

Sven Hofling

List of Publications by Year in descending order

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675
papers

21,176
citations

14614

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18606

119
g-index

682
all docs

682
docs citations

682
times ranked

12915
citing authors

#	ARTICLE	IF	CITATIONS
1	Electro-optical Switching of a Topological Polariton Laser. ACS Photonics, 2022, 9, 405-412.	3.2	7
2	Electronic and Optical Properties of InAs QDs Grown by MBE on InGaAs Metamorphic Buffer. Materials, 2022, 15, 1071.	1.3	3
3	Special topic on non-classical light emitters and single-photon detectors. Applied Physics Letters, 2022, 120, 010401.	1.5	0
4	Circularly Polarized Laser Emission from an Electrically Pumped Chiral Microcavity. Physical Review Applied, 2022, 17, .	1.5	12
5	Optical charge injection and coherent control of a quantum-dot spin-qubit emitting at telecom wavelengths. Nature Communications, 2022, 13, 748.	5.8	19
6	Hybridized Exciton-Photon-Phonon States in a Transition Metal Dichalcogenide van der Waals Heterostructure Microcavity. Physical Review Letters, 2022, 128, 087401.	2.9	13
7	Resonant Tunneling Diodes: Mid-Infrared Sensing at Room Temperature. Nanomaterials, 2022, 12, 1024.	1.9	4
8	Numerical optimization of single-mode fiber-coupled single-photon sources based on semiconductor quantum dots. Optics Express, 2022, 30, 15913.	1.7	20
9	Exploring the phase diagram of InAs/GaSb/InAs trilayer quantum wells. Physical Review B, 2022, 105, .	1.1	1
10	Using the Autler-Townes and ac Stark effects to optically tune the frequency of indistinguishable single photons from an on-demand source. Physical Review Research, 2022, 4, .	1.3	2
11	All-Optical Tuning of Indistinguishable Single Photons Generated in Three-Level Quantum Systems. Nano Letters, 2022, 22, 3562-3568.	4.5	3
12	Brightening of a dark monolayer semiconductor via strong light-matter coupling in a cavity. Nature Communications, 2022, 13, .	5.8	8
13	Intrinsic circularly polarized exciton emission in a twisted van der Waals heterostructure. Physical Review B, 2022, 105, .	1.1	6
14	High Extraction Efficiency Source of Photon Pairs Based on a Quantum Dot Embedded in a Broadband Micropillar Cavity. Physical Review Letters, 2022, 129, .	2.9	13
15	Single-Photon Counting with Semiconductor Resonant Tunneling Devices. Nanomaterials, 2022, 12, 2358.	1.9	6
16	Mitigating Valence Intersubband Absorption in Interband Cascade Lasers. Laser and Photonics Reviews, 2022, 16, .	4.4	12
17	Interband Cascade Laser Arrays for Simultaneous and Selective Analysis of C1 to C5 Hydrocarbons in Petrochemical Industry. Applied Spectroscopy, 2021, 75, 336-342.	1.2	16
18	Excitons in Bilayer MoS_2 Displaying a Colossal Electric Field Splitting and Tunable Magnetic Response. Physical Review Letters, 2021, 126, 037401.	2.9	30

