

# Susumu Noda

## List of Publications by Citations

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279  
ext. papers

16,791  
ext. citations

8  
avg, IF

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L-index

#	Paper	IF	Citations
186	High-Q photonic nanocavity in a two-dimensional photonic crystal. <i>Nature</i> , <b>2003</b> , 425, 944-7	50.4	1921
185	Ultra-high-Q photonic double-heterostructure nanocavity. <i>Nature Materials</i> , <b>2005</b> , 4, 207-210	27	973
184	Full three-dimensional photonic bandgap crystals at near-infrared wavelengths. <i>Science</i> , <b>2000</b> , 289, 604-608	33.3	874
183	Trapping and emission of photons by a single defect in a photonic bandgap structure. <i>Nature</i> , <b>2000</b> , 407, 608-10	50.4	833
182	Spontaneous-emission control by photonic crystals and nanocavities. <i>Nature Photonics</i> , <b>2007</b> , 1, 449-458	33.9	675
181	Coherent two-dimensional lasing action in surface-emitting laser with triangular-lattice photonic crystal structure. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 316-318	3.4	487
180	Polarization mode control of two-dimensional photonic crystal laser by unit cell structure design. <i>Science</i> , <b>2001</b> , 293, 1123-5	33.3	452
179	Fine-tuned high-Q photonic-crystal nanocavity. <i>Optics Express</i> , <b>2005</b> , 13, 1202-14	3.3	353
178	Waveguides and waveguide bends in two-dimensional photonic crystal slabs. <i>Physical Review B</i> , <b>2000</b> , 62, 4488-4492	3.3	309
177	Watt-class high-power, high-beam-quality photonic-crystal lasers. <i>Nature Photonics</i> , <b>2014</b> , 8, 406-411	33.9	261
176	GaN photonic-crystal surface-emitting laser at blue-violet wavelengths. <i>Science</i> , <b>2008</b> , 319, 445-7	33.3	257
175	Photonic devices based on in-plane hetero photonic crystals. <i>Science</i> , <b>2003</b> , 300, 1537	33.3	220
174	Conversion of broadband to narrowband thermal emission through energy recycling. <i>Nature Photonics</i> , <b>2012</b> , 6, 535-539	33.9	194
173	Photonics: lasers producing tailored beams. <i>Nature</i> , <b>2006</b> , 441, 946	50.4	183
172	Dynamic control of the Q factor in a photonic crystal nanocavity. <i>Nature Materials</i> , <b>2007</b> , 6, 862-5	27	181
171	Multidirectionally distributed feedback photonic crystal lasers. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	174
170	Strong coupling between distant photonic nanocavities and its dynamic control. <i>Nature Photonics</i> , <b>2012</b> , 6, 56-61	33.9	173

