

Eiichi Kuramochi

List of Publications by Year in descending order

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200
papers

7,000
citations

71102

41
h-index

58581

82
g-index

201
all docs

201
docs citations

201
times ranked

4328
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical bistable switching action of Si high-Q photonic-crystal nanocavities. Optics Express, 2005, 13, 2678.	3.4	449
2	Ultra-high-Q photonic crystal nanocavities realized by the local width modulation of a line defect. Applied Physics Letters, 2006, 88, 041112.	3.3	419
3	Waveguides, resonators and their coupled elements in photonic crystal slabs. Optics Express, 2004, 12, 1551.	3.4	412
4	Large-scale arrays of ultra-high-Q coupled nanocavities. Nature Photonics, 2008, 2, 741-747.	31.4	395
5	Trapping and delaying photons for one nanosecond in an ultrasmall high-Q photonic-crystal nanocavity. Nature Photonics, 2007, 1, 49-52.	31.4	360
6	All-optical switches on a silicon chip realized using photonic crystal nanocavities. Applied Physics Letters, 2005, 87, 151112.	3.3	352
7	Fast bistable all-optical switch and memory on a silicon photonic crystal on-chip. Optics Letters, 2005, 30, 2575.	3.3	286
8	Large-scale integration of wavelength-addressable all-optical memories on a photonic crystal chip. Nature Photonics, 2014, 8, 474-481.	31.4	270
9	Disorder-induced scattering loss of line-defect waveguides in photonic crystal slabs. Physical Review B, 2005, 72, .	3.2	233
10	Ultra-high-Q Nanocavity with 1D Photonic Gap. Optics Express, 2008, 16, 11095.	3.4	225
11	Fast all-optical switching using ion-implanted silicon photonic crystal nanocavities. Applied Physics Letters, 2007, 90, 031115.	3.3	155
12	Ultralow-energy and high-contrast all-optical switch involving Fano resonance based on coupled photonic crystal nanocavities. Optics Express, 2013, 21, 11877.	3.4	147
13	Dynamic Release of Trapped Light from an Ultra-high-Q Nanocavity via Adiabatic Frequency Tuning. Physical Review Letters, 2009, 102, 043907.	7.8	135
14	Nonlinear and adiabatic control of high-Q photonic crystal nanocavities. Optics Express, 2007, 15, 17458.	3.4	129
15	Ultra-high-Q one-dimensional photonic crystal nanocavities with modulated mode-gap barriers on SiO ₂ claddings and on air claddings. Optics Express, 2010, 18, 15859.	3.4	126
16	Optomechanical Wavelength and Energy Conversion in High-Q Double-Layer Cavities of Photonic Crystal Slabs. Physical Review Letters, 2006, 97, 023903.	7.8	123
17	Ultrasmall multi-port channel drop filter in two-dimensional photonic crystal on silicon-on-insulator substrate. Optics Express, 2006, 14, 12394.	3.4	111
18	Low power and fast electro-optic silicon modulator with lateral p-i-n embedded photonic crystal nanocavity. Optics Express, 2009, 17, 22505.	3.4	108

