Yoshihisa Yamamoto

List of Publications by Year
in descending order

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231 papers	23,651 citations	9264 74 h-index	7518 151 g-index
234 all docs	234 docs citations	234 times ranked	12578 citing authors

#	Article	IF	Citations
1	Indistinguishable photons from a single-photon device. Nature, 2002, 419, 594-597.	27.8	1,347
2	Exciton-polariton Bose-Einstein condensation. Reviews of Modern Physics, 2010, 82, 1489-1537.	45.6	1,068
3	Regulated and Entangled Photons from a Single Quantum Dot. Physical Review Letters, 2000, 84, 2513-2516.	7.8	884
4	Triggered Single Photons from a Quantum Dot. Physical Review Letters, 2001, 86, 1502-1505.	7.8	861
5	Controlling the Spontaneous Emission Rate of Single Quantum Dots in a Two-Dimensional Photonic Crystal. Physical Review Letters, 2005, 95, 013904.	7.8	805
6	Complete quantum control of a single quantum dot spin using ultrafast optical pulses. Nature, 2008, 456, 218-221.	27.8	770
7	Condensation of Semiconductor Microcavity Exciton Polaritons. Science, 2002, 298, 199-202.	12.6	732
8	In-Plane Resistivity Anisotropy in an Underdoped Iron Arsenide Superconductor. Science, 2010, 329, 824-826.	12.6	690
9	Quantum key distribution over a 40-dB channel loss using superconducting single-photon detectors. Nature Photonics, 2007, 1, 343-348.	31.4	640
10	Efficient Source of Single Photons: A Single Quantum Dot in a Micropost Microcavity. Physical Review Letters, 2002, 89, 233602.	7.8	575
11	Excitonâ€“polariton condensates. Nature Physics, 2014, 10, 803-813.	16.7	518
12	A fully programmable 100-spin coherent Ising machine with all-to-all connections. Science, 2016, 354, 614-617.	12.6	427
13	Quantum-dot spinâ€“photon entanglement via frequency downconversion to telecom wavelength. Nature, 2012, 491, 421-425.	27.8	423
14	An electrically pumped polariton laser. Nature, 2013, 497, 348-352.	27.8	420
15	A gallium nitride single-photon source operating at 200â€‰K. Nature Materials, 2006, 5, 887-892.	27.5	388
16	Differential Phase Shift Quantum Key Distribution. Physical Review Letters, 2002, 89, 037902.	7.8	371
17	Polariton lasing vs. photon lasing in a semiconductor microcavity. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15318-15323.	7.1	362
18	Modification of spontaneous emission rate in planar dielectric microcavity structures. Physical Review A, 1991, 44, 669-681.	2.5	344

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19	Network of time-multiplexed optical parametric oscillators as a coherent Ising machine. Nature Photonics, 2014, 8, 937-942.	31.4	339
20	Simple quantum computer. Physical Review A, 1995, 52, 3489-3496.	2.5	326
21	Hanbury Brown and Twiss-Type Experiment with Electrons. Science, 1999, 284, 299-301.	12.6	313
22	Photon Antibunching from a Single Quantum-Dot-Microcavity System in the Strong Coupling Regime. Physical Review Letters, 2007, 98, 117402.	7.8	309
23	Highly efficient single-photon detection at communication wavelengths by use of upconversion in reverse-proton-exchanged periodically poled LiNbO_3 waveguides. Optics Letters, 2005, 30, 1725.	3.3	299
24	Ultrafast optical spin echo in a single quantum dot. Nature Photonics, 2010, 4, 367-370.	31.4	298
25	Quantum cryptography with a photon turnstile. Nature, 2002, 420, 762-762.	27.8	272
26	Practical quantum key distribution protocol without monitoring signal disturbance. Nature, 2014, 509, 475-478.	27.8	262
27	Multiphoton detection using visible light photon counter. Applied Physics Letters, 1999, 74, 902-904.	3.3	258
28	Coherent Ising machine based on degenerate optical parametric oscillators. Physical Review A, 2013, 88, .	2.5	226
29	Photonic de Broglie Waves. Physical Review Letters, 1995, 74, 4835-4838.	7.8	224
30	Development of a high-quantum-efficiency single-photon counting system. Applied Physics Letters, 1999, 74, 1063-1065.	3.3	219
31	Polarization-correlated photon pairs from a single quantum dot. Physical Review B, 2002, 66, .	3.2	212
32	Security of quantum key distribution with entangled photons against individual attacks. Physical Review A, 2002, 65, .	2.5	205
33	Ultrafast coherent control and suppressed nuclear feedback of a single quantum dot hole qubit. Nature Physics, 2011, 7, 872-878.	16.7	205
34	Single vortexâ€“antivortex pair in an exciton-polariton condensate. Nature Physics, 2011, 7, 129-133.	16.7	192
35	Definition of a laser threshold. Physical Review A, 1994, 50, 1675-1680.	2.5	185
36	Layered Architecture for Quantum Computing. Physical Review X, 2012, 2, .	8.9	182

