

# CITATION REPORT

List of articles citing

## Ultra-high-Q photonic double-heterostructure nanocavity

**DOI: 10.1038/nmat1320**

**Nature Materials, 2005, 4, 207-210.**

**Source:** <https://exaly.com/paper-pdf/38213025/citation-report.pdf>

**Version:** 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1184	Elimination of cross-talk in waveguide intersections of triangular lattice photonic crystals. <b>2008</b> , 16, 11399		
1183	Elimination of cross-talk in waveguide intersections of triangular lattice photonic crystals. <b>2008</b> , 16, 11399		
1182	Programmable photonic crystal nanobeam cavities. <b>2010</b> , 18, 8705		
1181	Ultra-compact 32-channel drop filter with 100 GHz spacing. <b>2014</b> , 22, 4692		
1180	Photonic-crystal diplexers for terahertz-wave applications. <b>2016</b> , 24, 7835		
1179	Ultra-compact 32-channel drop filter with 100 GHz spacing. <b>2014</b> , 22, 4692		
1178	References. 558-604		
1177	ST 428-7:2010 - SMPTE Standard - Digital Cinema Distribution Master [Subtitle.		
1176	Optical microcavity based on zero-group-velocity surface modes in photonic crystals. <b>2005</b> ,		
1175	Photonic crystal slabs with ring-shaped holes in a triangular lattice.		1
1174	High-Q microcavities realized in a circular photonic crystal slab. <b>2005</b> , 3, 134-138		10
1173	New designs to confine light. <b>2005</b> , 1, 9-10		12
1172	Progress in the control of the light-matter interaction in semiconductors. <b>2005</b> , 135, 627-637		8
1171	Exciton-polaritons and nanoscale cavities in photonic crystal slabs. <b>2005</b> , 242, 2197-2209		16
1170	A standing-wave meter to measure dispersion and loss of photonic-crystal waveguides. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 261110	3.4	7
1169	Resonant scattering and second-harmonic spectroscopy of planar photonic crystal microcavities. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 221110	3.4	50
1168	Postfabrication fine-tuning of photonic crystal microcavities in InAs/P quantum dot membranes. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 151107	3.4	21

1167	Highly Efficient In-Plane-Type Channel Drop Filter in a Two-Dimensional Heterostructure Photonic Crystal.		
1166	Trapping of Ultrashort Optical Pulse into Ultra-high-Q Photonic Nanocavity.		3
1165	Physics. Control at the quantum level. <b>2005</b> , 308, 1122-3		4
1164	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
1163	Polarization mode converter based on 2D photonic crystal slab. <b>2005</b> ,		1
1162	Energy transfer through laterally confined Bragg mirrors and its impact on pillar microcavities. <b>2005</b> , 41, 1323-1329		19
1161	Photonic crystal heterostructure laser. <b>2005</b> ,		
1160	Scattering Loss of Photonic Crystal Waveguides and Nanocavities Induced by Structural Disorder.		1
1159	SOI-based photonic crystals.		1
1158	Design of photonic band gap nanocavities for stimulated Raman amplification and lasing in monolithic silicon. <i>Optics Express</i> , <b>2005</b> , 13, 4723-30	3-3	25
1157	Efficient design and optimization of photonic crystal waveguides and couplers: The Interface Diffraction Method. <i>Optics Express</i> , <b>2005</b> , 13, 7304-18	3-3	6
1156	Optimization of circular photonic crystal cavities - beyond coupled mode theory. <i>Optics Express</i> , <b>2005</b> , 13, 9272-9	3-3	11
1155	Annular photonic crystals. <i>Optics Express</i> , <b>2005</b> , 13, 10316-26	3-3	85
1154	Disorder-immune confinement of light in photonic-crystal cavities. <i>Optics Letters</i> , <b>2005</b> , 30, 3192-4	3	33
1153	An optical-fiber-based probe for photonic crystal microcavities. <b>2005</b> , 23, 1321-1329		10
1152	Surface-mode microcavity. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 111102	3-4	17
1151	Optical Interconnects. <i>Springer Series in Optical Sciences</i> , <b>2006</b> ,	0.5	65
1150	Wavelength conversion via dynamic refractive index tuning of a cavity. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	123