#	ARTICLE	IF	CITATIONS
19	Extremely low power optical bistability in silicon demonstrated using 1D photonic crystal nanocavity. Optics Express, 2009, 17, 21108.	3.4	104
20	Movable high-Q nanoresonators realized by semiconductor nanowires on a Si photonic crystal platform. Nature Materials, 2014, 13, 279-285.	27.5	94
21	Ultrasmall multi-channel resonant-tunneling filter using mode gap of width-tuned photonic-crystal waveguide. Optics Express, 2005, 13, 4202.	3.4	93
22	Femtofarad optoelectronic integration demonstrating energy-saving signal conversion and nonlinear functions. Nature Photonics, 2019, 13, 454-459.	31.4	84
23	Design of a high-Q air-slot cavity based on a width-modulated line-defect in a photonic crystal slab. Optics Express, 2008, 16, 13809.	3.4	83
24	All-optical on-chip bit memory based on ultra high Q InGaAsP photonic crystal. Optics Express, 2008, 16, 19382.	3.4	69
25	Compact 1D-silicon photonic crystal electro-optic modulator operating with ultra-low switching voltage and energy. Optics Express, 2014, 22, 28623.	3.4	66
26	Photonic-crystal nano-photodetector with ultrasmall capacitance for on-chip light-to-voltage conversion without an amplifier. Optica, 2016, 3, 483.	9.3	65
27	Large spontaneous emission factor (>0.1) in the photonic crystal monopole-mode laser. Applied Physics Letters, 2004, 84, 1067-1069.	3.3	64
28	Deep-subwavelength plasmonic mode converter with large size reduction for Si-wire waveguide. Optica, 2016, 3, 999.	9.3	61
29	Slow light enhanced optical nonlinearity in a silicon photonic crystal coupled-resonator optical waveguide. Optics Express, 2011, 19, 19861.	3.4	60
30	Low-power nanophotonic devices based on photonic crystals towards dense photonic network on chip. IET Circuits, Devices and Systems, 2011, 5, 84.	1.4	60
31	Continuous-wave operation and 10-Gb/s direct modulation of InAsP/InP sub-wavelength nanowire laser on silicon photonic crystal. APL Photonics, 2017, 2, .	5.7	60
32	Toward fJ/bit optical communication in a chip. Optics Communications, 2014, 314, 3-17.	2.1	58
33	An on-chip coupled resonator optical waveguide single-photon buffer. Nature Communications, 2013, 4, 2725.	12.8	57
34	Strained InGaAs quantum disk laser with nanoscale active region fabricated with self-organisation on GaAs (311)B substrate. Electronics Letters, 1995, 31, 209-211.	1.0	53
35	Perfect spatial ordering of self-organized InGaAs/AlGaAs box-like structure array on GaAs (311)B substrate with silicon nitride dot array. Applied Physics Letters, 1997, 71, 1655-1657.	3.3	47
36	Time-domain and spectral-domain investigation of inflection-point slow-light modes in photonic crystal coupled waveguides. Optics Express, 2007, 15, 3543.	3.4	47

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37	Strong optomechanical interaction in a bilayer photonic crystal. <i>Physical Review B</i> , 2010, 81, .	3.2	47
38	Large pulse delay and small group velocity achieved using ultrahigh-Q photonic crystal nanocavities. <i>Optics Express</i> , 2007, 15, 7826.	3.4	44
39	Single point defect photonic crystal nanocavity with ultrahigh quality factor achieved by using hexapole mode. <i>Applied Physics Letters</i> , 2007, 91, 021110.	3.3	43
40	Ultrahigh-Q two-dimensional photonic crystal slab nanocavities in very thin barriers. <i>Applied Physics Letters</i> , 2008, 93, 111112.	3.3	43
41	Heterogeneously integrated photonic-crystal lasers on silicon for on/off chip optical interconnects. <i>Optics Express</i> , 2015, 23, 702.	3.4	42
42	All-Optical InAsP/InP Nanowire Switches Integrated in a Si Photonic Crystal. <i>ACS Photonics</i> , 2020, 7, 1016-1021.	6.6	42
43	Slow light enhanced correlated photon pair generation in photonic-crystal coupled-resonator optical waveguides. <i>Optics Express</i> , 2013, 21, 8596.	3.4	39
44	Systematic study of thresholdless oscillation in high- $\hat{\nu}^2$ buried multiple-quantum-well photonic crystal nanocavity lasers. <i>Optics Express</i> , 2016, 24, 3441.	3.4	39
45	25-channel all-optical gate switches realized by integrating silicon photonic crystal nanocavities. <i>Optics Express</i> , 2014, 22, 14263.	3.4	38
46	Subwavelength Nanowire Lasers on a Silicon Photonic Crystal Operating at Telecom Wavelengths. <i>ACS Photonics</i> , 2017, 4, 355-362.	6.6	35
47	Phase-change memory. <i>Nature Photonics</i> , 2015, 9, 712-714.	31.4	33
48	Electro-optic adiabatic wavelength shifting and Q switching demonstrated using a p-i-n integrated photonic crystal nanocavity. <i>Optics Letters</i> , 2010, 35, 3895.	3.3	32
49	Entangled photons from on-chip slow light. <i>Scientific Reports</i> , 2014, 4, 3913.	3.3	32
50	Systematic hole-shifting of L-type nanocavity with an ultrahigh Q factor. <i>Optics Letters</i> , 2014, 39, 5780.	3.3	31
51	Nanomanipulating and Tuning Ultraviolet ZnO-Nanowire-Induced Photonic Crystal Nanocavities. <i>ACS Photonics</i> , 2017, 4, 1040-1047.	6.6	30
52	Photonic crystal lasers using wavelength-scale embedded active region. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 023001.	2.8	29
53	Hofstadter butterflies in a modulated magnetic field: Superconducting wire network with magnetic decoration. <i>Physical Review B</i> , 2004, 70, .	3.2	28
54	Strong radiation force induced in two-dimensional photonic crystal slab cavities. <i>Physical Review B</i> , 2008, 78, .	3.2	28