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19	Time-bin entangled photon pairs from quantum dots embedded in a self-aligned cavity. Optics Express, 2021, 29, 4174.	1.7	8
20	Propagative Oscillations in Codirectional Polariton Waveguide Couplers. Physical Review Letters, 2021, 126, 075302.	2.9	12
21	Understanding photoluminescence in semiconductor Bragg-reflection waveguides. Journal of Optics (United Kingdom), 2021, 23, 035801.	1.0	4
22	InP-Substrate-Based Quantum Dashes on a DBR as Single-Photon Emitters at the Third Telecommunication Window. Materials, 2021, 14, 759.	1.3	5
23	Bimodal behavior of microlasers investigated with a two-channel photon-number-resolving transition-edge sensor system. Physical Review Research, 2021, 3, .	1.3	11
24	Micro-mechanical assembly and characterization of high-quality Fabry-Pérot microcavities for the integration of two-dimensional materials. Applied Physics Letters, 2021, 118, .	1.5	18
25	A broad-band planar-microcavity quantum-dot single-photon source with a solid immersion lens. Applied Physics Letters, 2021, 118, .	1.5	4
26	Coherent Topological Polariton Laser. ACS Photonics, 2021, 8, 1377-1384.	3.2	28
27	Room temperature memristive switching in nano-patterned LaAlO ₃ /SrTiO ₃ wires with laterally defined gates. Applied Physics Letters, 2021, 118, .	1.5	5
28	Exciton-Exciton Interaction beyond the Hydrogenic Picture in a MoSe_2 Monolayer in the Strong Light-Matter Coupling Regime. Physical Review Letters, 2021, 126, 167401.	2.9	26
29	Heralded Nondestructive Quantum Entangling Gate with Single-Photon Sources. Physical Review Letters, 2021, 126, 140501.	2.9	20
30	Bosonic condensation of exciton-polaritons in an atomically thin crystal. Nature Materials, 2021, 20, 1233-1239.	13.3	56
31	Bloch Oscillations of Hybrid Light-Matter Particles in a Waveguide Array. Advanced Optical Materials, 2021, 9, 2100126.	3.6	2
32	Purcell-Enhanced Single Photon Source Based on a Deterministically Placed WSe_2 Monolayer Quantum Dot in a Circular Bragg Grating Cavity. Nano Letters, 2021, 21, 4715-4720.	4.5	36
33	Technological implementation of a photonic Bier-Glas cavity. Physical Review Materials, 2021, 5, .	0.9	3
34	Entanglement generation in semiconductor nanostructures. , 2021, , .		0
35	Hyperspectral study of the coupling between trions in WSe_2 monolayers to a circular Bragg grating cavity. Comptes Rendus Physique, 2021, 22, 97-105.	0.3	0
36	Optical Mapping of Nonequilibrium Charge Carriers. Journal of Physical Chemistry C, 2021, 125, 14741-14750.	1.5	7

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37	Room-Temperature Topological Polariton Laser in an Organic Lattice. <i>Nano Letters</i> , 2021, 21, 6398-6405.	4.5	28
38	Tunable exciton-polaritons emerging from WS ₂ monolayer excitons in a photonic lattice at room temperature. <i>Nature Communications</i> , 2021, 12, 4933.	5.8	20
39	Difference-frequency generation in an AlGaAs Bragg-reflection waveguide using an on-chip electrically-pumped quantum dot laser. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 085802.	1.0	3
40	III-V semiconductor mid-infrared interband cascade light emitters and detectors. , 2021, , .		2
41	Quantifying Quantum Coherence in Polariton Condensates. <i>PRX Quantum</i> , 2021, 2, .	3.5	9
42	Effects of the Linear Polarization of Polariton Condensates in Their Propagation in Codirectional Couplers. <i>ACS Photonics</i> , 2021, 8, 2489-2497.	3.2	2
43	Fiber-pigtailing quantum-dot cavity-enhanced light emitting diodes. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	7
44	Metamorphic Buffer Layer Platform for 1550 nm Single-Photon Sources Grown by MBE on (100) GaAs Substrate. <i>Materials</i> , 2021, 14, 5221.	1.3	8
45	Topological insulator vertical-cavity laser array. <i>Science</i> , 2021, 373, 1514-1517.	6.0	80
46	Polariton Laser in the Bardeen-Cooper-Schrieffer Regime. <i>Physical Review X</i> , 2021, 11, .	2.8	13
47	Determination of Carrier Density and Dynamics via Magneto-electroluminescence Spectroscopy in Resonant-Tunneling Diodes. <i>Physical Review Applied</i> , 2021, 15, .	1.5	4
48	Modification of emission rate in broadband deterministic micropillar cavities. , 2021, , .		0
49	Kagome Flatbands for Coherent Exciton-Polariton Lasing. <i>ACS Photonics</i> , 2021, 8, 3193-3200.	3.2	5
50	Spatial coherence of room-temperature monolayer WSe ₂ exciton-polaritons in a trap. <i>Nature Communications</i> , 2021, 12, 6406.	5.8	27
51	Enhanced Light-Matter Interaction in TMDC-Materials by Integration in Resonant Layer Architectures. , 2021, , .		0
52	Coherence and Interaction in Confined Room-Temperature Polariton Condensates with Frenkel Excitons. <i>ACS Photonics</i> , 2020, 7, 384-392.	3.2	42
53	Quantum Beat between Sunlight and Single Photons. <i>Nano Letters</i> , 2020, 20, 152-157.	4.5	5
54	Direct Generation of Radially Polarized Vector Vortex Beam with an Exciton-Polariton Laser. <i>Physical Review Applied</i> , 2020, 14, .	1.5	14

