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	All-optical dynamic modulation of spontaneous emission rate in hybrid optomechanical emitter-cavity systems. Optica, 2022, 9, 309.	9.3	4
2	Observing exceptional point degeneracy of radiation with electrically pumped photonic crystal coupled-nanocavity lasers. Optica, 2021, 8, 184.	9.3	22
3	Excitonic nonlinear shifts in photonic crystal nanocavities with buried multiple quantum wells. Applied Physics Letters, 2021, 118, 111101.	3.3	0
4	Photonic-crystal optical parametric oscillator. Nature Photonics, 2021, 15, 2-4.	31.4	1
5	Hybrid Nanowire Photodetector Integrated in a Silicon Photonic Crystal. ACS Photonics, 2020, 7, 3467-3473.	6.6	15
6	All-Optical InAsP/InP Nanowire Switches Integrated in a Si Photonic Crystal. ACS Photonics, 2020, 7, 1016-1021.	6.6	42
7	Nonlinear wavelength shift induced by exciton in buried multiple quantum wells in a photonic crystal cavity. , 2020, , .		0
8	Femto-farad nanophotonic devices for fJ/bit signal conversion. , 2020, , .		0
9	Efficient Automated Nanocavity Optimization by Direct Use of Finite Element Method Computation. , 2020, , .		1
10	Lasing thresholds and photon statistics in high- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> buried multiple quantum well photonic crystal nanocavity lasers. Physical Review A, 2019, 99, .	2.5	17
11	Femtofarad optoelectronic integration demonstrating energy-saving signal conversion and nonlinear functions. Nature Photonics, 2019, 13, 454-459.	31.4	84
12	Photonic-crystal Lasers with Extremely Short Embedded Active-regions. , 2019, , .		0
13	Temperature Characteristics of Photonic-Crystal Lasers Coupled to Si Waveguides. , 2019, , .		0
14	Ultrahigh-Q/V single cell slotted nanocavity operated in water. , 2019, , .		1
15	High signal-to-noise ratio for high-impedance-loaded nano-photodetector towards attojoule optical reception. , 2019, , .		0
16	Temperature Characteristics of Photonic-Crystal Lasers Coupled to Si Waveguides. , 2019, , .		0
17	Forward-biased nanophotonic detector for ultralow-energy dissipation receiver. APL Photonics, 2018, 3, .	5.7	9
18	Low-Operating Energy Heterogeneously Integrated Photonic-Crystal Laser on Si Waveguide. , 2018, , .		2

#	Article	IF	Citations
19	Reduction of Cavity Length in Î»-Scale Embedded Active-region Photonic Crystal (LEAP) Lasers. , 2018, , .		0
20	Nonlinear optical absorption of beryllium isoelectronic centers doped in silicon waveguides. Applied Physics Letters, 2018, 113, 141101.	3.3	2
21	Wideband slow short-pulse propagation in one-thousand slantingly coupled L3 photonic crystal nanocavities. Optics Express, 2018, 26, 9552.	3.4	11
22	Ultracompact O-E-O converter based on fF-capacitance nanophotonic integration. , 2018, , .		4
23	Room temperature continuous-wave nanolaser diode utilized by ultrahigh-Q few-cell photonic crystal nanocavities. Optics Express, 2018, 26, 26598.	3.4	10
24	Subwavelength Nanowire Lasers on a Silicon Photonic Crystal Operating at Telecom Wavelengths. ACS Photonics, 2017, 4, 355-362.	6.6	35
25	Coherent control of high efficiency metasurface beam deflectors with a back partial reflector. APL Photonics, 2017, 2, 046104.	5.7	23
26	Nanomanipulating and Tuning Ultraviolet ZnO-Nanowire-Induced Photonic Crystal Nanocavities. ACS Photonics, 2017, 4, 1040-1047.	6.6	30
27	Ultralow-energy electro-absorption modulator consisting of InGaAsP-embedded photonic-crystal waveguide. APL Photonics, 2017, 2, .	5.7	25
28	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
29	Temperature-dependent spontaneous emission of PbS quantum dots inside photonic nanostructures at telecommunication wavelength. Optics Communications, 2017, 383, 555-560.	2.1	14
30	Resonant photon pair generation in coupled silicon photonic crystal nanocavities. , 2017, , .		1
31	Si nanowire waveguide coupled current-driven photonic-crystal lasers. , 2017, , .		4
32	Sub-fF-Capacitance Photonic-Crystal Photodetector Towards fJ/bit On-Chip Receiver. IEICE Transactions on Electronics, 2017, E100.C, 750-758.	0.6	2
33	Forward-biased photonic crystal photodetector towards amplifier-free bias-free receiver. , 2017, , .		9
34	Ultrahigh-Q/V single point-defect photonic crystal nanocavity with embedded sub-wavelength air-slot. , 2017, , .		0
35	10.1063/1.4978662.1. , 2017, , .		0
36	Direct Measurement of Anderson Localisation in Large-scale Coupled Resonator Slow-light Waveguides. , 2016, , .		0