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55	Large tunable fractional delay of slow light pulse and its application to fast optical correlator. Optics Express, 2011, 19, 24102.	3.4	27
56	InGaAs nano-photodetectors based on photonic crystal waveguide including ultracompact buried heterostructure. Optics Express, 2013, 21, 19022.	3.4	26
57	On-Chip All-Optical Switching and Memory by Silicon Photonic Crystal Nanocavities. Advances in Optical Technologies, 2008, 2008, 1-10.	0.8	25
58	Ultralow-energy electro-absorption modulator consisting of InGaAsP-embedded photonic-crystal waveguide. APL Photonics, 2017, 2, .	5.7	25
59	Ultrafast spontaneous emission of copper-doped silicon enhanced by an optical nanocavity. Scientific Reports, 2014, 4, 5040.	3.3	24
60	Ultra-high-Q Nanocavities Written with a Nanoprobe. Nano Letters, 2011, 11, 3634-3642.	9.1	23
61	Coherent control of high efficiency metasurface beam deflectors with a back partial reflector. APL Photonics, 2017, 2, 046104.	5.7	23
62	Observation of deep levels in undoped GaSb grown by molecular beam epitaxy. Applied Physics Letters, 1993, 63, 2664-2666.	3.3	22
63	Observing exceptional point degeneracy of radiation with electrically pumped photonic crystal coupled-nanocavity lasers. Optica, 2021, 8, 184.	9.3	22
64	All-optical switching for 10-Gb/s packet data by using an ultralow-power optical bistability of photonic-crystal nanocavities. Optics Express, 2015, 23, 30379.	3.4	21
65	Fabrication of Nanometer-Order Dot Patterns by Lift-off Using a Fullerene-Incorporated Bilayer Resist System. Japanese Journal of Applied Physics, 1998, 37, 7202-7204.	1.5	20
66	Title is missing!. Optical and Quantum Electronics, 2002, 34, 53-61.	3.3	20
67	Design for ultrahigh-Q position-controlled nanocavities of single semiconductor nanowires in two-dimensional photonic crystals. Journal of Applied Physics, 2012, 112, .	2.5	19
68	Cavity-enhanced Raman scattering of single-walled carbon nanotubes. Applied Physics Letters, 2013, 102, 231110.	3.3	19
69	Lasing thresholds and photon statistics in high- \hat{I}^2 buried multiple quantum well photonic crystal nanocavity lasers. Physical Review A, 2019, 99, .	2.5	17
70	Optical Switching. Optics and Photonics News, 2005, 16, 34.	0.5	16
71	Enhanced and suppressed spontaneous emission from a buried heterostructure photonic crystal cavity. Applied Physics Letters, 2013, 103, .	3.3	16
72	Dispersion and light transport characteristics of large-scale photonic-crystal coupled nanocavity arrays. Optics Letters, 2014, 39, 2290.	3.3	16