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37	Large-scale Ising spin network based on degenerate optical parametric oscillators. Nature Photonics, 2016, 10, 415-419.	31.4	174
38	Experimental investigation of performance differences between coherent Ising machines and a quantum annealer. Science Advances, 2019, 5, eaau0823.	10.3	169
39	Quantum Degenerate Exciton-Polaritons in Thermal Equilibrium. Physical Review Letters, 2006, 97, 146402.	7.8	156
40	Photonic crystal microcavities for cavity quantum electrodynamics with a single quantum dot. Applied Physics Letters, 2003, 82, 2374-2376.	3.3	151
41	Spontaneous-emission coupling factor and mode characteristics of planar dielectric microcavity lasers. Physical Review A, 1993, 47, 4451-4463.	2.5	148
42	Mapping of Ising models onto injection-locked laser systems. Optics Express, 2011, 19, 18091.	3.4	145
43	Generation and transfer of single photons on a photonic crystal chip. Optics Express, 2007, 15, 5550.	3.4	144
44	Spatial Coherence of a Polariton Condensate. Physical Review Letters, 2007, 99, 126403.	7.8	141
45	Bosonic quantum codes for amplitude damping. Physical Review A, 1997, 56, 1114-1125.	2.5	139
46	Enhanced single-photon emission from a quantum dot in a micropost microcavity. Applied Physics Letters, 2003, 82, 3596-3598.	3.3	136
47	Dynamical d-wave condensation of excitonâ€“polaritons in a two-dimensional square-lattice potential. Nature Physics, 2011, 7, 681-686.	16.7	134
48	Approximate quantum error correction can lead to better codes. Physical Review A, 1997, 56, 2567-2573.	2.5	133
49	Entanglement Formation and Violation of Bellâ€™s Inequality with a Semiconductor Single Photon Source. Physical Review Letters, 2004, 92, 037903.	7.8	125
50	Coherent Ising machinesâ€”optical neural networks operating at the quantum limit. Npj Quantum Information, 2017, 3, .	6.7	120
51	Quantum-nondemolition measurement of the photon number of an optical soliton. Physical Review Letters, 1992, 69, 3165-3168.	7.8	117
52	Direct Observation of Nonclassical Photon Statistics in Parametric Down-Conversion. Physical Review Letters, 2004, 92, 113602.	7.8	117
53	Ultrabroadband amplitude squeezing in a semiconductor laser. Physical Review Letters, 1988, 60, 792-794.	7.8	116
54	Power-law decay of the spatial correlation function in exciton-polariton condensates. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6467-6472.	7.1	112