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37	Design of nanowire-induced nanocavities in grooved 1D and 2D SiN photonic crystals for the ultra-violet and visible ranges. Optics Express, 2016, 24, 26792.	3.4	16
38	Optomechanical oscillator pumped and probed by optically two isolated photonic crystal cavity systems. Optics Express, 2016, 24, 28039.	3.4	4
39	Single-photon frequency shifting. Nature Photonics, 2016, 10, 752-753.	31.4	2
40	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
41	Deep-subwavelength plasmonic mode converter with large size reduction for Si-wire waveguide. Optica, 2016, 3, 999.	9.3	61
42	Enhanced electron-hole droplet emission from surface-oxidized silicon photonic crystal nanocavities. Optics Express, 2016, 24, 1072.	3.4	3
43	Systematic study of thresholdless oscillation in high-Î² buried multiple-quantum-well photonic crystal nanocavity lasers. Optics Express, 2016, 24, 3441.	3.4	39
44	Nanowire-nanoantenna coupled system fabricated by nanomanipulation. Optics Express, 2016, 24, 8647.	3.4	12
45	Manipulating and trapping light with photonic crystals from fundamental studies to practical applications. Journal of Materials Chemistry C, 2016, 4, 11032-11049.	5.5	15
46	Photonic crystal membrane with single crystalline rare-earth oxide using selective area growth by MBE. , 2016, , .		0
47	Photonic-crystal nano-photodetector with ultrasmall capacitance for on-chip light-to-voltage conversion without an amplifier. Optica, 2016, 3, 483.	9.3	65
48	Photonic-crystal lasers on silicon for chip-scale optical interconnects. , 2016, , .		3
49	Straight and Curved Photonic Crystal Waveguides Realized with Coupled L2 Nanocavities. , 2016, , .		0
50	Connecting deep sub-wavelength plasmonic waveguide to Si photonics waveguides. , 2015, , .		0
51	Ultralow bias power all-optical photonic crystal memory realized with systematically tuned L3 nanocavity. Applied Physics Letters, 2015, 107, .	3.3	11
52	Systematic tuning of ultrahigh-Q no-missing-hole (H0) nanocavity. , 2015, , .		0
53	Telecom-band sub-wavelength nanowire lasers on Si photonic crystal platform. , 2015, , .		0
54	Ultralow-energy InGaAsP modulators based on a photonic crystal waveguide/nanocavity involving the Franz-Keldysh effect. , 2015, , .		0

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55	Photonic crystal photodetector-modulator integration for ultra-compact wavelength converter. , 2015, , .		0
56	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
57	Heterogeneously integrated photonic-crystal lasers on silicon for on/off chip optical interconnects. Optics Express, 2015, 23, 702.	3.4	42
58	Phase-change memory. Nature Photonics, 2015, 9, 712-714.	31.4	33
59	Smooth lasing transition in high Î² buried multiple-quantum-well 2D photonic crystal lasers. , 2015, , .		0
60	Over-1mm-long Wideband on-Chip Slowlight Waveguides Realized by 1,000 Coupled L3 Nanocavities. , 2015, , .		0
61	Electrically Driven Photonic-Crystal Lasers on Silicon Substrates Using Direct Wafer Bonding. , 2014, , .		0
62	Photonic-crystal-based InGaAs photodetector connected to load resistor for receiver-less light-to-voltage conversion on chip. , 2014, , .		1
63	Emission enhancement in nanowire-nanoantenna system fabricated by nanomanipulation. , 2014, , .		0
64	Fast and accurate calculation of Q factor of 2D photonic crystal cavity. , 2014, , .		0
65	Systematic hole-shifting of L-type nanocavity with an ultrahigh Q factor. Optics Letters, 2014, 39, 5780.	3.3	31
66	Dispersion and light transport characteristics of large-scale photonic-crystal coupled nanocavity arrays. Optics Letters, 2014, 39, 2290.	3.3	16
67	High-responsivity 1.7-μm-long InGaAs photodetectors based on photonic crystal with ultrasmall buried heterostructure. , 2014, , .		2
68	Fast calculation of the quality factor for two-dimensional photonic crystal slab nanocavities. Optics Express, 2014, 22, 23349.	3.4	2
69	Compact 1D-silicon photonic crystal electro-optic modulator operating with ultra-low switching voltage and energy. Optics Express, 2014, 22, 28623.	3.4	66
70	25-channel all-optical gate switches realized by integrating silicon photonic crystal nanocavities. Optics Express, 2014, 22, 14263.	3.4	38
71	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
72	Formation of a suspended lipid membrane on a microcavity covered by a thin SiO2layer with a nanohole array. Applied Physics Express, 2014, 7, 017001.	2.4	1