169	Applied physics. Seeking the ultimate nanolaser. <i>Science</i> , <b>2006</b> , 314, 260-1	33.3	166
168	Analysis of the experimental Q factors (~ 1 million) of photonic crystal nanocavities. <i>Optics Express</i> , <b>2006</b> , 14, 1996-2002	3.3	165
167	Analytical perspective for bound states in the continuum in photonic crystal slabs. <i>Physical Review Letters</i> , <b>2014</b> , 113, 037401	7.4	163
166	A micrometre-scale Raman silicon laser with a microwatt threshold. <i>Nature</i> , <b>2013</b> , 498, 470-4	50.4	155
165	Highly confined waveguides and waveguide bends in three-dimensional photonic crystal. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 3739-3741	3.4	150
164	Photonic crystal nanocavity with a Q-factor of ~9 million. <i>Optics Express</i> , <b>2014</b> , 22, 916-24	3.3	140
163	Wider bandwidth with high transmission through waveguide bends in two-dimensional photonic crystal slabs. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 1698-1700	3.4	139
162	On-chip beam-steering photonic-crystal lasers. <i>Nature Photonics</i> , <b>2010</b> , 4, 447-450	33.9	135
161	Room temperature continuous wave operation of a surface-emitting two-dimensional photonic crystal diode laser. <i>Optics Express</i> , <b>2004</b> , 12, 1562-8	3.3	122
160	Surface-emitting channel drop filters using single defects in two-dimensional photonic crystal slabs. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 2690-2692	3.4	114
159	Theoretical investigation of a two-dimensional photonic crystal slab with truncated cone air holes. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1661-1663	3.4	112
158	In-plane-type channel drop filter in a two-dimensional photonic crystal slab. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 2226-2228	3.4	110
157	Investigation of high-Q channel drop filters using donor-type defects in two-dimensional photonic crystal slabs. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 1512-1514	3.4	102
156	Photonic crystal nanocavity with a Q factor exceeding eleven million. <i>Optics Express</i> , <b>2017</b> , 25, 1769-1777	3.3	100
155	Optical properties of three-dimensional photonic crystals based on III-V semiconductors at infrared to near-infrared wavelengths. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 905-907	3.4	100
154	Design of Photonic Crystal Nanocavity With Q-Factor of $\sim 10^9$ . <i>Journal of Lightwave Technology</i> , <b>2008</b> , 26, 1532-1539	4	95
153	Ultrahigh-Q Nanocavities in Two-Dimensional Photonic Crystal Slabs. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2006</b> , 12, 1123-1134	3.8	93
152	Compositional inhomogeneity and immiscibility of a GaInN ternary alloy. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 906-908	3.4	90

151	Demonstration of two-dimensional photonic crystals based on silicon carbide. <i>Optics Express</i> , <b>2011</b> , 19, 11084-9	3-3	83
150	Design of a channel drop filter by using a donor-type cavity with high-quality factor in a two-dimensional photonic crystal slab. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1341-1343	3-4	83
149	Statistical studies of photonic heterostructure nanocavities with an average Q factor of three million. <i>Optics Express</i> , <b>2011</b> , 19, 11916-21	3-3	78
148	Partially disordered photonic-crystal thin films for enhanced and robust photovoltaics. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 181110	3-4	77
147	Optimization of photonic crystal nanocavities based on deep learning. <i>Optics Express</i> , <b>2018</b> , 26, 32704-32717	3-3	77
146	Lasing band-edge identification for a surface-emitting photonic crystal laser. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2005</b> , 23, 1335-1340	14-2	76
145	Effects of fluctuation in air hole radii and positions on optical characteristics in photonic crystal heterostructure nanocavities. <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	74
144	Alignment and stacking of semiconductor photonic bandgaps by wafer-fusion. <i>Journal of Lightwave Technology</i> , <b>1999</b> , 17, 1948-1955	4	68
143	Two-dimensional photonic-crystal-slab channeldrop filter with flat-top response. <i>Optics Express</i> , <b>2005</b> , 13, 2512-30	3-3	67
142	Realization of three-dimensional guiding of photons in photonic crystals. <i>Nature Photonics</i> , <b>2013</b> , 7, 133-139	3-3	66
141	Double-lattice photonic-crystal resonators enabling high-brightness semiconductor lasers with symmetric narrow-divergence beams. <i>Nature Materials</i> , <b>2019</b> , 18, 121-128	27	63
140	Three-dimensional coupled-wave model for square-lattice photonic crystal lasers with transverse electric polarization: A general approach. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	62
139	Highly efficient in-plane channel drop filter in a two-dimensional heterophotonic crystal. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 241101	3-4	60
138	Single-peak narrow-bandwidth mid-infrared thermal emitters based on quantum wells and photonic crystals. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 191110	3-4	58
137	Second-harmonic generation in a silicon-carbide-based photonic crystal nanocavity. <i>Optics Letters</i> , <b>2014</b> , 39, 1768-71	3	57
136	Higher-order vector beams produced by photonic-crystal lasers. <i>Optics Express</i> , <b>2011</b> , 19, 11963-8	3-3	56
135	Three-dimensional coupled-wave analysis for square-lattice photonic crystal surface emitting lasers with transverse-electric polarization: finite-size effects. <i>Optics Express</i> , <b>2012</b> , 20, 15945-61	3-3	53
134	Experimental demonstration of complete photonic band gap in two-dimensional photonic crystal slabs. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 061107	3-4	52