1149	Integration of fiber-coupled high-Q SiNx microdisks with atom chips. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 131108	3.4	94
1148	Photonic crystal resonant tunneling filters using ultrahigh-Q locally-width-modulated line-defect cavity. <b>2006</b> ,		0
1147	Hybrid quantum repeater based on dispersive CQED interactions between matter qubits and bright coherent light. <i>New Journal of Physics</i> , <b>2006</b> , 8, 184-184	2.9	125
1146	Ultrahigh-Q Nanocavities in Two-Dimensional Photonic Crystal Slabs. <b>2006</b> , 12, 1123-1134		93
1145	Spectral Properties of Photonic Crystal Double-Heterostructure Resonant Cavities. <b>2006</b> ,		
1144	Time-domain response of point-defect cavities in two-dimensional photonic crystal slabs using picosecond light pulse. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 151102	3.4	17
1143	Tuning photonic nanocavities by atomic force microscope nano-oxidation. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 041118	3.4	104
1142	Integration of self-assembled three-dimensional photonic crystals onto structured silicon wafers. <b>2006</b> , 22, 7378-83		34
1141	Photonic crystal slab hetero-structures formed by refractive index variations in chalcogenide glasses. <b>2006</b> ,		0
1140	Loss characterization and surface passivation in silicon microphotronics. <b>2006</b> ,		
1139	Photonic Crystal Devices. <b>2006</b> ,		
1138	Hamiltonian treatment of the electromagnetic field in dispersive and absorptive structured media. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	59
1137	Optomechanical wavelength and energy conversion in high- double-layer cavities of photonic crystal slabs. <b>2006</b> , 97, 023903		90
1136	Vacuum Rabi splitting in semiconductors. <b>2006</b> , 2, 81-90		623
1135	Recent Advances Toward Optical Devices in Semiconductor-Based Photonic Crystals. <b>2006</b> , 94, 997-1023		34
1134	Fast factorization rule and plane-wave expansion method for two-dimensional photonic crystals with arbitrary hole-shape. <b>2006</b> , 73,		46
1133	Tunable Optical Notch Filter Realized by Shifting the Photonic Bandgap in a Silicon Photonic Crystal Line-Defect Waveguide. <b>2006</b> , 18, 2614-2616		13
1132	Ultrahigh-Q photonic crystal nanocavities realized by the local width modulation of a line defect. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 041112	3.4	331

1131	Photonic crystal heterostructures and interfaces. <b>2006</b> , 78, 455-481		176
1130	Spontaneous emergence of periodic patterns in a biologically inspired simulation of photonic structures. <b>2006</b> , 96, 143904		36
1129	Electrically injected quantum-dot photonic crystal microcavity light sources. <i>Optics Letters</i> , <b>2006</b> , 31, 232-4	3	13
1128	Ultrahigh-quality photonic crystal cavity in GaAs. <i>Optics Letters</i> , <b>2006</b> , 31, 1229-31	3	37
1127	Nonlinear Fabry-Perot resonator with a silicon photonic crystal waveguide. <i>Optics Letters</i> , <b>2006</b> , 31, 3486-8		11
1126	Propagation in photonic crystal coupled-cavity waveguides with discontinuities in their optical properties. <b>2006</b> , 23, 1442		4
1125	Investigation of optical nonlinearities in an ultra-high-Q Si nanocavity in a two-dimensional photonic crystal slab. <i>Optics Express</i> , <b>2006</b> , 14, 377-86	3-3	104
1124	Self-induced optical modulation of the transmission through a high-Q silicon microdisk resonator. <i>Optics Express</i> , <b>2006</b> , 14, 817-31	3-3	136
1123	Cavity Q, mode volume, and lasing threshold in small diameter AlGaAs microdisks with embedded quantum dots. <i>Optics Express</i> , <b>2006</b> , 14, 1094-105	3-3	122
1122	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
1121	Diamond based photonic crystal microcavities. <i>Optics Express</i> , <b>2006</b> , 14, 3556-62	3-3	77
1120	High resolution three-port filter in two dimensional photonic crystal slabs. <i>Optics Express</i> , <b>2006</b> , 14, 10014-20	3-3	34
1119	Design of high-Q cavities in photonic crystal slab heterostructures by air-holes infiltration. <i>Optics Express</i> , <b>2006</b> , 14, 12451-6	3-3	49
1118	Recent Progresses and Future Prospects of Two- and Three-Dimensional Photonic Crystals. <b>2006</b> , 24, 4554-4567		46
1117	Coupled-mode theory for stimulated Raman scattering in high- Q/V m silicon photonic band gap nanocavity lasers. <b>2006</b> ,		
1116	The electromagnetic properties of light emission into semiconductor waveguides. <b>2006</b> , 6195, 96		7
1115	Photonic integration for high-density and multifunctionality in the InP-material system. <b>2006</b> ,		2
1114	Role of one-dimensional singularities in the operation of some photonic-crystal based devices. <b>2006</b> , 6128, 126		