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55	Observation of Intensity Squeezing in Resonance Fluorescence from a Solid-State Device. <i>Physical Review Letters</i> , 2020, 125, 153601.	2.9	11
56	Observation of gain-pinned dissipative solitons in a microcavity laser. <i>APL Photonics</i> , 2020, 5, 086103.	3.0	6
57	Impact of the Energetic Landscape on Polariton Condensates' Propagation along a Coupler. <i>Advanced Optical Materials</i> , 2020, 8, 2000650.	3.6	6
58	Strain-Tunable Single-Photon Source Based on a Circular Bragg Grating Cavity with Embedded Quantum Dots. <i>ACS Photonics</i> , 2020, 7, 3474-3480.	3.2	26
59	Purcell-Enhanced and Indistinguishable Single-Photon Generation from Quantum Dots Coupled to On-Chip Integrated Ring Resonators. <i>Nano Letters</i> , 2020, 20, 6357-6363.	4.5	35
60	Exciton-polaritons in flatland: Controlling flatband properties in a Lieb lattice. <i>Physical Review B</i> , 2020, 102, .	1.1	16
61	Directional Coupler: Impact of the Energetic Landscape on Polariton Condensates' Propagation along a Coupler (<i>Advanced Optical Materials</i> 18/2020). <i>Advanced Optical Materials</i> , 2020, 8, 2070072.	3.6	4
62	Accurate photon echo timing by optical freezing of exciton dephasing and rephasing in quantum dots. <i>Communications Physics</i> , 2020, 3, .	2.0	10
63	Extending Quantum Links: Modules for Fiber- and Memory-Based Quantum Repeaters. <i>Advanced Quantum Technologies</i> , 2020, 3, 1900141.	1.8	43
64	Manipulation of room-temperature valley-coherent exciton-polaritons in atomically thin crystals by real and artificial magnetic fields. <i>2D Materials</i> , 2020, 7, 035025.	2.0	10
65	Spatio-temporal coherence in vertically emitting GaAs-based electrically driven polariton lasers. <i>Applied Physics Letters</i> , 2020, 116, 171103.	1.5	8
66	Resonant tunneling of electrons in AlSb/GaInAsSb double barrier quantum wells. <i>AIP Advances</i> , 2020, 10, 055024.	0.6	7
67	Optomechanical tuning of the polarization properties of micropillar cavity systems with embedded quantum dots. <i>Physical Review B</i> , 2020, 101, .	1.1	8
68	Four-wave mixing dynamics of a strongly coupled quantum-dot microcavity system driven by up to 20 photons. <i>Physical Review B</i> , 2020, 101, .	1.1	7
69	Multiphoton Graph States from a Solid-State Single-Photon Source. <i>ACS Photonics</i> , 2020, 7, 1603-1610.	3.2	16
70	Room temperature organic exciton polariton condensate in a lattice. <i>Nature Communications</i> , 2020, 11, 2863.	5.8	56
71	Formation dynamics of exciton-polariton vortices created by nonresonant annular pumping. <i>Physical Review B</i> , 2020, 101, .	1.1	15
72	Emergence of microfrequency comb via limit cycles in dissipatively coupled condensates. <i>Physical Review B</i> , 2020, 101, .	1.1	15