133	Silicon carbide-based photonic crystal nanocavities for ultra-broadband operation from infrared to visible wavelengths. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 201102	3.4	49
132	Recent Progresses and Future Prospects of Two- and Three-Dimensional Photonic Crystals. <i>Journal of Lightwave Technology</i> , <b>2006</b> , 24, 4554-4567	4	46
131	Near-infrared-to-visible highly selective thermal emitters based on an intrinsic semiconductor. <i>Science Advances</i> , <b>2016</b> , 2, e1600499	14.3	46
130	Photonic-Crystal Surface-Emitting Lasers: Review and Introduction of Modulated-Photonic Crystals. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 1-7	3.8	44
129	Time-domain measurement of picosecond light-pulse propagation in a two-dimensional photonic crystal-slab waveguide. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 4690-4692	3.4	43
128	Ultrahigh-Q photonic crystal nanocavities based on 4H silicon carbide. <i>Optica</i> , <b>2019</b> , 6, 991	8.6	42
127	Multichannel add/drop filter based on in-plane hetero photonic Crystals. <i>Journal of Lightwave Technology</i> , <b>2005</b> , 23, 1449-1455	4	41
126	Accurate alignment of a photonic crystal nanocavity with an embedded quantum dot based on optical microscopic photoluminescence imaging. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 011110	3.4	39
125	Analysis of coupling between two-dimensional photonic crystal waveguide and external waveguide. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3729-3731	3.4	38
124	Coupled-wave model for square-lattice two-dimensional photonic crystal with transverse-electric-like mode. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 021101	3.4	35
123	Role of interfaces in heterophotonic crystals for manipulation of photons. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	35
122	Characterization of line-defect-waveguide lasers in two-dimensional photonic-crystal slabs. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 5395-5397	3.4	35
121	Coupled-Wave Theory for Square-Lattice Photonic Crystal Lasers With TE Polarization. <i>IEEE Journal of Quantum Electronics</i> , <b>2010</b> , 46, 788-795	2	34
120	On-demand transfer of trapped photons on a chip. <i>Science Advances</i> , <b>2016</b> , 2, e1501690	14.3	31
119	Improvement in the quality factors for photonic crystal nanocavities via visualization of the leaky components. <i>Optics Express</i> , <b>2016</b> , 24, 9541-9	3.3	31
118	Investigation of a channel-add/drop-filtering device using acceptor-type point defects in a two-dimensional photonic-crystal slab. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 407-409	3.4	30
117	Investigation of short wavelength intersubband transitions in InGaAs/AlAs quantum wells on GaAs substrate. <i>Journal of Applied Physics</i> , <b>1997</b> , 82, 3385-3391	2.5	29
116	Suppression of multiple photon absorption in a SiC photonic crystal nanocavity operating at 1.55 $\mu\text{m}$ . <i>Optics Express</i> , <b>2012</b> , 20, 14789-96	3.3	27