1113	Ultrafast all-optical bistability in AlGaAs photonic crystals. <b>2006</b> ,		
1112	Strongly interacting polaritons in coupled arrays of cavities. <b>2006</b> , 2, 849-855		711
1111	Quantum phase transitions of light. <b>2006</b> , 2, 856-861		563
1110	Light does matter. <b>2006</b> , 2, 803-804		22
1109	Photon recycling in FabryPerot micro-cavities based on Si3N4 waveguides. <b>2006</b> , 4, 41-46		4
1108	Enhanced emission of single quantum dot formed by interface fluctuations in photonic-crystal microcavities. <b>2006</b> , 4, 89-93		
1107	Suppressing the effect of disorders using time-reversal symmetry breaking in magneto-optical photonic crystals: An illustration with a four-port circulator. <b>2006</b> , 4, 132-140		38
1106	Optical characterisation of InAs/InP quantum dot photonic cavity membranes. <b>2006</b> , 32, 504-507		4
1105	From modal control to spontaneous emission and gain in photonic crystal waveguides. <b>2006</b> , 4, 1-11		7
1104	Advances in photonic crystals with MEMS and with semiconductor quantum dots. <b>2006</b> , 16, 223-231		2
1103	Microsized optical parametric oscillator in a photonic crystal. <b>2006</b> , 12, 377-382		8
1102	Introducing Defects in 3D Photonic Crystals: State of the Art. <b>2006</b> , 18, 2665-2678		216
1101	Focused ion beam fabrication of one-dimensional photonic crystals on Si3N4/SiO2channel waveguides. <b>2006</b> , 8, S550-S553		7
1100	Broadband Slow Light in a Photonic Crystal Line Defect Waveguide. <b>2006</b> , MD6		0
1099	Photonic crystal and photonic wire nano-photonics based on silicon-on-insulator. <i>New Journal of Physics</i> , <b>2006</b> , 8, 256-256	2.9	10
1098	Photonic crystal multi-channel drop filters based on microstrip lines. <b>2006</b> , 39, 2932-2934		5
1097	Physical origin of the small modal volume of ultra-high-Q photonic double-heterostructure nanocavities. <i>New Journal of Physics</i> , <b>2006</b> , 8, 209-209	2.9	21
1096	Photonic crystals. <b>2006</b> , 49, 177-313		9

1095	Optical properties of the direct-coupled Y-branch filters by using photonic crystal slabs. <b>2006</b> , 15, 2471-2475	8
1094	Applied physics. Waves on the horizon. <b>2006</b> , 313, 1399-400	12
1093	High-quality-factor photonic crystal heterostructure laser. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 101104	3-4 24
1092	Self-optimization of optical confinement in an ultraviolet photonic crystal slab laser. <b>2006</b> , 96, 083905	12
1091	Modified single missing air-hole defects in InAsInP quantum dot membrane photonic crystal microcavities. <b>2006</b> , 24, 791-796	3
1090	Experimental demonstration of high quality factor, x-dipole modes in InAsInP quantum dot photonic crystal microcavity membranes. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 091115	3-4 14
1089	Quality factor control of Si-based two-dimensional photonic crystals with a Bragg mirror. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 091122	3-4 15
1088	Low-loss single-mode terahertz waveguiding using Cytop. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 211119	3-4 24
1087	Investigation of point-defect cavity formed in two-dimensional photonic crystal slab with one-sided dielectric cladding. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 011112	3-4 35
1086	Designing high-Q silicon-on-insulator optical resonators for planar device integration. <b>2006</b> ,	
1085	Achievement of ultrahigh quality factors in GaAs photonic crystal membrane nanocavity. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 221104	3-4 40
1084	Ultra-High-Q Photonic Nanocavity.	
1083	Second order nonlinear mixing of two modes in a planar photonic crystal microcavity. <b>2006</b> ,	
1082	Photonic crystal double-heterostructure nanocavity InAs quantum dot laser with waveguide output coupling. <b>2006</b> ,	
1081	Measuring the role of surface chemistry in silicon microphotronics. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 131134	65
1080	Novel hetero-structures formed by refractive index variations in chalcogenide-based photonic crystal slabs. <b>2006</b> ,	
1079	Spontaneous emission from a two-level atom in a bisphere microcavity. <i>Physical Review A</i> , <b>2006</b> , 74,	2.6 12
1078	Spontaneous emission and photon dynamics in dielectric microcavities. <i>Physical Review A</i> , <b>2006</b> , 74,	2.6 11