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73	Realization of all-optical vortex switching in exciton-polariton condensates. Nature Communications, 2020, 11, 897.	5.8	49
74	Continuous-wave operation of vertically emitting ring interband cascade lasers at room temperature. Applied Physics Letters, 2020, 116, .	1.5	17
75	Picosecond ultrasonics with miniaturized semiconductor lasers. Ultrasonics, 2020, 106, 106150.	2.1	6
76	Proof-of-principle demonstration of compiled Shor's algorithm using a quantum dot single-photon source. Optics Express, 2020, 28, 18917.	1.7	15
77	Demonstration of a polariton step potential by local variation of light-matter coupling in a van-der-Waals heterostructure. Optics Express, 2020, 28, 18649.	1.7	7
78	Acoustic phonon sideband dynamics during polaron formation in a single quantum dot. Optics Letters, 2020, 45, 919.	1.7	16
79	Quantum Interference between Light Sources Separated by 150 Million Kilometers. Physical Review Letters, 2019, 123, 080401.	2.9	57
80	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
81	Towards optimal single-photon sources from polarized microcavities. Nature Photonics, 2019, 13, 770-775.	15.6	290
82	Coherently driving a single quantum two-level system with dichromatic laser pulses. Nature Physics, 2019, 15, 941-946.	6.5	58
83	Quantum frequency conversion of a quantum dot single-photon source on a nanophotonic chip. Optica, 2019, 6, 563.	4.8	55
84	Optical valley Hall effect for highly valley-coherent exciton-polaritons in an atomically thin semiconductor. Nature Nanotechnology, 2019, 14, 770-775.	15.6	87
85	Evanescently Coupled DBR Laser Arrays in the 760-770 nm Wavelength Range. IEEE Photonics Technology Letters, 2019, 31, 1319-1322.	1.3	6
86	Strain-Tunable Single-Photon Source Based on a Quantum Dot-Micropillar System. ACS Photonics, 2019, 6, 2025-2031.	3.2	20
87	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
88	Ring Interband Cascade Lasers for Environmental Monitoring. , 2019, , .		0
89	Strain-Tunable Single Photon Sources in WSe ₂ Monolayers. Nano Letters, 2019, 19, 6931-6936.	4.5	71
90	Magnetic-field-induced splitting and polarization of monolayer-based valley exciton polaritons. Physical Review B, 2019, 100, .	1.1	12

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91	Defect-induced magnetism in II-VI quantum dots. <i>Physical Review B</i> , 2019, 99, .	1.1	5
92	Jitter of condensation time and dynamics of spontaneous symmetry breaking in a gas of microcavity polaritons. <i>Physical Review B</i> , 2019, 99, .	1.1	2
93	Quantum-dot micropillar lasers subject to coherent time-delayed optical feedback from a short external cavity. <i>Scientific Reports</i> , 2019, 9, 631.	1.6	6
94	Two-kind boson mixture honeycomb Hamiltonian of Bloch exciton-polaritons. <i>Physical Review B</i> , 2019, 99, .	1.1	4
95	Optimizing the spectro-temporal properties of photon pairs from Bragg-reflection waveguides. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 054001.	1.0	4
96	Near-Unity Indistinguishability Single Photon Source for Large-Scale Integrated Quantum Optics. <i>Physical Review Letters</i> , 2019, 122, 173602.	2.9	42
97	On-Demand Semiconductor Source of Entangled Photons Which Simultaneously Has High Fidelity, Efficiency, and Indistinguishability. <i>Physical Review Letters</i> , 2019, 122, 113602.	2.9	219
98	Nonresonant spin selection methods and polarization control in exciton-polariton condensates. <i>Physical Review B</i> , 2019, 99, .	1.1	19
99	Counter-directional polariton coupler. <i>Applied Physics Letters</i> , 2019, 114, 061102.	1.5	7
100	Wigner Time Delay Induced by a Single Quantum Dot. <i>Physical Review Letters</i> , 2019, 122, 107401.	2.9	8
101	Mutual coupling and synchronization of optically coupled quantum-dot micropillar lasers at ultra-low light levels. <i>Nature Communications</i> , 2019, 10, 1539.	5.8	25
102	High resolution quantitative multi-species hydrocarbon gas sensing with a cw external cavity quantum cascade laser based spectrometer in the 6â€“11â€“m range. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	6
103	Towards polariton blockade of confined excitonâ€“polaritons. <i>Nature Materials</i> , 2019, 18, 219-222.	13.3	146
104	Boson Sampling with 20 Input Photons and a 60-Mode Interferometer in a 2^{14} -Dimensional Hilbert Space. <i>Physical Review Letters</i> , 2019, 123, 250503.	2.9	313
105	Ultrafast Manipulation of a Strongly Coupled Lightâ€“Matter System by a Giant ac Stark Effect. <i>ACS Photonics</i> , 2019, 6, 3076-3081.	3.2	6
106	Polarization-dependent light-matter coupling and highly indistinguishable resonant fluorescence photons from quantum dot-micropillar cavities with elliptical cross section. <i>Physical Review B</i> , 2019, 100, .	1.1	15
107	Excited states of neutral and charged excitons in single strongly asymmetric InP-based nanostructures emitting in the telecom C band. <i>Physical Review B</i> , 2019, 100, .	1.1	9
108	Efficient Quantum Photonic Phase Shift in a Low Q-Factor Regime. <i>ACS Photonics</i> , 2019, 6, 429-435.	3.2	14