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73	Toward fJ/bit optical communication in a chip. Optics Communications, 2014, 314, 3-17.	2.1	58
74	Movable high-Q nanoresonators realized by semiconductor nanowires on a Si photonic crystal platform. Nature Materials, 2014, 13, 279-285.	27.5	94
75	Ultralow-power and integrated operation of all-optical switches/memories in a photonic crystal chip. , 2014, , .		1
76	Photonic crystal lasers using wavelength-scale embedded active region. Journal Physics D: Applied Physics, 2014, 47, 023001.	2.8	29
77	Large-scale integration of wavelength-addressable all-optical memories on a photonic crystal chip. Nature Photonics, 2014, 8, 474-481.	31.4	270
78	Semiconductor Nanowire Induced Photonic-Crystal Nanocavity with Selectable Resonant Wavelength. , 2014, , .		0
79	Buried-Heterostructure L3 Nanocavity All-Optical Memory with 2.3-nW Power Consumption. , 2014, , .		0
80	Entangled photons from on-chip slow light. Scientific Reports, 2014, 4, 3913.	3.3	32
81	Ultrafast spontaneous emission of copper-doped silicon enhanced by an optical nanocavity. Scientific Reports, 2014, 4, 5040.	3.3	24
82	Ultra-Low Energy 1D Silicon Photonic Crystal Electro-Optic Modulator with Sub-100- mV Switching Voltage. , 2014, , .		1
83	Integrated all-optical memories/switches in a photonic crystal chip. , 2014, , .		0
84	Low Energy 1D Silicon Photonic Crystal Electro-Optic Modulator. , 2014, , .		0
85	Enhanced and suppressed spontaneous emission from a buried heterostructure photonic crystal cavity. Applied Physics Letters, 2013, 103, .	3.3	16
86	An on-chip coupled resonator optical waveguide single-photon buffer. Nature Communications, 2013, 4, 2725.	12.8	57
87	Large Q factor enhancement of Ln nanocavity by a unified hole-shifting rule. , 2013, , .		3
88	Nanocavity-enhanced Raman scattering of single-walled carbon nanotubes. , 2013, , .		0
89	InGaAs nano-photodetectors based on photonic crystal waveguide including ultracompact buried heterostructure. Optics Express, 2013, 21, 19022.	3.4	26
90	Slow light enhanced correlated photon pair generation in photonic-crystal coupled-resonator optical waveguides. Optics Express, 2013, 21, 8596.	3.4	39