1077	Nonadiabatic dynamics of the electromagnetic field and charge carriers in high-Q photonic crystal resonators. <b>2006</b> , 96, 093901		21
1076	Radiation loss of coupled-resonator waveguides in photonic-crystal slabs. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 191114	3-4	14
1075	Observation of micromechanically controlled tuning of photonic crystal line-defect waveguide. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 011104	3-4	18
1074	Quantum gate based on Stark tunable nanocrystal interactions with ultrahigh-Q field modes in fused silica microcavities. <b>2006</b> , 74,		6
1073	Quantum gate for Q switching in monolithic photonic-band-gap cavities containing two-level atoms. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	44
1072	Dynamic control of light by photonic-crystal resonator-waveguide-coupled system. <b>2006</b> ,		1
1071	Visible resonant modes in GaN-based photonic crystal membrane cavities. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 031111	3-4	42
1070	Photonic crystal heterostructure laser with lattice-shifted cavity. <b>2006</b> ,		1
1069	Applied physics. Seeking the ultimate nanolaser. <b>2006</b> , 314, 260-1		166
1068	RECENT ADVANCES IN TWO-DIMENSIONAL PHOTONIC CRYSTALS SLAB STRUCTURE: DEFECT ENGINEERING AND HETEROSTRUCTURE. <b>2007</b> , 02, 1-13		4
1067	Far-field control of the radiative lifetime of an individual optical nanocavity. <b>2007</b> ,		
1066	Group Delay Measurements of High Quality GaAs Photonic Crystal Cavities. <b>2007</b> ,		
1065	Investigation of the optical farfield of photonic crystal microcavities. <b>2007</b> ,		2
1064	Dynamic Control of Light by High-Q Photonic Crystal Nanocavities. <b>2007</b> , WD1		
1063	Transmission Properties of W3 Y-Branch Filters in Two-Dimensional Photonic Crystal Slabs. <b>2007</b> , 24, 2863-2866		3
1062	Four-wave-mixing parametric oscillations in dispersion-compensated high-Q silica microspheres. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	75
1061	Microfluidic photonic crystal double heterostructures. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 121103	3-4	52
1060	Experimental demonstration of second-order processes in photonic crystal microcavities at submilliwatt excitation powers. <b>2007</b> , 76,		45



1059	Optical filter based on two-dimensional photonic crystal surface-mode cavity in amorphous silicon-on-silica structure. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 041108	3-4	16
1058	Light Emission from Quantum Dots embedded in a Photonic Double-Heterostructure Nanocavity. <b>2007</b> ,		
1057	Design of high-Q photonic crystal cavities designed by air-holes infiltration. <b>2007</b> ,		
1056	Mode identification of high-quality-factor single-defect nanocavities in quantum dot-embedded photonic crystals. <b>2007</b> , 101, 073107		35
1055	Light-emission properties of quantum dots embedded in a photonic double-heterostructure nanocavity. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 231101	3-4	25
1054	Random high-Q cavities in disordered photonic crystal waveguides. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 201102	3-4	30
1053	Effective spin systems in coupled microcavities. <b>2007</b> , 99, 160501		148
1052	Photosensitive post-tuning of chalcogenide photonic crystal waveguides. <b>2007</b> ,		
1051	Strong photon nonlinearities and photonic mott insulators. <b>2007</b> , 99, 103601		89
1050	Identification of modes and single mode operation of sapphire-bonded photonic crystal lasers under continuous-wave room temperature operation. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 121116	3-4	10
1049	Nonlinear and bistable behavior of an ultrahigh-Q GaAs photonic crystal nanocavity. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 101118	3-4	46
1048	Tunable optical delay using photonic crystal heterostructure nanocavities. <b>2007</b> , 76,		14
1047	Group delay measurements on photonic crystal resonators. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 151117	3-4	9
1046	60 microWatts of Fiber-Coupled Peak Output Power from an Edge-Emitting Photonic Crystal Heterostructure Laser. <b>2007</b> ,		2
1045	Sidewall Roughness Measurement of Photonic Wires and Photonic Crystals. <b>2007</b> ,		
1044	Digital resonance tuning of high-Q <sub>vm</sub> silicon photonic crystal nanocavities by atomic layer deposition. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 161114	3-4	35
1043	High-Q photonic crystal nanocavities on diamond for quantum electrodynamics. <b>2007</b> , 37, 19-24		9
1042	Radiation loss of coupled-resonator waveguides in photonic-crystal slabs. <b>2007</b> ,		