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73	Design of nanowire-induced nanocavities in grooved 1D and 2D SiN photonic crystals for the ultra-violet and visible ranges. <i>Optics Express</i> , 2016, 24, 26792.	3.4	16
74	Manipulating and trapping light with photonic crystals from fundamental studies to practical applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11032-11049.	5.5	15
75	Hybrid Nanowire Photodetector Integrated in a Silicon Photonic Crystal. <i>ACS Photonics</i> , 2020, 7, 3467-3473.	6.6	15
76	Quality factor control and lasing characteristics of InAs/InGaAs quantum dots embedded in photonic-crystal nanocavities. <i>Optics Express</i> , 2008, 16, 5199.	3.4	14
77	Temperature-dependent spontaneous emission of PbS quantum dots inside photonic nanostructures at telecommunication wavelength. <i>Optics Communications</i> , 2017, 383, 555-560.	2.1	14
78	Resonant self-organization in semiconductor growth. <i>Journal of Crystal Growth</i> , 1998, 195, 516-523.	1.5	13
79	Measurement of ultra-high-Q photonic crystal nanocavity using single-sideband frequency modulator. <i>Electronics Letters</i> , 2007, 43, 187.	1.0	13
80	Nanowire-nanoantenna coupled system fabricated by nanomanipulation. <i>Optics Express</i> , 2016, 24, 8647.	3.4	12
81	Ultralow bias power all-optical photonic crystal memory realized with systematically tuned L3 nanocavity. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	11
82	Wideband slow short-pulse propagation in one-thousand slantingly coupled L3 photonic crystal nanocavities. <i>Optics Express</i> , 2018, 26, 9552.	3.4	11
83	Strain effects in InGaSb/AlGaSb quantum wells grown by molecular beam epitaxy. <i>Journal of Applied Physics</i> , 1995, 77, 5706-5711.	2.5	10
84	Room temperature continuous-wave nanolaser diode utilized by ultrahigh-Q few-cell photonic crystal nanocavities. <i>Optics Express</i> , 2018, 26, 26598.	3.4	10
85	Spatial ordering of self-organized InGaAs/AlGaAs quantum disks on GaAs (311)B substrates. <i>Journal of Electronic Materials</i> , 1999, 28, 445-451.	2.2	9
86	Drilled alternating-layer structure for three-dimensional photonic crystals with a full band gap. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2000, 18, 3510.	1.6	9
87	Forward-biased nanophotonic detector for ultralow-energy dissipation receiver. <i>APL Photonics</i> , 2018, 3, .	5.7	9
88	Forward-biased photonic crystal photodetector towards amplifier-free bias-free receiver. , 2017, , .		9
89	Perfect Spatial Ordering of Self-Organized InGaAs/AlGaAs Quantum Disks on GaAs (311)B Substrate with Silicon-Nitride Dot Array. <i>Japanese Journal of Applied Physics</i> , 1998, 37, 1559-1564.	1.5	6
90	Highly Selective ZEP/AlGaAs Etching for Photonic Crystal Structures Using Cl ₂ /HI/Xe Mixed Plasma. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L917-L919.	1.5	6

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91	Short Pulse Generation by Adiabatic Tuning of Light. Optics and Photonics News, 2009, 20, 41.	0.5	6
92	Purcell enhancement of fast-dephasing spontaneous emission from electron-hole droplets in high-Qsilicon photonic crystal nanocavities. Physical Review B, 2016, 94, .	3.2	6
93	Angle-resolved tunneling between two atomic planes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 182-185.	2.1	5
94	Introducing CdS into two- and three-dimensional photonic crystals. Optical and Quantum Electronics, 2002, 34, 71-77.	3.3	5
95	Single-mode transmission in commensurate width-varied line-defect SOI photonic crystal waveguides. , 2003, , .		5
96	Self-organized InGaAs quantum disk lasers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1995, 35, 7-11.	3.5	4
97	Functional components in SOI photonic crystal slabs. , 2003, 5000, 104.		4
98	Optomechanical oscillator pumped and probed by optically two isolated photonic crystal cavity systems. Optics Express, 2016, 24, 28039.	3.4	4
99	Si nanowire waveguide coupled current-driven photonic-crystal lasers. , 2017, , .		4
100	Ultracompact O-E-O converter based on fF-capacitance nanophotonic integration. , 2018, , .		4
101	All-optical dynamic modulation of spontaneous emission rate in hybrid optomechanical emitter-cavity systems. Optica, 2022, 9, 309.	9.3	4
102	Ultrasmall resonant tunneling/dropping devices in 2D photonic crystal slabs. , 2005, 5729, 72.		3
103	Observation of heavy photon state in ultrahigh-Q photonic crystal coupled resonator chain. , 2007, , .		3
104	Large Q factor enhancement of Ln nanocavity by a unified hole-shifting rule. , 2013, , .		3
105	Enhanced electron-hole droplet emission from surface-oxidized silicon photonic crystal nanocavities. Optics Express, 2016, 24, 1072.	3.4	3
106	Photonic-crystal lasers on silicon for chip-scale optical interconnects. , 2016, , .		3
107	Fabrication of structures with III-V compound semiconductors embedded into 3D photonic crystals. Thin Solid Films, 2003, 426, 172-177.	1.8	2
108	Transmission characterization of drilled alternating-layer three-dimensional photonic crystals. Journal of Applied Physics, 2003, 93, 8848-8851.	2.5	2