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109	Monolithic High-Contrast Grating Based Polariton Laser. ACS Photonics, 2019, 6, 18-22.	3.2	18
110	Tracking Dark Excitons with Exciton Polaritons in Semiconductor Microcavities. Physical Review Letters, 2019, 122, 047403.	2.9	13
111	Stochastic polarization switching induced by optical injection in bimodal quantum-dot micropillar lasers. Optics Express, 2019, 27, 28816.	1.7	11
112	Resolving the temporal evolution of line broadening in single quantum emitters. Optics Express, 2019, 27, 35290.	1.7	23
113	Integration of atomically thin layers of transition metal dichalcogenides into high-Q, monolithic Bragg-cavities: an experimental platform for the enhancement of the optical interaction in 2D-materials. Optical Materials Express, 2019, 9, 598.	1.6	29
114	Monolithic frequency comb platform based on interband cascade lasers and detectors. Optica, 2019, 6, 890.	4.8	61
115	Picosecond pulses from a mid-infrared interband cascade laser. Optica, 2019, 6, 1334.	4.8	28
116	Semiconducting 2D-Materials: nano-sandbox for fundamental physics and new platform for optical coatings, light emission and quantum light sources. , 2019, , .		0
117	Quantum dot spins in micropillar cavities. , 2019, , .		0
118	DFB Interband Cascade Laser Array for mid infrared spectroscopy. , 2019, , .		0
119	Quantum dots in micropillar cavities for scalable photonic applications. , 2019, , .		0
120	Towards integrated quantum photonic circuits on GaAs. , 2019, , .		1
121	Resonant tunneling diode photon number resolving single-photon detectors. , 2019, , .		4
122	High efficiency mid-infrared interband cascade LEDs grown on low absorbing substrates emitting >5ÅmW of output power. Optical Engineering, 2019, 58, 1.	0.5	14
123	Mid-infrared GaSb-based resonant tunneling diode photodetectors for gas sensing applications. Applied Physics Letters, 2018, 112, 161107.	1.5	24
124	Localization-Delocalization Transition in Disordered One-Dimensional Exciton-Polariton System. Semiconductors, 2018, 52, 458-461.	0.2	0
125	Photonic engineering of highly linearly polarized quantum dot emission at telecommunication wavelengths. Physical Review B, 2018, 97, .	1.1	12
126	Spontaneous Emission Enhancement in Strain-Induced WSe ₂ Monolayer-Based Quantum Light Sources on Metallic Surfaces. ACS Photonics, 2018, 5, 1919-1926.	3.2	78