1041	Quantum Phase Transitions in Coupled Arrays of Cavities. <b>2007</b> ,		
1040	Dynamically-tuned microresonator complexes. <b>2007</b> ,		
1039	Microfluidic photonic crystal nanocavities. <b>2007</b> ,		
1038	High-Q Cavities in Photonic Crystal Slab Heterostructures Formed by Variation in the Refractive Index. <b>2007</b> ,		
1037	High-Q cavities in photosensitive photonic crystals. <i>Optics Letters</i> , <b>2007</b> , 32, 542-4	3	39
1036	Edge-emitting photonic crystal double-heterostructure nanocavity lasers with InAs quantum dot active material. <i>Optics Letters</i> , <b>2007</b> , 32, 1153-5	3	20
1035	Spontaneous emission in coupled microcavity-waveguide structures at the band edge. <i>Optics Letters</i> , <b>2007</b> , 32, 1527-9	3	7
1034	Splitting of microcavity degenerate modes in rotating photonic crystals. <i>The miniature optical gyroscopes</i> . <b>2007</b> , 24, 142		25
1033	Optical microcavities based on surface modes in two-dimensional photonic crystals and silicon-on-insulator photonic crystals. <b>2007</b> , 24, 1225		14
1032	Coupled photonic crystal heterostructure nanocavities. <i>Optics Express</i> , <b>2007</b> , 15, 1228-33	3-3	62
1031	Photosensitive post tuning of chalcogenide photonic crystal waveguides. <i>Optics Express</i> , <b>2007</b> , 15, 1277-85	3-3	49
1030	Optical microfiber coil resonator refractometric sensor. <i>Optics Express</i> , <b>2007</b> , 15, 7888-93	3-3	184
1029	Room temperature lasing of InAs/GaAs quantum dots in the whispering gallery modes of a silica microsphere. <i>Optics Express</i> , <b>2007</b> , 15, 10052-60	3-3	4
1028	Emission spectrum of electromagnetic energy stored in a dynamically perturbed optical microcavity. <i>Optics Express</i> , <b>2007</b> , 15, 11472-80	3-3	24
1027	High-Q nanocavity with a 2-ns photon lifetime. <i>Optics Express</i> , <b>2007</b> , 15, 17206-13	3-3	130
1026	Near-field imaging and frequency tuning of a high-Q photonic crystal membrane microcavity. <i>Optics Express</i> , <b>2007</b> , 15, 17214-20	3-3	32
1025	Reconfigurable microfiber-coupled photonic crystal resonator. <i>Optics Express</i> , <b>2007</b> , 15, 17241-7	3-3	14
1024	High-Q cavities in multilayer photonic crystal slabs. <i>Optics Express</i> , <b>2007</b> , 15, 17248-53	3-3	33

1023	Ultra-high-Q three-dimensional photonic crystal nano-resonators. <i>Optics Express</i> , <b>2007</b> , 15, 17254-63	3-3	17
1022	Photonic-Crystal Heterostructure Waveguides. <b>2007</b> , 43, 78-84		21
1021	Experimental observation of strong photon localization in disordered photonic crystal waveguides. <b>2007</b> , 99, 253901		157
1020	Photonic-Crystal-Based Chip-Scale Optical Integration. <b>2007</b> ,		
1019	Optical characterization of silicon on insulator photonic crystal nanocavities infiltrated with colloidal PbS quantum dots. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 233111	3-4	13
1018	Engineering the quality factors of coupled-cavity modes in photonic crystal slabs. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 183121	3-4	26
1017	Observation of femtojoule optical bistability involving Fano resonances in high-Q $\mu\text{m}$ silicon photonic crystal nanocavities. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 051113	3-4	78
1016	Heterostructures in two-dimensional photonic-crystal slabs and their application to nanocavities. <b>2007</b> , 40, 2629-2634		16
1015	Advanced Optical Components. <b>2007</b> , 419-502		3
1014	Nanowire-Photonic Crystal Waveguide Hybrid Structure. <b>2007</b> ,		
1013	Microfluidic cavities in photonic crystal waveguides. <b>2007</b> ,		
1012	Influence of proximity effects in electron-beam lithography on the optical properties of planar photonic-crystal waveguides. <b>2007</b> , 102, 083110		6
1011	Photonic crystals (PC) in diamond: Cavity Q [Mode volume influence on the design. <b>2007</b> ,		
1010	High-Q Photonic Crystal Nanocavities. <b>2007</b> ,		
1009	Photonic module: An on-demand resource for photonic entanglement. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	58
1008	Quantum information processing using frequency control of impurity spins in diamond. <b>2007</b> , 76,		13
1007	Reconfigurable Photonic Crystal Laser. <b>2007</b> ,		
1006	High-Q Photonic Crystal Cavities. <b>2007</b> ,		