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109	Ultra-narrowband nonlinear wavelength conversion using coupled photonic crystal nanocavities. , 2013, , .		2
110	High-responsivity 1.7- μm -long InGaAs photodetectors based on photonic crystal with ultrasmall buried heterostructure. , 2014, , .		2
111	Fast calculation of the quality factor for two-dimensional photonic crystal slab nanocavities. Optics Express, 2014, 22, 23349.	3.4	2
112	Single-photon frequency shifting. Nature Photonics, 2016, 10, 752-753.	31.4	2
113	Sub-fF-Capacitance Photonic-Crystal Photodetector Towards fJ/bit On-Chip Receiver. IEICE Transactions on Electronics, 2017, E100.C, 750-758.	0.6	2
114	Low-Operating Energy Heterogeneously Integrated Photonic-Crystal Laser on Si Waveguide. , 2018, , .		2
115	Nonlinear optical absorption of beryllium isoelectronic centers doped in silicon waveguides. Applied Physics Letters, 2018, 113, 141101.	3.3	2
116	Fast All-Optical Pulse Train Modulation by Silicon Photonic Crystal Nanocavities. , 2006, , .		1
117	Ultrahigh-Q Photonic Crystal Nanocavities and Their Applications. Optical Science and Engineering, 2009, , 1-52.	0.1	1
118	FABRICATION OF 2D AND 3D PHOTONIC CRYSTALS. , 2011, , 479-504.		1
119	InGaAs nano-photodetectors based on photonic crystal waveguide including ultracompact buried heterostructure. , 2013, , .		1
120	Femtojoule/bit integrated nanophotonics based on photonic crystals. IEICE Electronics Express, 2013, 10, 20132003-20132003.	0.8	1
121	Wavelength-Addressable Multi-Bit Optical Memory Based on a Large-Scale Array of Photonic Crystal Nanocavities. , 2013, , .		1
122	Photonic-crystal-based InGaAs photodetector connected to load resistor for receiver-less light-to-voltage conversion on chip. , 2014, , .		1
123	25-Gbit/s direct modulation of photonic-crystal lasers with a 10.5-fJ/bit energy cost for on/off-chip optical interconnects. , 2014, , .		1
124	Formation of a suspended lipid membrane on a microcavity covered by a thin SiO ₂ layer with a nanohole array. Applied Physics Express, 2014, 7, 017001.	2.4	1
125	Ultralow-power and integrated operation of all-optical switches/memories in a photonic crystal chip. , 2014, , .		1
126	Resonant photon pair generation in coupled silicon photonic crystal nanocavities. , 2017, , .		1