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55	Single-photon generation with InAs quantum dots. New Journal of Physics, 2004, 6, 89-89.	2.9	107
56	Submicrosecond correlations in photoluminescence from InAs quantum dots. Physical Review B, 2004, 69, .	3.2	106
57	Microcavity exciton-polariton splitting in the linear regime. Physical Review B, 1995, 51, 14437-14447.	3.2	100
58	Ultralow threshold laser using a single quantum dot and a microsphere cavity. Physical Review A, 1999, 59, 2418-2421.	2.5	100
59	Security of differential-phase-shift quantum key distribution against individual attacks. Physical Review A, 2006, 73, .	2.5	97
60	Excitonâ€“polariton condensates with flat bands in a two-dimensional kagome lattice. New Journal of Physics, 2012, 14, 065002.	2.9	97
61	Possible origin of the nonmonotonic doping dependence of the in-plane resistivity anisotropy of Ba(Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 512 Td (displa= xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<. Physical Review B, 2011, 84, .	3.2	95
62	Quantum Bit Regeneration. Physical Review Letters, 1996, 76, 4281-4284.	7.8	94
63	100 km differential phase shift quantum key distribution experiment with low jitter up-conversion detectors. Optics Express, 2006, 14, 13073.	3.4	90
64	Time-resolved spectroscopy of multiexcitonic decay in an InAs quantum dot. Physical Review B, 2002, 65, .	3.2	89
65	Tomonaga-Luttinger Liquid Features in Ballistic Single-Walled Carbon Nanotubes: Conductance and Shot Noise. Physical Review Letters, 2007, 99, 036802.	7.8	89
66	Indistinguishable Photons from Independent Semiconductor Nanostructures. Physical Review Letters, 2009, 103, 053601.	7.8	89
67	Quantum Computers Based on Electron Spins Controlled by Ultrafast Off-Resonant Single Optical Pulses. Physical Review Letters, 2007, 99, 040501.	7.8	88
68	Generation of photon number states. New Journal of Physics, 2006, 8, 4-4.	2.9	84
69	On the linewidth of microcavity lasers. Applied Physics Letters, 1992, 60, 304-306.	3.3	83
70	Observation of exciton-polariton oscillating emission in a single-quantum-well semiconductor microcavity. Physical Review A, 1995, 51, 2542-2544.	2.5	83
71	Coherent Population Trapping of Electron Spins in a High-Purityn-Type GaAs Semiconductor. Physical Review Letters, 2005, 95, 187405.	7.8	82
72	Stimulated emission of a microcavity dressed exciton and suppression of phonon scattering. Physical Review B, 1995, 51, 7090-7100.	3.2	80

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73	Quantum correlation between longitudinal-mode intensities in a multimode squeezed semiconductor laser. Physical Review A, 1992, 46, 2757-2765.	2.5	77
74	DISTRIBUTED QUANTUM COMPUTATION ARCHITECTURE USING SEMICONDUCTOR NANOPHOTONICS. International Journal of Quantum Information, 2010, 08, 295-323.	1.1	77
75	Optimization of three-dimensional micropost microcavities for cavity quantum electrodynamics. Physical Review A, 2002, 66, .	2.5	72
76	In-plane electronic anisotropy in underdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Ba</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow> Physical Review B, 2010, 81, .	3.2	72
77	Security aspects of quantum key distribution with sub-Poisson light. Physical Review A, 2002, 66, .	2.5	71
78	Photon correlation studies of single GaN quantum dots. Applied Physics Letters, 2005, 87, 051916.	3.3	71
79	Physics and applications of excitonâ€“polariton lasers. Nature Materials, 2016, 15, 1049-1052.	27.5	70
80	Gain-Induced Trapping of Microcavity Exciton Polariton Condensates. Physical Review Letters, 2010, 104, 126403.	7.8	66
81	Master-equation model of a single-quantum-dot microsphere laser. Physical Review A, 1999, 59, 4756-4763.	2.5	65
82	BCS Wave-Function Approach to the BEC-BCS Crossover of Exciton-Polariton Condensates. Physical Review Letters, 2010, 105, 186402.	7.8	63
83	A 16-bit Coherent Ising Machine for One-Dimensional Ring and Cubic Graph Problems. Scientific Reports, 2016, 6, 34089.	3.3	60
84	Wannier exciton superradiance in a quantum-well microcavity. Physical Review B, 1994, 50, 17336-17348.	3.2	59
85	Ultrafast optical control of individual quantum dot spin qubits. Reports on Progress in Physics, 2013, 76, 092501.	20.1	59
86	Observation of amplitude squeezing from semiconductor lasers by balanced direct detectors with a delay line. Optics Letters, 1989, 14, 1045.	3.3	58
87	Downconversion quantum interface for a single quantum dot spin and 1550-nm single-photon channel. Optics Express, 2012, 20, 27510.	3.4	57
88	Destabilization of Local Minima in Analog Spin Systems by Correction of Amplitude Heterogeneity. Physical Review Letters, 2019, 122, 040607.	7.8	57
89	Ultrafast Optical Spin Echo for Electron Spins in Semiconductors. Physical Review Letters, 2009, 102, 247601.	7.8	54
90	Second Thresholds in BEC-BCS-Laser Crossover of Exciton-Polariton Systems. Physical Review Letters, 2013, 111, 026404.	7.8	54