1005	Single point defect photonic crystal nanocavity with ultrahigh quality factor achieved by using hexapole mode. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 021110	3-4	37
1004	Impact of Lithographic Grid Irregularity Assessed on Photonic Crystal Device Selectivity. <b>2007</b> , 19, 282-284		8
1003	Photonic Crystal Cavity Lasers Patterned by a Combination of Holography and Photolithography. <b>2007</b> , 19, 556-558		5
1002	Numerical Study of Impulsive Switching of Bistable States in Nonlinear Etalons. <b>2007</b> , 19, 913-915		2
1001	Influence of a single quantum dot state on the characteristics of a microdisk laser. <b>2007</b> , 98, 117401		67
1000	. <b>2007</b> ,		
999	Photon-blockade-induced Mott transitions and XY spin models in coupled cavity arrays. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	440
998	Fine-tuning of GaAs photonic crystal cavities by digital etching. <b>2007</b> , 84, 1405-1407		8
997	A proposal for the implementation of quantum gates with photonic-crystal waveguides. <b>2007</b> , 362, 377-380		38
996	Periodic nanostructures for photonics. <b>2007</b> , 444, 101-202		305
995	Linear and nonlinear effects of light propagation in low-index photonic crystal slabs. <b>2007</b> , 204, 3689-3707		5
994	Dispersive properties of photonic crystal waveguide resonators. <b>2007</b> , 204, 3727-3738		1
993	Light-matter interaction in photonic crystal slabs. <b>2007</b> , 244, 3528-3539		36
992	Dynamic control of the Q factor in a photonic crystal nanocavity. <i>Nature Materials</i> , <b>2007</b> , 6, 862-5	27	181
991	Trapping and delaying photons for one nanosecond in an ultrasmall high-Q photonic-crystal nanocavity. <i>Nature Photonics</i> , <b>2007</b> , 1, 49-52	33-9	273
990	Integrated optofluidics: A new river of light. <i>Nature Photonics</i> , <b>2007</b> , 1, 106-114	33-9	733
989	Spontaneous-emission control by photonic crystals and nanocavities. <i>Nature Photonics</i> , <b>2007</b> , 1, 449-458	33-9	675
988	Organic acquisition. <i>Nature Photonics</i> , <b>2007</b> , 1, 567-568	33-9	3

987	Cavities lead the way. <i>Nature Photonics</i> , <b>2007</b> , 1, 565-567	33.9	17
986	Trapping, corralling and spectral bonding of optical resonances through optically induced potentials. <i>Nature Photonics</i> , <b>2007</b> , 1, 658-665	33.9	106
985	Semiconductor quantum light sources. <i>Nature Photonics</i> , <b>2007</b> , 1, 215-223	33.9	637
984	Changing the colour of light in a silicon resonator. <i>Nature Photonics</i> , <b>2007</b> , 1, 293-296	33.9	176
983	Nano-Optomechanical Characterization and Manipulation of Photonic Crystals. <b>2007</b> , 13, 253-261		13
982	Investigation of the Purcell effect in photonic crystal cavities with a 3D Finite Element Maxwell Solver. <b>2007</b> , 39, 341-352		21
981	Stimulated Raman amplification and lasing in silicon photonic band gap nanocavities. <b>2007</b> , 133, 278-282		3
980	Nano-manipulation of confined electromagnetic fields with a near-field probe. <b>2008</b> , 9, 24-30		3
979	Quantenpunkte als Photonenquellen. <i>Photonische Kristalle</i> . <b>2008</b> , 39, 71-76		
978	Ultrafast photonic crystal lasers. <b>2008</b> , 2, 264-274		49
977	Photon confinement in photonic crystal nanocavities. <b>2008</b> , 2, 514-526		119
976	Quantum many-body phenomena in coupled cavity arrays. <b>2008</b> , 2, 527-556		354
975	Single-Crystal Semiconductor Wires Integrated into Microstructured Optical Fibers. <b>2008</b> , 20, 1135-1140		32
974	Enhancing the radiative decay rate of fluorescent organic molecules using micropillar microcavities and optical nanocavities. <b>2008</b> , 149, 266-269		4
973	Two-dimensional photonic crystals with pure germanium-on-insulator. <i>Optics Communications</i> , <b>2008</b> , 281, 846-850	2	27
972	Germanium-based nanophotonic devices: Two-dimensional photonic crystals and cavities. <b>2008</b> , 517, 121-124		12
971	Chalcogenide glass photonic crystals. <b>2008</b> , 6, 3-11		35
970	A microcavity-controlled, current-driven, on-chip nanotube emitter at infrared wavelengths. <b>2008</b> , 3, 609-13		75

969	Embedded cavities and waveguides in three-dimensional silicon photonic crystals. <i>Nature Photonics</i> , <b>2008</b> , 2, 52-56	33.9	234
968	Coupling of quantum-dot light emission with a three-dimensional photonic-crystal nanocavity. <i>Nature Photonics</i> , <b>2008</b> , 2, 688-692	33.9	142
967	Large-scale arrays of ultrahigh-Q coupled nanocavities. <i>Nature Photonics</i> , <b>2008</b> , 2, 741-747	33.9	315
966	. <b>2008</b> , 14, 1090-1097		44
965	Photonic crystal microcavity lasers. <b>2008</b> ,		1
964	Precise Frequency Spacing in Photonic Crystal DFB Laser Arrays. <b>2008</b> , 20, 2120-2122		10
963	Resonant-Wavelength Control of Nanocavities by Nanometer-Scaled Adjustment of Two-Dimensional Photonic Crystal Slab Structures. <b>2008</b> , 20, 532-534		19
962	Study of local dispersion in photonic crystal waveguide interfaces and hetero-structures. <b>2008</b> ,		
961	Photonic crystal cavity based gas sensor. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 261112	3.4	91
960	Silicon photonics. <b>2008</b> , 381-429		5
959	Cavity Quantum Electrodynamics with Semiconductor Quantum Dots. <b>2008</b> , 132-164		
958	Photonic Crystals. <b>2008</b> ,		1
957	High-Q microfluidic cavities in silicon-based two-dimensional photonic crystal structures. <i>Optics Letters</i> , <b>2008</b> , 33, 2206-8	3	41
956	Nonclassical light generation by a photonic-crystal one-atom laser. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	11
955	Strong exciton-photon coupling in semiconductor quantum dot systems. <b>2008</b> , 23, 123001		50
954	Design of Photonic Crystal Nanocavity With $Q$ -Factor of $\sim 10^9$ . <b>2008</b> , 26, 1532-1539		95
953	Local infiltration of planar photonic crystals with UV-curable polymers. <b>2008</b> , 25, 1562		26
952	A near-field actuated optical nanocavity. <i>Optics Express</i> , <b>2008</b> , 16, 279-86	3.3	13