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127	Photon Echo from an Ensemble of (In,Ga)As Quantum Dots. <i>Semiconductors</i> , 2018, 52, 531-534.	0.2	1
128	The interplay between excitons and trions in a monolayer of MoSe ₂ . <i>Applied Physics Letters</i> , 2018, 112, .	1.5	35
129	Evolution of Temporal Coherence in Confined Exciton-Polariton Condensates. <i>Physical Review Letters</i> , 2018, 120, 017401.	2.9	25
130	Semi-automatic engineering and tailoring of high-efficiency Bragg-reflection waveguide samples for quantum photonic applications. <i>Quantum Science and Technology</i> , 2018, 3, 024002.	2.6	10
131	Enhanced Fluorescence Resonance Energy Transfer in G-Protein-Coupled Receptor Probes on Nanocoated Microscopy Coverslips. <i>ACS Photonics</i> , 2018, 5, 2225-2233.	3.2	7
132	Tunable Light-Matter Hybridization in Open Organic Microcavities. <i>ACS Photonics</i> , 2018, 5, 90-94.	3.2	19
133	Signatures of a dissipative phase transition in photon correlation measurements. <i>Nature Physics</i> , 2018, 14, 365-369.	6.5	120
134	Controlled Ordering of Topological Charges in an Exciton-Polariton Chain. <i>Physical Review Letters</i> , 2018, 121, 225302.	2.9	28
135	Controlling the gain contribution of background emitters in few-quantum-dot microlasers. <i>New Journal of Physics</i> , 2018, 20, 023036.	1.2	3
136	Double-waveguide interband cascade laser with dual-wavelength emission. <i>Applied Physics Letters</i> , 2018, 113, 251105.	1.5	0
137	Platform for Electrically Pumped Polariton Simulators and Topological Lasers. <i>Physical Review Letters</i> , 2018, 121, 257402.	2.9	31
138	Sharpening emitter localization in front of a tuned mirror. <i>Light: Science and Applications</i> , 2018, 7, 99.	7.7	10
139	Studies of photon echo from exciton ensemble in (In,Ga)As quantum dots. <i>Journal of Physics: Conference Series</i> , 2018, 951, 012029.	0.3	1
140	Exciton-polariton topological insulator. <i>Nature</i> , 2018, 562, 552-556.	13.7	365
141	Deterministic coupling of quantum emitters in WSe ₂ monolayers to plasmonic nanocavities. <i>Optics Express</i> , 2018, 26, 25944.	1.7	33
142	Transient Oscillatory Behaviors of Polariton Condensates. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 094401.	0.7	3
143	p-Type Doped AlAsSb/GaSb Resonant Tunneling Diode Photodetector for the Mid-Infrared Spectral Region. <i>Advanced Optical Materials</i> , 2018, 6, 1800972.	3.6	9
144	Tailoring the mode-switching dynamics in quantum-dot micropillar lasers via time-delayed optical feedback. <i>Optics Express</i> , 2018, 26, 22457.	1.7	17

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145	Intrinsic and environmental effects on the interference properties of a high-performance quantum dot single-photon source. <i>Physical Review B</i> , 2018, 97, .	1.1	19
146	Exploring the Photon-Number Distribution of Bimodal Microlasers with a Transition Edge Sensor. <i>Physical Review Applied</i> , 2018, 9, . Electroluminescence on-off ratio control of \hat{n}	1.5	31
147	Electroluminescence on-off ratio control of \hat{n} GaAs/AlGaAs-based resonant tunneling structures. <i>Physical Review B</i> , 2018, 98,	1.1	6
148	Strongly temperature-dependent recombination kinetics of a negatively charged exciton in asymmetric quantum dots at 1.55 μm . <i>Applied Physics Letters</i> , 2018, 113, 043103.	1.5	6
149	Photon-Number-Resolved Measurement of an Exciton-Polariton Condensate. <i>Physical Review Letters</i> , 2018, 121, 047401.	2.9	28
150	Quantum-optical spectroscopy of a two-level system using an electrically driven micropillar laser as a resonant excitation source. <i>Light: Science and Applications</i> , 2018, 7, 41.	7.7	26
151	Optical tuning of the charge carrier type in the topological regime of InAs/GaSb quantum wells. <i>Physical Review B</i> , 2018, 98, .	1.1	7
152	Two-dimensional semiconductors in the regime of strong light-matter coupling. <i>Nature Communications</i> , 2018, 9, 2695.	5.8	256
153	Resonance fluorescence from an atomic-quantum-memory compatible single photon source based on GaAs droplet quantum dots. <i>Applied Physics Letters</i> , 2018, 113, 021102.	1.5	2
154	Observation of bosonic condensation in a hybrid monolayer MoSe ₂ -GaAs microcavity. <i>Nature Communications</i> , 2018, 9, 3286.	5.8	49
155	Invited Article: Time-bin entangled photon pairs from Bragg-reflection waveguides. <i>APL Photonics</i> , 2018, 3, 080804.	3.0	14
156	Boosting the Localization Precision in Super-Resolution Microscopy: booSTORM. <i>Biophysical Journal</i> , 2018, 114, 530a.	0.2	0
157	Oscillations of the Degree of Circular Polarization in the Optical Spin Hall Effect. <i>Physics of the Solid State</i> , 2018, 60, 1606-1610.	0.2	0
158	Toward Scalable Boson Sampling with Photon Loss. <i>Physical Review Letters</i> , 2018, 120, 230502.	2.9	97
159	High quality factor GaAs microcavity with buried bullseye defects. <i>Physical Review Materials</i> , 2018, 2, .	0.9	2
160	Mid-infrared detectors based on resonant tunneling diodes and interband cascade structures. , 2018, , .		1
161	Determining the linewidth enhancement factor via optical feedback in quantum dot micropillar lasers. <i>Optics Express</i> , 2018, 26, 31363.	1.7	4
162	Rabi oscillations of a quantum dot exciton coupled to acoustic phonons: coherence and population readout. <i>Optica</i> , 2018, 5, 1442.	4.8	19