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91	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
92	InGaAs nano-photodetectors based on photonic crystal waveguide including ultracompact buried heterostructure. , 2013, , .		1
93	Slow-light-enhanced correlated photon pair generation in a silicon photonic crystal coupled-resonator optical waveguide. , 2013, , .		0
94	Cavity-enhanced Raman scattering of single-walled carbon nanotubes. Applied Physics Letters, 2013, 102, 231110.	3.3	19
95	Ultra-narrowband nonlinear wavelength conversion using coupled photonic crystal nanocavities. , 2013, , .		2
96	Femtojoule/bit integrated nanophotonics based on photonic crystals. IEICE Electronics Express, 2013, 10, 20132003-20132003.	0.8	1
97	Wavelength-Addressable Multi-Bit Optical Memory Based on a Large-Scale Array of Photonic Crystal Nanocavities. , 2013, , .		1
98	25-channel all-optical switches by integrated silicon photonic crystal nanocavities. , 2013, , .		0
99	Movable High-Q Nanocavity using III-V Nanowire on Silicon Photonic Crystals. , 2013, , .		0
100	Integrated Single Photon Buffer based on Coupled-Resonator Optical Waveguide. , 2013, , .		0
101	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
102	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
103	Ultrahigh-Q Nanocavities Written with a Nanoprobe. Nano Letters, 2011, 11, 3634-3642.	9.1	23
104	Slow light enhanced optical nonlinearity in a silicon photonic crystal coupled-resonator optical waveguide. Optics Express, 2011, 19, 19861.	3.4	60
105	Large tunable fractional delay of slow light pulse and its application to fast optical correlator. Optics Express, 2011, 19, 24102.	3.4	27
106	Highly-efficient four-wave mixing in a coupled-nanocavity waveguide. , 2011, , .		0
107	FABRICATION OF 2D AND 3D PHOTONIC CRYSTALS. , 2011, , 479-504.		1
108	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

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109	Ultrahigh-Q nanocavities fabricated by scanning probe microscope lithography on pre-patterned photonic crystal. , 2011, , .		0
110	Strong optomechanical interaction in a bilayer photonic crystal. Physical Review B, 2010, 81, .	3.2	47
111	Ultrahigh-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
112	Electro-optic adiabatic wavelength shifting and Q switching demonstrated using a p-i-n integrated photonic crystal nanocavity. Optics Letters, 2010, 35, 3895.	3.3	32
113	Ultrahigh-Q Silicon-on-Insulator One Dimensional Mode-Gap Nanocavity. , 2010, , .		0
114	Optomechanical response of photonic crystal with double-slab configuration. , 2009, , .		0
115	High- Q air-slot photonic crystal cavities. , 2009, , .		0
116	Very-Large-Scale Photonic Crystal Coupled Cavity Waveguides with Large Delay Per Pulse Width Ratio. , 2009, , .		0
117	Short Pulse Generation by Adiabatic Tuning of Light. Optics and Photonics News, 2009, 20, 41.	0.5	6
118	Extremely low power optical bistability in silicon demonstrated using 1D photonic crystal nanocavity. Optics Express, 2009, 17, 21108.	3.4	104
119	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
120	Dynamic Release of Trapped Light from an Ultrahigh-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>Nanocavity via Adiabatic Frequency Tuning. Physical Review Letters, 2009, 102, 043907.	7.8	135
121	Ultrahigh-Q Photonic Crystal Nanocavities and Their Applications. Optical Science and Engineering, 2009, , 1-52.	0.1	1
122	Slow Light Generated by Ultrahigh-Q Nanocavities. The Review of Laser Engineering, 2009, 37, 578-584.	0.0	0
123	Manipulating Slow Light by Ultrahigh-Q Nanocavities and Their Coupled Arrays. , 2009, , .		0
124	All-optical switches and bistable devices using high- Q photonic crystal nanocavities. , 2009, , .		0
125	Large-scale arrays of ultrahigh-Q coupled nanocavities. Nature Photonics, 2008, 2, 741-747.	31.4	395
126	Quality factor control and lasing characteristics of InAs/InGaAs quantum dots embedded in photonic-crystal nanocavities. Optics Express, 2008, 16, 5199.	3.4	14