951	Design of photonic crystal microcavities in diamond films. <i>Optics Express</i> , <b>2008</b> , 16, 1632-44	3-3	43
950	Ultra-high-Q photonic crystal cavity created by modulating air hole radius of a waveguide. <i>Optics Express</i> , <b>2008</b> , 16, 4605-14	3-3	32
949	Terahertz quantum cascade lasers based on two-dimensional photonic crystal resonators. <i>Optics Express</i> , <b>2008</b> , 16, 5206-17	3-3	47
948	Towards a picosecond transform-limited nitrogen-vacancy based single photon source. <i>Optics Express</i> , <b>2008</b> , 16, 6240-50	3-3	62
947	Photonic crystal alloys: a new twist in controlling photonic band structure properties. <i>Optics Express</i> , <b>2008</b> , 16, 6579-85	3-3	5
946	Quality factor of Si-based photonic crystal L3 nanocavities probed with an internal source. <i>Optics Express</i> , <b>2008</b> , 16, 8780-91	3-3	41
945	Electromagnetic modeling of active silicon nanocrystal waveguides. <i>Optics Express</i> , <b>2008</b> , 16, 8792-9	3-3	10
944	Systematic errors for a Mueller matrix dual rotating compensator ellipsometer. <i>Optics Express</i> , <b>2008</b> , 16, 8814-24	3-3	33
943	Magnetically tunable negative permeability metamaterial composed by split ring resonators and ferrite rods. <i>Optics Express</i> , <b>2008</b> , 16, 8825-34	3-3	72
942	Porous fibers: a novel approach to low loss THz waveguides. <i>Optics Express</i> , <b>2008</b> , 16, 8845-54	3-3	149
941	Scale-variant magnification for computational integral imaging and its application to 3D object correlator. <i>Optics Express</i> , <b>2008</b> , 16, 8855-67	3-3	28
940	Improvement of viewing angle and pixel contrast ratio in green top-emitting organic light-emitting devices. <i>Optics Express</i> , <b>2008</b> , 16, 8868-75	3-3	6
939	Decrease of pulse-contrast in nonlinear chirped-pulse amplification systems due to high-frequency spectral phase ripples. <i>Optics Express</i> , <b>2008</b> , 16, 8876-86	3-3	35
938	Influence of substrates in ZnO devices on the surface plasmon enhanced light emission. <i>Optics Express</i> , <b>2008</b> , 16, 8896-901	3-3	20
937	Gradient-index optical filter synthesis with controllable and predictable refractive index profiles: erratum. <i>Optics Express</i> , <b>2008</b> , 16, 8902	3-3	
936	Spectral properties of photonic crystal double heterostructure resonant cavities. <i>Optics Express</i> , <b>2008</b> , 16, 9391-7	3-3	13
935	Ultra-high-Q nanocavity with 1D photonic gap. <i>Optics Express</i> , <b>2008</b> , 16, 11095-102	3-3	175
934	Elimination of cross-talk in waveguide intersections of triangular lattice photonic crystals. <i>Optics Express</i> , <b>2008</b> , 16, 11399-404	3-3	9