115	Ultra-high-Q photonic crystal nanocavities in wide optical telecommunication bands. <i>Optics Express</i> , <b>2012</b> , 20, 22743-52	3-3	27
114	Pump-probe measurement of ultrafast all-optical modulation based on intersubband transition in n-doped quantum wells. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 19-21	3-4	27
113	Dynamic wavelength tuning of channel-drop device in two-dimensional photonic crystal slab. <i>Electronics Letters</i> , <b>2005</b> , 41, 37	1-1	26
112	Analysis of high-Q photonic crystal L3 nanocavities designed by visualization of the leaky components. <i>Optics Express</i> , <b>2017</b> , 25, 367-376	3-3	25
111	Spectrally selective thermal radiation based on intersubband transitions and photonic crystals. <i>Optics Express</i> , <b>2009</b> , 17, 19190-203	3-3	24
110	Impact of nonpolar AlGaIn quantum wells on deep ultraviolet laser diodes. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 043115	2-5	23
109	Ultra-compact 32-channel drop filter with 100 GHz spacing. <i>Optics Express</i> , <b>2014</b> , 22, 4692-8	3-3	22
108	High-Q resonant modes in a photonic crystal heterostructure nanocavity and applicability to a Raman silicon laser. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	22
107	Controlling vertical optical confinement in two-dimensional surface-emitting photonic-crystal lasers by shape of air holes. <i>Optics Express</i> , <b>2008</b> , 16, 18485-94	3-3	22
106	Observation of ultrafast all-optical modulation based on intersubband transition in n-doped quantum wells by using free electron laser. <i>Applied Physics Letters</i> , <b>1996</b> , 69, 4136-4138	3-4	22
105	Raman shift and strain effect in high-Q photonic crystal silicon nanocavity. <i>Optics Express</i> , <b>2015</b> , 23, 39513-9	3-3	21
104	Ultra-high-Q photonic crystal nanocavities fabricated by CMOS process technologies. <i>Optics Express</i> , <b>2017</b> , 25, 18165-18174	3-3	21
103	Glass-embedded two-dimensional silicon photonic crystal devices with a broad bandwidth waveguide and a high quality nanocavity. <i>Optics Express</i> , <b>2010</b> , 18, 19361-6	3-3	21
102	High-Precision Alignment and Bonding System for the Fabrication of 3-D Nanostructures. <i>Journal of Microelectromechanical Systems</i> , <b>2007</b> , 16, 1140-1144	2-5	21
101	Analysis of a line-defect waveguide on a silicon-on-insulator two-dimensional photonic-Crystal slab. <i>Journal of Lightwave Technology</i> , <b>2004</b> , 22, 2787-2792	4	21
100	Iterative optimization of photonic crystal nanocavity designs by using deep neural networks. <i>Nanophotonics</i> , <b>2019</b> , 8, 2243-2256	6-3	21
99	Higher-order resonant modes in a photonic heterostructure nanocavity. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 241910	3-4	20
98	Phase-shift effect on a two-dimensional surface-emitting photonic-crystal laser. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 111113	3-4	20

97	Photonic crystal microcrystalline silicon solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2015</b> , 23, 1475-1483	6.8	19
96	Symmetrically glass-clad photonic crystal nanocavities with ultrahigh quality factors. <i>Optics Letters</i> , <b>2011</b> , 36, 91-3	3	19
95	Resonant-Wavelength Control of Nanocavities by Nanometer-Scaled Adjustment of Two-Dimensional Photonic Crystal Slab Structures. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 532-534	2.2	19
94	Three-dimensional photonic crystals based on double-angled etching and wafer-fusion techniques. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 123106	3.4	19
93	Controlled spontaneous-emission phenomena in semiconductor slabs with a two-dimensional photonic bandgap. <i>Journal of Optics</i> , <b>2006</b> , 8, S131-S138		18
92	High-Efficiency Thermophotovoltaic System That Employs an Emitter Based on a Silicon Rod-Type Photonic Crystal. <i>ACS Photonics</i> , <b>2020</b> , 7, 80-87	6.3	18
91	Experimental Demonstration of Quasi-resonant Absorption in Silicon Thin Films for Enhanced Solar Light Trapping. <i>ACS Photonics</i> , <b>2014</b> , 1, 304-309	6.3	17
90	Air-Hole Retained Growth by Molecular Beam Epitaxy for Fabricating GaAs-Based Photonic-Crystal Lasers. <i>Applied Physics Express</i> , <b>2013</b> , 6, 042002	2.4	17
89	Needle-like focus generation by radially polarized halo beams emitted by photonic-crystal ring-cavity laser. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 221103	3.4	17
88	Dually modulated photonic crystals enabling high-power high-beam-quality two-dimensional beam scanning lasers. <i>Nature Communications</i> , <b>2020</b> , 11, 3487	17.4	17
87	Fabrication of photonic crystal structures by tertiary-butyl arsine-based metal-organic vapor-phase epitaxy for photonic crystal lasers. <i>Applied Physics Express</i> , <b>2016</b> , 9, 062702	2.4	16
86	Green GaInN photonic-crystal light-emitting diodes with small surface recombination effect. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 181104	3.4	16
85	Photonic-crystal lasers with two-dimensionally arranged gain and loss sections for high-peak-power short-pulse operation. <i>Nature Photonics</i> , <b>2021</b> , 15, 311-318	33.9	16
84	On-chip integration and high-speed switching of multi-wavelength narrowband thermal emitters. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 091101	3.4	16
83	Reduction in surface recombination and enhancement of light emission in silicon photonic crystals treated by high-pressure water-vapor annealing. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 121111	3.4	15
82	Mode stability in photonic-crystal surface-emitting lasers with large QDL. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 021102	3.4	14
81	Line-defect-waveguide laser integrated with a point defect in a two-dimensional photonic crystal slab. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 171106	3.4	14
80	Carrier relaxation dynamics in an ultrafast all-optical modulator using an intersubband transition. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 4509-4511	3.4	14