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91	Algebraic order and the Berezinskii-Kosterlitz-Thouless transition in an exciton-polariton gas. Physical Review B, 2014, 90, .	3.2	53
92	Pulsed Nuclear Pumping and Spin Diffusion in a Single Charged Quantum Dot. Physical Review Letters, 2010, 105, 107401.	7.8	51
93	Photon Number Squeezed States in Semiconductor Lasers. Science, 1992, 255, 1219-1224.	12.6	50
94	Unconditional Security of Single-Photon Differential Phase Shift Quantum Key Distribution. Physical Review Letters, 2009, 103, 170503.	7.8	47
95	Ultrafast control of donor-bound electron spins with single detuned optical pulses. Nature Physics, 2008, 4, 780-784.	16.7	46
96	Amplitude-squeezed, frequency-modulated, tunable, diode-laser-based source for sub-shot-noise FM spectroscopy. Optics Letters, 1997, 22, 478.	3.3	44
97	Quantum correlation in degenerate optical parametric oscillators with mutual injections. Physical Review A, 2015, 92, .	2.5	41
98	Negative Bogoliubov dispersion in exciton-polariton condensates. Physical Review B, 2012, 85, .	3.2	40
99	Combinatorial optimization using dynamical phase transitions in driven-dissipative systems. Physical Review E, 2017, 95, 022118.	2.1	40
100	Half-matter, half-light amplifier. Nature, 2000, 405, 629-630.	27.8	39
101	Performance of various quantum-key-distribution systems using1.55â€Ì¼mup-conversion single-photon detectors. Physical Review A, 2005, 72, .	2.5	39
102	Noise-free avalanche multiplication in Si solid state photomultipliers. Applied Physics Letters, 1997, 70, 2852-2854.	3.3	38
103	Higher order coherence of exciton-polariton condensates. Physical Review B, 2010, 81, .	3.2	38
104	15 Î¼m photon-counting optical time-domain reflectometry with a single-photon detector based on upconversion in a periodically poled lithium niobate waveguide. Optics Letters, 2006, 31, 727.	3.3	37
105	Mott transitions of exciton polaritons and indirect excitons in a periodic potential. Physical Review B, 2010, 81, .	3.2	35
106	Excitonic superradiance to exciton-polariton crossover and the pole approximations. Physical Review B, 1995, 52, 17310-17320.	3.2	34
107	Room Temperature Current Injection Polariton Light Emitting Diode with a Hybrid Microcavity. Nano Letters, 2011, 11, 2791-2795.	9.1	34
108	Transient time of an Ising machine based on injection-locked laser network. New Journal of Physics, 2012, 14, 013052.	2.9	34