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163	Resonant tunneling diode photodetectors for mid-infrared gas-sensing based on GaSb substrate. , 2018, , .		0
164	Polariton-lasing in microcavities filled with fluorescent proteins. , 2018, , .		2
165	Room temperature operation of GaSb-based resonant tunneling diodes by prewell injection. Applied Physics Letters, 2017, 110, .	1.5	12
166	Exciton dynamics in solid-state green fluorescent protein. Applied Physics Letters, 2017, 110, .	1.5	5
167	Optimizing the active region of interband cascade lasers for passive mode-locking. AIP Advances, 2017, 7, .	0.6	7
168	Molding Photonic Boxes into Fluorescent Emitters by Direct Laser Writing. Advanced Materials, 2017, 29, 1605236.	11.1	9
169	Photon echoes from (In,Ga)As quantum dots embedded in a Tamm-plasmon microcavity. Physical Review B, 2017, 95, .	1.1	23
170	Carrier delocalization in InAs/InGaAlAs/InP quantum-dash-based tunnel injection system for 1.55 Åµm emission. AIP Advances, 2017, 7, 015117.	0.6	10
171	Gate-tunable, normally-on to normally-off memristance transition in patterned LaAlO ₃ /SrTiO ₃ interfaces. Applied Physics Letters, 2017, 110, .	1.5	7
172	Influence of optical material properties on strong coupling in organic semiconductor based microcavities. Applied Physics Letters, 2017, 110, .	1.5	22
173	Optical probing of the Coulomb interactions of an electrically pumped polariton condensate. Applied Physics Letters, 2017, 110, 151103.	1.5	4
174	Valley polarized relaxation and upconversion luminescence from Tamm-plasmon trionâ€™ polaritons with a MoSe ₂ monolayer. 2D Materials, 2017, 4, 025096.	2.0	36
175	High-efficiency multiphoton boson sampling. Nature Photonics, 2017, 11, 361-365.	15.6	330
176	Laterally coupled DFB interband cascade laser with tapered ridge. Electronics Letters, 2017, 53, 743-744.	0.5	0
177	Three-dimensional photonic confinement in imprinted liquid crystalline pillar microcavities. Applied Physics Letters, 2017, 110, .	1.5	6
178	Associative learning with Y-shaped floating gate transistors operated in memristive modes. Applied Physics Letters, 2017, 110, .	1.5	7
179	Electrically Tunable Single-Photon Source Triggered by a Monolithically Integrated Quantum Dot Microlaser. ACS Photonics, 2017, 4, 790-794.	3.2	31
180	Picosecond Control of Quantum Dot Laser Emission by Coherent Phonons. Physical Review Letters, 2017, 118, 133901.	2.9	23

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