79	High-Q-factor nanobeam photonic crystal cavities in bulk silicon carbide. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 231106	3.4	14
78	Photonic Crystal Devices in Silicon Photonics. <i>Proceedings of the IEEE</i> , <b>2018</b> , 106, 2183-2195	14.3	13
77	Tandem photonic-crystal thin films surpassing Lambertian light-trapping limit over broad bandwidth and angular range. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 091121	3.4	13
76	Air-hole design in a vertical direction for high-power two-dimensional photonic-crystal surface-emitting lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 1204	1.7	13
75	Band structure observation of 2D photonic crystal with various V-shaped air-hole arrangements. <i>IEICE Electronics Express</i> , <b>2009</b> , 6, 966-971	0.5	13
74	Lasing Dynamics of Optically-Pumped Ultralow-Threshold Raman Silicon Nanocavity Lasers. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	12
73	Enhancement of photocurrent in ultrathin active-layer photodetecting devices with photonic crystals. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 161103	3.4	12
72	Pump and probe measurement of intersubband relaxation time in short-wavelength intersubband transition. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 1418-1420	3.4	12
71	Strongly asymmetric wavelength dependence of optical gain in nanocavity-based Raman silicon lasers. <i>Optica</i> , <b>2018</b> , 5, 1256	8.6	12
70	Progress in Photonic-Crystal Surface-Emitting Lasers. <i>Photonics</i> , <b>2019</b> , 6, 96	2.2	11
69	Structural Optimization of Photonic Crystals for Enhancing Optical Absorption of Thin Film Silicon Solar Cell Structures. <i>IEEE Photonics Journal</i> , <b>2014</b> , 6, 1-10	1.8	11
68	Implementing a Raman silicon nanocavity laser for integrated optical circuits by using a (100) SOI wafer with a 45-degree-rotated top silicon layer. <i>OSA Continuum</i> , <b>2019</b> , 2, 2098	1.4	11
67	Comprehensive analysis of photonic-crystal surface-emitting lasers via time-dependent three-dimensional coupled-wave theory. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	10
66	Valence band effective mass of non-c-plane nitride heterostructures. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 123105	2.5	10
65	Linearly-Polarized Single-Lobed Beam in a Surface-Emitting Photonic-Crystal Laser. <i>Applied Physics Express</i> , <b>2008</b> , 1, 062002	2.4	10
64	Ultrahigh-Q Photonic Nanocavity Devices on a Dual Thickness SOI Substrate Operating at Both 1.31- and 1.55- $\mu\text{m}$ Telecommunication Wavelength Bands. <i>Laser and Photonics Reviews</i> , <b>2019</b> , 13, 1800258	8.3	10
63	Photonic Crystal Lasers Fabricated by MOVPE Based on Organic Arsenic Source. <i>IEEE Photonics Technology Letters</i> , <b>2017</b> , 29, 1739-1742	2.2	9
62	Characterization of a distributed feedback laser with air/semiconductor gratings embedded by the wafer fusion technique. <i>IEEE Journal of Quantum Electronics</i> , <b>1999</b> , 35, 1277-1283	2	9