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109	Effective interaction and condensation of dipolaritons in coupled quantum wells. Physical Review B, 2014, 90, .	3.2	34
110	Performance evaluation of coherent Ising machines against classical neural networks. Quantum Science and Technology, 2017, 2, 044002.	5.8	34
111	Generation and manipulation of nonclassical light using photonic crystals. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 466-470.	2.7	33
112	Quantum model for coherent Ising machines: Discrete-time measurement feedback formulation. Physical Review A, 2017, 96, .	2.5	33
113	Quantum information science and technology in Japan. Quantum Science and Technology, 2019, 4, 020502.	5.8	33
114	Computational Principle and Performance Evaluation of Coherent Ising Machine Based on Degenerate Optical Parametric Oscillator Network. Entropy, 2016, 18, 151.	2.2	32
115	Monolithic integration of quantum dot containing microdisk microcavities coupled to air-suspended waveguides. Applied Physics Letters, 2009, 94, .	3.3	32
116	Complete tomography of a high-fidelity solid-state entangled spinâ€“photon qubit pair. Nature Communications, 2013, 4, 2228.	12.8	31
117	Two-photon interference at telecom wavelengths for time-bin-encoded single photons from quantum-dot spin qubits. Nature Communications, 2015, 6, 8955.	12.8	31
118	Boltzmann Sampling by Degenerate Optical Parametric Oscillator Network for Structure-Based Virtual Screening. Entropy, 2016, 18, 365.	2.2	31
119	Topological defect formation in 1D and 2D spin chains realized by network of optical parametric oscillators. International Journal of Modern Physics B, 2016, 30, 1630014.	2.0	31
120	A Coherent Ising Machine for MAX-CUT Problems: Performance Evaluation against Semidefinite Programming and Simulated Annealing. Lecture Notes in Physics, 2016, , 251-262.	0.7	31
121	Stochastic formation of polariton condensates in two degenerate orbital states. Physical Review B, 2013, 87, .	3.2	30
122	Reduced models and design principles for half-harmonic generation in synchronously pumped optical parametric oscillators. Physical Review A, 2016, 94, .	2.5	30
123	Truncated Wigner theory of coherent Ising machines based on degenerate optical parametric oscillator network. Physica Scripta, 2016, 91, 083010.	2.5	30
124	Boltzmann sampling for an XY model using a non-degenerate optical parametric oscillator network. Quantum Science and Technology, 2018, 3, 014004.	5.8	30
125	Quantum noise properties of an injection-locked laser oscillator with pump-noise suppression and squeezed injection. Physical Review A, 1990, 41, 5053-5065.	2.5	29
126	Optical detection of the spin state of a single nucleus in silicon. Physical Review B, 2004, 69, .	3.2	28

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127	Macroscopic Coulomb-blockade effect in a constant-current-driven light-emitting diode. Physical Review B, 1995, 52, 2008-2012.	3.2	27
128	High-energy side-peak emission of exciton-polariton condensates in high density regime. Scientific Reports, 2016, 6, 25655.	3.3	27
129	GaAs microcavity excitonâ€polaritons in a trap. Physica Status Solidi (B): Basic Research, 2008, 245, 1076-1080.	1.5	26
130	Waveguide-based single-pixel up-conversion infrared spectrometer. Optics Express, 2008, 16, 19557.	3.4	26
131	Photoluminescence of a microcavity quantum dot system in the quantum strong-coupling regime. Scientific Reports, 2013, 3, 1180.	3.3	26
132	Coherent Ising machinesâ€"Quantum optics and neural network Perspectives. Applied Physics Letters, 2020, 117, .	3.3	26
133	Single photons for quantum information systems. Progress in Informatics, 2005, , 5.	0.2	26
134	Signature of the microcavity excitonâ€"polariton relaxation mechanism in the polarization of emitted light. Physical Review B, 2009, 79, .	3.2	24
135	Optical Pumping of a Single Electron Spin Bound to a Fluorine Donor in a ZnSe Nanostructure. Nano Letters, 2013, 13, 116-120.	9.1	24
136	Lasers without Inversion in Microcavities. Japanese Journal of Applied Physics, 1991, 30, L2039-L2041.	1.5	23
137	Excitonâ€"polariton lasing in a microcavity. Semiconductor Science and Technology, 2003, 18, S386-S394.	2.0	23
138	Quantum model for coherent Ising machines: Stochastic differential equations with replicator dynamics. Physical Review A, 2017, 96, .	2.5	22
139	Effect of electrical partition noise on squeezing in semiconductor lasers. Physical Review A, 1992, 45, 6596-6604.	2.5	21
140	Theory of noise in p-n junction light emitters. Physical Review B, 1997, 55, 9949-9959.	3.2	21
141	Entangling Single Photons from Independently Tuned Semiconductor Nanoemitters. Nano Letters, 2012, 12, 4611-4616.	9.1	21
142	Coherent Ising Machines with Error Correction Feedback. Advanced Quantum Technologies, 2020, 3, 2000045.	3.9	20
143	Sub-shot-noise frequency-modulation spectroscopy by use of amplitude-squeezed light from semiconductor lasers. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 275.	2.1	19
144	Crossover from polariton lasing to exciton lasing in a strongly coupled ZnO microcavity. Scientific Reports, 2016, 6, 20581.	3.3	19