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127	Ultrahigh-Q Nanocavity with 1D Photonic Gap. Optics Express, 2008, 16, 11095.	3.4	225
128	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
129	All-optical on-chip bit memory based on ultra high Q InGaAsP photonic crystal. Optics Express, 2008, 16, 19382.	3.4	69
130	Nonlinear and adiabatic control of light in a photonic crystal chip. , 2008, , .		0
131	Ultrahigh-Q nanocavity with 1D periodicity. , 2008, , .		0
132	Ultrahigh-Q two-dimensional photonic crystal slab nanocavities in very thin barriers. Applied Physics Letters, 2008, 93, 111112.	3.3	43
133	Strong radiation force induced in two-dimensional photonic crystal slab cavities. Physical Review B, 2008, 78, .	3.2	28
134	Ultrahigh-Q Nanocavities realized by using a very narrow photonic crystal with built-in air Slots. , 2008, , .		0
135	Photonic Crystal Nanocavities with Extremely Long Photon Lifetimes and Their Applications. The Review of Laser Engineering, 2008, 36, 1310-1313.	0.0	0
136	On-Chip All-Optical Switching and Memory by Silicon Photonic Crystal Nanocavities. Advances in Optical Technologies, 2008, 2008, 1-10.	0.8	25
137	Nonlinear Switching in High-Q Photonic Crystal Nanocavities. , 2008, , .		0
138	Slow Light Media Based on Ultrahigh-Q Nanocavities. , 2008, , .		0
139	All-optical on-chip memory based on ultra high Q InGaAsP photonic crystal nanocavity. , 2008, , .		1
140	Slow pulse propagation in long photonic crystal coupled cavity waveguides. , 2008, , .		1
141	Measurement of ultra-high-Q photonic crystal nanocavity using single-sideband frequency modulator. Electronics Letters, 2007, 43, 187.	1.0	13
142	Dynamic Control of Light by High-Q Photonic Crystal Nanocavities. , 2007, , WD1.		0
143	Observation of heavy photon state in ultrahigh-Q photonic crystal coupled resonator chain. , 2007, , .		3
144	Experimental Observation of Inflection-Point Slow Light Modes in Photonic Crystal Coupled Waveguides. , 2007, , .		0

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145	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
146	Large pulse delay and small group velocity achieved using ultrahigh-Q photonic crystal nanocavities. Optics Express, 2007, 15, 7826.	3.4	44
147	Nonlinear and adiabatic control of high-Q photonic crystal nanocavities. Optics Express, 2007, 15, 17458.	3.4	129
148	Experimental observation of inflection-point slow light modes in photonic crystal coupled waveguides. , 2007, , .		0
149	Photon Trapping, Delaying, and Dynamic-Control using Ultra-small High-Q Photonic Crystal Cavities. , 2007, , .		0
150	Single point defect photonic crystal nanocavity with ultrahigh quality factor achieved by using hexapole mode. Applied Physics Letters, 2007, 91, 021110.	3.3	43
151	Fast all-optical switching using ion-implanted silicon photonic crystal nanocavities. Applied Physics Letters, 2007, 90, 031115.	3.3	155
152	Trapping and delaying photons for one nanosecond in an ultrasmall high-Q photonic-crystal nanocavity. Nature Photonics, 2007, 1, 49-52.	31.4	360
153	Optomechanical Wavelength and Energy Conversion in High-QDouble-Layer Cavities of Photonic Crystal Slabs. Physical Review Letters, 2006, 97, 023903.	7.8	123
154	Ultrahigh-Q photonic crystal nanocavities realized by the local width modulation of a line defect. Applied Physics Letters, 2006, 88, 041112.	3.3	419
155	Ultrasmall multi-port channel drop filter in two-dimensional photonic crystal on silicon-on-insulator substrate. Optics Express, 2006, 14, 12394.	3.4	111
156	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
157	Highly Selective ZEP/AlGaAs Etching for Photonic Crystal Structures Using Cl2/HI/Xe Mixed Plasma. Japanese Journal of Applied Physics, 2006, 45, L917-L919.	1.5	6
158	Fast All-Optical Pulse Train Modulation by Silicon Photonic Crystal Nanocavities. , 2006, , .		1
159	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
160	Recent Progress of Two-Dimensional Si Photonic Crystal Slab Structures. The Review of Laser Engineering, 2006, 34, 346-352.	0.0	0
161	All-Optical Switching and Control of Silicon Photonic Crystal Nanocavities. , 2006, , .		0
162	All-Optical Control of Photonic Crystal Nanocavities. , 2006, , .		0