61	Electrical Modulation of Narrowband GaN/AlGa <sub>N</sub> Quantum-Well Photonic Crystal Thermal Emitters in Mid-Wavelength Infrared. <i>ACS Photonics</i> , <b>2019</b> , 6, 1565-1571	6.3	8
60	Adiabatic transfer scheme of light between strongly coupled photonic crystal nanocavities. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	8
59	Ultrafast all optical modulation based on intersubband transition in semiconductor quantum wells. <i>Optical and Quantum Electronics</i> , <b>2001</b> , 33, 963-973	2.4	8
58	Integrated Near-Field Thermophotovoltaic Device Overcoming Blackbody Limit. <i>ACS Photonics</i> , <b>2021</b> , 8, 2466-2472	6.3	8
57	Statistical evaluation of Q factors of fabricated photonic crystal nanocavities designed by using a deep neural network. <i>Applied Physics Express</i> , <b>2020</b> , 13, 012002	2.4	7
56	Enhanced radiative recombination rate for electron-hole droplets in a silicon photonic crystal nanocavity. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	7
55	Photonic-crystal lasers with high-quality narrow-divergence symmetric beams and their application to LiDAR. <i>JPhys Photonics</i> , <b>2021</b> , 3, 022006	2.5	7
54	Detrimental Fluctuation of Frequency Spacing Between the Two High-Quality Resonant Modes in a Raman Silicon Nanocavity Laser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2020</b> , 26, 1-12	3.8	7
53	Wavelength-selective thermal emitters using Si-rods on MgO. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 011103	3.4	6
52	Centered-rectangular lattice photonic-crystal surface-emitting lasers. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	6
51	Tuning holes in photonic-crystal nanocavities (reply). <i>Nature</i> , <b>2004</b> , 429, 1-2	50.4	6
50	Ultra-short pulse propagation in 3D GaAs photonic crystals. <i>Optical and Quantum Electronics</i> , <b>2002</b> , 34, 37-43	2.4	6
49	Design of photonic-crystal surface-emitting lasers with enhanced in-plane optical feedback for high-speed operation. <i>Optics Express</i> , <b>2020</b> , 28, 5050-5057	3.3	6
48	Experimental Investigation of Lasing Modes in Double-Lattice Photonic-Crystal Resonators and Introduction of In-Plane Heterostructures. <i>Proceedings of the IEEE</i> , <b>2020</b> , 108, 819-826	14.3	6
47	Fabrication of 3D Photonic Crystals toward Arbitrary Manipulation of Photons in Three Dimensions. <i>Photonics</i> , <b>2016</b> , 3, 36	2.2	6
46	Microcrystalline-Silicon Solar Cells With Photonic Crystals on the Top Surface. <i>IEEE Journal of Photovoltaics</i> , <b>2017</b> , 7, 950-956	3.7	5
45	Demonstration of a mid-wavelength infrared narrowband thermal emitter based on GaN/AlGa <sub>N</sub> quantum wells and a photonic crystal. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 181109	3.4	5
44	High-beam-quality, efficient operation of passively Q-switched Yb:YAG/Cr:YAG laser pumped by photonic-crystal surface-emitting laser. <i>Applied Physics B: Lasers and Optics</i> , <b>2017</b> , 123, 1	1.9	5

43	A Polarization Diversity Two-Dimensional Photonic-Crystal Device. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2010</b> , 16, 70-76	3.8	5
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41	Thermal management for CW operation of large-area double-lattice photonic-crystal lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2020</b> , 37, 3882	1.7	5
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