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127	Multi-port PBG components in SOI photonic crystal slabs. , 2004, , .		1
128	All-optical on-chip memory based on ultra high Q InGaAsP photonic crystal nanocavity. , 2008, , .		1
129	Slow pulse propagation in long photonic crystal coupled cavity waveguides. , 2008, , .		1
130	Ultra-Low Energy 1D Silicon Photonic Crystal Electro-Optic Modulator with Sub-100- mV Switching Voltage. , 2014, , .		1
131	Ultrahigh-Q/V single cell slotted nanocavity operated in water. , 2019, , .		1
132	Photonic-crystal optical parametric oscillator. Nature Photonics, 2021, 15, 2-4.	31.4	1
133	Efficient Automated Nanocavity Optimization by Direct Use of Finite Element Method Computation. , 2020, , .		1
134	InGaAs quantum disk: Fabrication via self-organization and spectroscopies. Bulletin of Materials Science, 1999, 22, 543-552.	1.7	0
135	Fullerene-Incorporated Nanocomposite Resist System for Nanolithography. Materials Research Society Symposia Proceedings, 1999, 584, 103.	0.1	0
136	Transmission Characterization of Drilled Alternating-Layer Three-Dimensional Photonic Crystals. Materials Research Society Symposia Proceedings, 2001, 692, 1.	0.1	0
137	Transmission Characterization of Drilled Alternating-Layer Three-Dimensional Photonic Crystals. Materials Research Society Symposia Proceedings, 2001, 694, 1.	0.1	0
138	Self-organized quantum disks for a two-state system. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 88, 153-157.	3.5	0
139	Enhanced emission of single quantum dot formed by interface fluctuations in photonic-crystal microcavities. Photonics and Nanostructures - Fundamentals and Applications, 2006, 4, 89-93.	2.0	0
140	Dynamic Control of Light by High-Q Photonic Crystal Nanocavities. , 2007, , WD1.		0
141	Experimental Observation of Inflection-Point Slow Light Modes in Photonic Crystal Coupled Waveguides. , 2007, , .		0
142	Experimental observation of inflection-point slow light modes in photonic crystal coupled waveguides. , 2007, , .		0
143	Photon Trapping, Delaying, and Dynamic-Control using Ultra-small High-Q Photonic Crystal Cavities. , 2007, , .		0
144	Nonlinear and adiabatic control of light in a photonic crystal chip. , 2008, , .		0

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145	Ultra-high-Q nanocavity with 1D periodicity. , 2008, , .		0
146	Ultra-high-Q Nanocavities realized by using a very narrow photonic crystal with built-in air Slots. , 2008, , .		0
147	Photonic Crystal Nanocavities with Extremely Long Photon Lifetimes and Their Applications. The Review of Laser Engineering, 2008, 36, 1310-1313.	0.0	0
148	Optomechanical response of photonic crystal with double-slab configuration. , 2009, , .		0
149	High-Q air-slot photonic crystal cavities. , 2009, , .		0
150	Very-Large-Scale Photonic Crystal Coupled Cavity Waveguides with Large Delay Per Pulse Width Ratio. , 2009, , .		0
151	Slow Light Generated by Ultra-high-Q Nanocavities. The Review of Laser Engineering, 2009, 37, 578-584.	0.0	0
152	Highly-efficient four-wave mixing in a coupled-nanocavity waveguide. , 2011, , .		0
153	Ultra-high-Q nanocavities fabricated by scanning probe microscope lithography on pre-patterned photonic crystal. , 2011, , .		0
154	Nanocavity-enhanced Raman scattering of single-walled carbon nanotubes. , 2013, , .		0
155	Slow-light-enhanced correlated photon pair generation in a silicon photonic crystal coupled-resonator optical waveguide. , 2013, , .		0
156	25-channel all-optical switches by integrated silicon photonic crystal nanocavities. , 2013, , .		0
157	Electrically Driven Photonic-Crystal Lasers on Silicon Substrates Using Direct Wafer Bonding. , 2014, , .		0
158	Emission enhancement in nanowire-nanoantenna system fabricated by nanomanipulation. , 2014, , .		0
159	Fast and accurate calculation of Q factor of 2D photonic crystal cavity. , 2014, , .		0
160	Semiconductor Nanowire Induced Photonic-Crystal Nanocavity with Selectable Resonant Wavelength. , 2014, , .		0
161	Buried-Heterostructure L3 Nanocavity All-Optical Memory with 2.3-nW Power Consumption. , 2014, , .		0
162	Connecting deep sub-wavelength plasmonic waveguide to Si photonics waveguides. , 2015, , .		0