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163	Optical bistable switching action of Si high-Q photonic-crystal nanocavities. Optics Express, 2005, 13, 2678.	3.4	449
164	Ultrasmall multi-channel resonant-tunneling filter using mode gap of width-tuned photonic-crystal waveguide. Optics Express, 2005, 13, 4202.	3.4	93
165	Fast bistable all-optical switch and memory on a silicon photonic crystal on-chip. Optics Letters, 2005, 30, 2575.	3.3	286
166	Optical Switching. Optics and Photonics News, 2005, 16, 34.	0.5	16
167	Ultrasmall resonant tunneling/dropping devices in 2D photonic crystal slabs. , 2005, 5729, 72.		3
168	All-optical switches on a silicon chip realized using photonic crystal nanocavities. Applied Physics Letters, 2005, 87, 151112.	3.3	352
169	Disorder-induced scattering loss of line-defect waveguides in photonic crystal slabs. Physical Review B, 2005, 72, .	3.2	233
170	Hofstadter butterflies in a modulated magnetic field:â€ƒSuperconducting wire network with magnetic decoration. Physical Review B, 2004, 70, .	3.2	28
171	Large spontaneous emission factor (>0.1) in the photonic crystal monopole-mode laser. Applied Physics Letters, 2004, 84, 1067-1069.	3.3	64
172	Waveguides, resonators and their coupled elements in photonic crystal slabs. Optics Express, 2004, 12, 1551.	3.4	412
173	Multi-port PBG components in SOI photonic crystal slabs. , 2004, , .		1
174	Fabrication of structures with IIIâ€“V compound semiconductors embedded into 3D photonic crystals. Thin Solid Films, 2003, 426, 172-177.	1.8	2
175	Single-mode transmission in commensurate width-varied line-defect SOI photonic crystal waveguides. , 2003, , .		5
176	Transmission characterization of drilled alternating-layer three-dimensional photonic crystals. Journal of Applied Physics, 2003, 93, 8848-8851.	2.5	2
177	Functional components in SOI photonic crystal slabs. , 2003, 5000, 104.		4
178	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
179	Title is missing!. Optical and Quantum Electronics, 2002, 34, 53-61.	3.3	20
180	Introducing CdS into two- and three-dimensional photonic crystals. Optical and Quantum Electronics, 2002, 34, 71-77.	3.3	5

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181	Si-based Photonic Crystals towards Si Photonics.. The Review of Laser Engineering, 2002, 30, 65-69.	0.0	0
182	Transmission Characterization of Drilled Alternating-Layer Three-Dimensional Photonic Crystals. Materials Research Society Symposia Proceedings, 2001, 692, 1.	0.1	0
183	Transmission Characterization of Drilled Alternating-Layer Three-Dimensional Photonic Crystals. Materials Research Society Symposia Proceedings, 2001, 694, 1.	0.1	0
184	Drilled alternating-layer structure for three-dimensional photonic crystals with a full band gap. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 3510.	1.6	9
185	InGaAs quantum disk: Fabrication via self-organization and spectroscopies. Bulletin of Materials Science, 1999, 22, 543-552.	1.7	0
186	Spatial ordering of self-organized InGaAs/AlGaAs quantum disks on GaAs (311)B substrates. Journal of Electronic Materials, 1999, 28, 445-451.	2.2	9
187	Fullerene-Incorporated Nanocomposite Resist System for Nanolithograpy. Materials Research Society Symposia Proceedings, 1999, 584, 103.	0.1	0
188	Resonant self-organization in semiconductor growth. Journal of Crystal Growth, 1998, 195, 516-523.	1.5	13
189	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
190	Perfect Spatial Ordering of Self-Organized InGaAs/AlGaAs Quantum Disks on GaAs (311)B Substrate with Silicon-Nitride Dot Array. Japanese Journal of Applied Physics, 1998, 37, 1559-1564.	1.5	6
191	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
192	Perfect Spatial Ordering of Self-Organized InGaAs/AlGaAs Box-Like Structure on GaAs (311)B Substrate with Buried Silicon-Nitride Dot Array. , 1997, , .		0
193	Self-organized InGaAs quantum disk lasers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1995, 35, 7-11.	3.5	4
194	Strain effects in InGaSb/AlGaSb quantum wells grown by molecular beam epitaxy. Journal of Applied Physics, 1995, 77, 5706-5711.	2.5	10
195	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
196	1.02-Î¼m pump laser diodes with high power above 300 mW into single mode fiber. , 1995, , .		0
197	High-power 1.02-Î¼m strained-InGaAs-quantum-well laser diodes for 1.3-Î¼m-band fiber amplifiers fabricated by a full-wafer process. , 1995, , .		0
198	Observation of deep levels in undoped GaSb grown by molecular beam epitaxy. Applied Physics Letters, 1993, 63, 2664-2666.	3.3	22

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199	Angleâ€resolved tunneling between two atomic planes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 182-185.	2.1	5
200	Over 100-bit integrated all-optical memory. SPIE Newsroom, 0, , .	0.1	0