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145	Driven to perfection. Nature Physics, 2009, 5, 173-174.	16.7	18
146	Massive parallel generation of indistinguishable single photons via the polaritonic superfluid to Mott-insulator quantum phase transition. New Journal of Physics, 2010, 12, 123001.	2.9	18
147	Temperature Dependence of Highly Excited Exciton Polaritons in Semiconductor Microcavities. Journal of the Physical Society of Japan, 2013, 82, 084709.	1.6	18
148	Highly excited exciton-polariton condensates. Physical Review B, 2017, 95, .	3.2	18
149	Entanglement in 2DEG systems: towards a detection loophole-free test of Bell's inequality. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 301-305.	2.7	17
150	Fabrication of InAs quantum dots in AlAsâˆ•GaAs DBR pillar microcavities for single photon sources. Journal of Applied Physics, 2005, 97, 073507.	2.5	17
151	Accelerated optimization problem search using Boseâ€“Einstein condensation. New Journal of Physics, 2011, 13, 113025.	2.9	17
152	Two-qubit geometric phase gate for quantum dot spins using cavity polariton resonance. Physical Review B, 2012, 85, .	3.2	17
153	Polariton lasing in a microcavity. Physica Status Solidi A, 2004, 201, 625-632.	1.7	16
154	Neural networks using two-component Bose-Einstein condensates. Scientific Reports, 2013, 3, 2531.	3.3	16
155	Generating functional approach for spontaneous coherence in semiconductor electron-hole-photon systems. Physical Review B, 2015, 91, .	3.2	16
156	Theory of inhomogeneous microcavity polariton splitting. Solid State Communications, 1996, 98, 781-784.	1.9	15
157	Binary phase oscillation of two mutually coupled semiconductor lasers. Optics Express, 2015, 23, 6029.	3.4	14
158	Initialization of a spin qubit in a site-controlled nanowire quantum dot. New Journal of Physics, 2016, 18, 053024.	2.9	13
159	Coherent Ising Machines with Optical Error Correction Circuits. Advanced Quantum Technologies, 2021, 4, 2100077.	3.9	12
160	Direct time-domain observation of transition from strong to weak coupling in a semiconductor microcavity. Applied Physics Letters, 1998, 73, 3031-3033.	3.3	11
161	Controlling the spontaneous emission rate of single quantum dots in a 2D photonic crystal. , 2005, , .		11
162	Very strong coupling in GaAs-based optical microcavities. Physical Review B, 2013, 87, .	3.2	11