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163	Systematic tuning of ultrahigh-Q no-missing-hole (H0) nanocavity. , 2015, , .		0
164	Telecom-band sub-wavelength nanowire lasers on Si photonic crystal platform. , 2015, , .		0
165	Ultralow-energy InGaAsP modulators based on a photonic crystal waveguide/nanocavity involving the Franz-Keldysh effect. , 2015, , .		0
166	Photonic crystal photodetector-modulator integration for ultra-compact wavelength converter. , 2015, , .		0
167	Direct Measurement of Anderson Localisation in Large-scale Coupled Resonator Slow-light Waveguides. , 2016, , .		0
168	Photonic crystal membrane with single crystalline rare-earth oxide using selective area growth by MBE. , 2016, , .		0
169	Reduction of Cavity Length in μ m-Scale Embedded Active-region Photonic Crystal (LEAP) Lasers. , 2018, , .		0
170	Photonic-crystal Lasers with Extremely Short Embedded Active-regions. , 2019, , .		0
171	Temperature Characteristics of Photonic-Crystal Lasers Coupled to Si Waveguides. , 2019, , .		0
172	Excitonic nonlinear shifts in photonic crystal nanocavities with buried multiple quantum wells. Applied Physics Letters, 2021, 118, 111101.	3.3	0
173	Si-based Photonic Crystals towards Si Photonics.. The Review of Laser Engineering, 2002, 30, 65-69.	0.0	0
174	All-Optical Switching and 5-GHz RZ (Return to Zero) Optical Pulse Train Modulation Using Silicon Photonic Crystal Cavities. The Review of Laser Engineering, 2006, 34, 848-852.	0.0	0
175	Recent Progress of Two-Dimensional Si Photonic Crystal Slab Structures. The Review of Laser Engineering, 2006, 34, 346-352.	0.0	0
176	All-Optical Switching and Control of Silicon Photonic Crystal Nanocavities. , 2006, , .		0
177	All-Optical Control of Photonic Crystal Nanocavities. , 2006, , .		0
178	Nonlinear Switching in High-Q Photonic Crystal Nanocavities. , 2008, , .		0
179	Slow Light Media Based on Ultrahigh-Q Nanocavities. , 2008, , .		0
180	Manipulating Slow Light by Ultrahigh-Q Nanocavities and Their Coupled Arrays. , 2009, , .		0

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181	All-optical switches and bistable devices using high- Q photonic crystal nanocavities. , 2009, , .		0
182	Ultrahigh-Q Silicon-on-Insulator One Dimensional Mode-Gap Nanocavity. , 2010, , .		0
183	All-Silicon Photo-Detector by A Photonic Crystal Nanocavity Integrated with A p-i-n Junction. The Review of Laser Engineering, 2012, 40, 375.	0.0	0
184	Movable High-Q Nanocavity using III-V Nanowire on Silicon Photonic Crystals. , 2013, , .		0
185	Integrated Single Photon Buffer based on Coupled-Resonator Optical Waveguide. , 2013, , .		0
186	Integrated all-optical memories/switches in a photonic crystal chip. , 2014, , .		0
187	Low Energy 1D Silicon Photonic Crystal Electro-Optic Modulator. , 2014, , .		0
188	1.02- μ m pump laser diodes with high power above 300 mW into single mode fiber. , 1995, , .		0
189	High-power 1.02- μ m strained-InGaAs-quantum-well laser diodes for 1.3- μ m-band fiber amplifiers fabricated by a full-wafer process. , 1995, , .		0
190	Perfect Spatial Ordering of Self-Organized InGaAs/AlGaAs Box-Like Structure on GaAs (311)B Substrate with Buried Silicon-Nitride Dot Array. , 1997, , .		0
191	Smooth lasing transition in high Γ^2 buried multiple-quantum-well 2D photonic crystal lasers. , 2015, , .		0
192	Over-1mm-long Wideband on-Chip Slowlight Waveguides Realized by 1,000 Coupled L3 Nanocavities. , 2015, , .		0
193	Over 100-bit integrated all-optical memory. SPIE Newsroom, 0, , .	0.1	0
194	Straight and Curved Photonic Crystal Waveguides Realized with Coupled L2 Nanocavities. , 2016, , .		0
195	Ultrahigh-Q/V single point-defect photonic crystal nanocavity with embedded sub-wavelength air-slot. , 2017, , .		0
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