		0
146	Single-mode interband cascade laser sources for mid-infrared spectroscopic applications. Proceedings of SPIE, 2016, , .	0.8	5
147	Quantum dot micropillar cavities with quality factors exceeding 250,000. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	46
148	Simple Electrical Modulation Scheme for Laser Feedback Imaging. IEEE Sensors Journal, 2016, 16, 1937-1942.	4.7	20
149	Effect of Dielectric Medium Anisotropy on the Polarization Degree of Emission from a Single Quantum Dash. Acta Physica Polonica A, 2016, 129, A-48-A-52.	0.5	2
150	Multi-wave coherent control of a solid-state single emitter. Nature Photonics, 2016, 10, 155-158.	31.4	34
151	Interband cascade laser sources in the mid-infrared for green photonics. Proceedings of SPIE, 2016, , .	0.8	0
152	Room Temperature Carrier Kinetics in the W-type GaInAsSb/InAs/AlSb Quantum Well Structure Emitting in Mid-Infrared Spectral Range. Acta Physica Polonica A, 2016, 130, 1224-1228.	0.5	6
153	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.	0.5	1
154	Efficient Single Photon Collection based on Phased-Matched Microfiber-Microcavity Coupling. , 2016, , .		0
155	Interband Cascade Lasers in the MIR for Sensing Applications. , 2016, , .		0
156	Quantum-shot-noise-driven optical antennas. , 2016, , .		0
157	Talbot effect for exciton-polaritons. , 2016, , .		0
158	Observation of resonance fluorescence and the Mollow triplet from a coherently driven site-controlled quantum dot. Optica, 2015, 2, 1072.	9.3	22
159	Deterministic generation of bright single resonance fluorescence photons from a Purcell-enhanced quantum dot-micropillar system. Optics Express, 2015, 23, 32977.	3.4	22
160	Logical Stochastic Resonance with a Coulomb-Coupled Quantum-Dot Rectifier. Physical Review Applied, 2015, 4, .	3.8	45
161	Two-photon interference from a quantum dot microcavity: Persistent pure dephasing and suppression of time jitter. Physical Review B, 2015, 91, .	3.2	30
162	Transient optical parametric oscillations in resonantly pumped multistable cavity polariton condensates. Physical Review B, 2015, 92, .	3.2	5

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163	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></m Physical Review B, 2015, 92, .	3.2	42
164	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, .	3.2	10
165	Ghost Branch Photoluminescence From a Polariton Fluid Under Nonresonant Excitation. Physical Review Letters, 2015, 115, 186401.	7.8	26
166	Controlling circular polarization of light emitted by quantum dots using chiral photonic crystal slabs. Physical Review B, 2015, 92, .	3.2	36
167	Publisher's Note: Unconventional collective normal-mode coupling in quantum-dot-based bimodal microlasers [Phys. Rev. A91, 043840 (2015)]. Physical Review A, 2015, 91, .	2.5	0
168	All-optical flow control of a polariton condensate using nonresonant excitation. Physical Review B, 2015, 91, .	3.2	48
169	Photon-Statistics Excitation Spectroscopy of a Quantum-Dot Micropillar Laser. Physical Review Letters, 2015, 115, 027401.	7.8	18
170	Efficient single photon source based on Î¼-fibre-coupled tunable microcavity. Scientific Reports, 2015, 5, 14309.	3.3	25
171	Direct fiber-coupled single photon source based on a photonic crystal waveguide. Applied Physics Letters, 2015, 107, .	3.3	8
172	InAs-based distributed feedback interband cascade lasers. Applied Physics Letters, 2015, 107, 181105.	3.3	9
173	Efficient single photon collection using tunable microfiber-coupled photonic crystal cavity. , 2015, , .		0
174	Broadband indistinguishability from bright parametric downconversion in a semiconductor waveguide. Journal of Optics (United Kingdom), 2015, 17, 125201.	2.2	19
175	Optical bistability in electrically driven polariton condensates. Physical Review B, 2015, 91, .	3.2	30
176	Enhanced single photon emission from positioned InP/GaInP quantum dots coupled to a confined Tamm-plasmon mode. Applied Physics Letters, 2015, 106, .	3.3	29
177	Memristive operation mode of a site-controlled quantum dot floating gate transistor. Applied Physics Letters, 2015, 106, .	3.3	16
178	Nanothermometer Based on Resonant Tunneling Diodes: From Cryogenic to Room Temperatures. ACS Nano, 2015, 9, 6271-6277.	14.6	23
179	An electrically pumped polariton laser. , 2015, , .		1
180	Submonolayer Uniformity of Type II InAs/GaInSb W-shaped Quantum Wells Probed by Full-Wafer Photoluminescence Mapping in the Mid-infrared Spectral Range. Nanoscale Research Letters, 2015, 10, 402.	5.7	7

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181	Interface Intermixing in Type II InAs/GaInAsSb Quantum Wells Designed for Active Regions of Mid-Infrared-Emitting Interband Cascade Lasers. Nanoscale Research Letters, 2015, 10, 471.	5.7	9
182	Adjusting the conductivity of GaInNAs solar cells from p- to n-type with the As/III ratio. , 2015, , .		0
183	Mode-resolved Fabry-Perot experiment in low-loss Bragg-reflection waveguides. Optics Express, 2015, 23, 33608.	3.4	13
184	Sub-kT Switching in Asymmetric Y-Transistors With Internal Feedback Coupling. IEEE Journal of the Electron Devices Society, 2015, 3, 158-163.	2.1	2
185	A polariton condensate in a photonic crystal potential landscape. New Journal of Physics, 2015, 17, 023001.	2.9	58
186	Impact of nanomechanical resonances on lasing from electrically pumped quantum dot micropillars. Applied Physics Letters, 2015, 106, .	3.3	11
187	Photocurrent readout and electro-optical tuning of resonantly excited exciton polaritons in a trap. Physical Review B, 2015, 91, .	3.2	4
188	Dynamically Controlled Resonance Fluorescence Spectra from a Doubly Dressed Single InGaAs Quantum Dot. Physical Review Letters, 2015, 114, 097402.	7.8	47
189	Quantumâ€dotâ€based integrated nonâ€linear sources. IET Optoelectronics, 2015, 9, 82-87.	3.3	0
190	Correlations between axial and lateral emission of coupled quantum dotâ€"micropillar cavities. Physical Review B, 2015, 91, .	3.2	13
191	Electronic tuneability of a structurally rigid surface intermetallic and Kondo lattice:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">CePt</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi>Pt</mml:mi><mml:mo> Physical Review B, 2015, 92, .	3.2	10
192	Single photon emission up to liquid nitrogen temperature from charged excitons confined in GaAs-based epitaxial nanostructures. Applied Physics Letters, 2015, 106, .	3.3	7
193	Unconventional collective normal-mode coupling in quantum-dot-based bimodal microlasers. Physical Review A, 2015, 91, .	2.5	13
194	Coupling polariton quantum boxes in sub-wavelength grating microcavities. Applied Physics Letters, 2015, 106, .	3.3	22
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