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163	Efficient sampling of ground and low-energy Ising spin configurations with a coherent Ising machine. Physical Review Research, 2022, 4, .	3.6	11
164	Phonon-assisted excitonâ€“polariton emission in a microcavity. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 1078.	2.1	10
165	An efficient source of single photons: a single quantum dot in a micropost microcavity. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 564-567.	2.7	10
166	Photoluminescence of high-density exciton-polariton condensates. Physical Review B, 2014, 90, .	3.2	10
167	Single-shot quantum nondemolition measurement of a quantum-dot electron spin using cavity exciton-polaritons. Physical Review B, 2014, 90, .	3.2	10
168	Towards Large-Scale Photonic Neural-Network Accelerators. , 2019, , .		10
169	Unconditional generation of bright coherent non-Gaussian light from exciton-polariton condensates. Physical Review B, 2013, 87, .	3.2	9
170	Data search by a coherent Ising machine based on an injection-locked laser network with gradual pumping or coupling. Physical Review A, 2014, 89, .	2.5	9
171	f-band condensates in exciton-polariton lattice systems. Physical Review B, 2014, 89, .	3.2	8
172	Ferminoic Physics in Dipolariton Condensates. Physical Review Letters, 2014, 112, 116401.	7.8	7
173	Potts model solver based on hybrid physical and digital architecture. Communications Physics, 2022, 5, .	5.3	7
174	Present Status and Future Prospects of Quantum Information Processing: With Special Focus on Optically Controlled Semiconductor Spins and Single-Photon Technologies. Japanese Journal of Applied Physics, 2011, 50, 100001.	1.5	6
175	Spatial correlation of two-dimensional bosonic multimode condensates. Physical Review A, 2016, 93, .	2.5	6
176	Statistical mechanics of CDMA multiuser detector implemented in coherent Ising machine. Journal of Applied Physics, 2018, 124, 233102.	2.5	6
177	Control of amplitude homogeneity in coherent Ising machines with artificial Zeeman terms. Communications Physics, 2022, 5, .	5.3	6
178	Quantum Computing vs. Coherent Computing. New Generation Computing, 2012, 30, 327-356.	3.3	5
179	Verification of very strong coupling in a semiconductor optical microcavity. New Journal of Physics, 2015, 17, 023064.	2.9	5
180	Spontaneous Emission Control in Semiconductor Microcavities. NATO ASI Series Series B: Physics, 1995, , 467-501.	0.2	5

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181	Entanglement and quantum discord in optically coupled coherent Ising machines. Physical Review A, 2020, 102, .	2.5	5
182	L0 regularization-based compressed sensing with quantumâ€“classical hybrid approach. Quantum Science and Technology, 2022, 7, 035013.	5.8	5
183	Photon counting schemes and performance of non-deterministic nonlinear gates in linear optics. , 2002, 4821, 427.		4
184	Indistinguishable single photons from a quantum dot. Physica Status Solidi (B): Basic Research, 2003, 238, 305-308.	1.5	4
185	Universal logic gates for quantum-dot electron-spin qubits using trapped quantum-well exciton polaritons. Physical Review B, 2017, 95, .	3.2	4
186	Entanglement and Photon Anti-Bunching in Coupled Non-Degenerate Parametric Oscillators. Entropy, 2021, 23, 624.	2.2	4
187	Exciton-Polariton Condensates in Zero-, One-, and Two-Dimensional Lattices. Springer Series in Solid-state Sciences, 2013, , 157-175.	0.3	4
188	Cavity-enhanced single photons from a quantum dot (Invited Paper). , 2005, , .		3
189	Exciton-Polariton Quantum Simulators. Quantum Science and Technology, 2017, , 91-121.	2.6	3
190	Transient Oscillatory Behaviors of Polariton Condensates. Journal of the Physical Society of Japan, 2018, 87, 094401.	1.6	3
191	Critical memory capacity of Hopfield model implemented in coherent Ising machine. Journal of Applied Physics, 2018, 124, 152129.	2.5	3
192	Squeezing and Cavity QED in Semiconductors. , 1996, , 201-281.		3
193	Kinetic Monte Carlo study of accelerated optimization problem search using Bose-Einstein condensates. Progress in Informatics, 2011, , 39.	0.2	3
194	Present Status and Future Prospects of Quantum Information Processing: With Special Focus on Optically Controlled Semiconductor Spins and Single-Photon Technologies. Japanese Journal of Applied Physics, 2011, 50, 100001.	1.5	3
195	Spatial and temporal dynamics of the crossover from excitonâ€“polariton condensation to photon lasing. Japanese Journal of Applied Physics, 2015, 54, 092801.	1.5	2
196	Optical Neural Network operating at the Quantum Limit - Coherent Ising/XY/Recurrent Neural Network Machines -. , 2018, , .		2
197	Quantum vs. Optical Annealing: Benchmarking the OPO Ising Machine and D-Wave. , 2018, , .		2
198	Community detection by laser network dynamics. Journal of Physics Communications, 2018, 2, 015005.	1.2	2

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199	Simulating one-dimensional Ising spins with optically-coupled time-division-multiplexed optical parametric oscillators. , 2015, , .		2
200	An electrically pumped polariton laser. , 2015, , .		1
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