933	Optimization of photonic crystal cavity for chemical sensing. <i>Optics Express</i> , <b>2008</b> , 16, 11709-17	3-3	71
932	Design of a high-Q air-slot cavity based on a width-modulated line-defect in a photonic crystal slab. <i>Optics Express</i> , <b>2008</b> , 16, 13809-17	3-3	63
931	Reconfigurable microfluidic photonic crystal slab cavities. <i>Optics Express</i> , <b>2008</b> , 16, 15887-96	3-3	53
930	Double-heterostructure photonic crystal lasers with lower thresholds and higher slope efficiencies obtained by quantum well intermixing. <i>Optics Express</i> , <b>2008</b> , 16, 17342-7	3-3	15
929	Ultra-high quality factor optical resonators based on semiconductor nanowires. <i>Optics Express</i> , <b>2008</b> , 16, 17400-9	3-3	38
928	Photon emission by nanocavity-enhanced quantum anti-Zeno effect in solid-state cavity quantum-electrodynamics. <i>Optics Express</i> , <b>2008</b> , 16, 18067-81	3-3	59
927	On-demand ultrahigh-Q cavity formation and photon pinning via dynamic waveguide tuning. <i>Optics Express</i> , <b>2008</b> , 16, 18657-66	3-3	43
926	Optical gap formation and localization properties of optical modes in deterministic aperiodic photonic structures. <i>Optics Express</i> , <b>2008</b> , 16, 18813-26	3-3	40
925	Design of a silicon nitride photonic crystal nanocavity with a Quality factor of one million for coupling to a diamond nanocrystal. <i>Optics Express</i> , <b>2008</b> , 16, 19136-45	3-3	158
924	Gamma-Mu waveguides in two-dimensional triangular-lattice photonic crystal slabs. <i>Optics Express</i> , <b>2008</b> , 16, 21483-91	3-3	15
923	Dynamic increase and decrease of photonic crystal nanocavity Q factors for optical pulse control. <i>Optics Express</i> , <b>2008</b> , 16, 21721-30	3-3	23
922	Scheme for in-plane pumping of a photonic crystal heterostructure cavity. <b>2008</b> ,		0
921	Extension of Coupled Mode Analysis to Infinite Photonic Superlattices. <b>2008</b> , 44, 826-833		6
920	Design and Optimization of High- $Q$ Surface Mode Cavities on Patterned Metallic Surfaces. <b>2008</b> , 44, 905-910		6
919	TM-like and TE-like Modes Coupling in a Two-Dimensional Photonic Crystal Slab Composed of Truncated Cone Silicon Rods. <b>2008</b> , 25, 2089-2092		2
918	A statistical approach for measuring dislocations in 2D photonic crystals. <b>2008</b> ,		1
917	Cavity enhancement of a Nitrogen-Vacancy-based single photon source. <b>2008</b> ,		
916	Nonlinear and adiabatic control of light in a photonic crystal chip. <b>2008</b> ,		



915 Silicon Photonic Crystal Surface Mode Microcavities. **2008,**

914 Deterministic optical quantum computer using photonic modules. *Physical Review A*, **2008**, 78, 2.6 37

913 Modeling of three-dimensional photonic crystal lasers in a frequency domain: A scattering matrix solution. **2008**, 77, 5

912 Photonic crystal technologies. **2008**, 455-483

911 Reproducing spin lattice models in strongly coupled atom-cavity systems. **2008**, 84, 20001 42

910 Fundamental Study on Diamond Spherical Shell Film for Polishing of Concave Spherical Surface. **2008**, 375-376, 380-384

909 Microfluidic cavities in silicon-based photonic crystal slab waveguides. **2008,**

908 Reconfigurable microfluidic photonic crystal cavities. **2008,**

907 Single virus detection from the reactive shift of a whispering-gallery mode. **2008**, 105, 20701-4 497

906 Photonic Crystals: Physics, Fabrication, and Devices. **2008**, 353-426

905 Weaving light-matter qubits into a one way quantum computer. *New Journal of Physics*, **2008**, 10, 023012.9 20

904 Flexible Control of Light Propagation Using a Novel Photonic Crystal Hetero-Waveguide Based on Silicon-on-Insulator Slab. **2008**, 25, 4023-4025

903 The investigation of variation of transmission  $T$  during the improvement of  $Q$  of the 2D photonic crystal microcavities by local field modulation. **2008**, 41, 205108 1

902 Photo-induced cavities in chalcogenide photonic crystals. **2008,**

901 Ultrahigh-Q nanocavity with 1D periodicity. **2008,**

900 Reconfigurable photonic crystal resonator generated from Gaussian photonic potential well. **2008,**

899 Reconfigurable silicon-based photonic crystal components using microfluidics. **2008,**

898 Fabrication, measurement and tuning of a photonic crystal H1-cavity in deeply etched InP/InGaAsP/InP. **2008,**

897	Emission properties of high-Q silicon nitride photonic crystal heterostructure cavities. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 021112	3-4	40
896	Ultrasmall square-lattice zero-cell photonic crystal laser. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 011104	3-4	21
895	Recent Advances in Photonic Devices for Optical Super Computing. <b>2008</b> , 9-32		3
894	Silicon photonic crystal nanostructures for refractive index sensing. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 181103	3-4	85
893	Fabry-Pérot microcavities with controllable resonant wavelengths in periodic dielectric waveguides. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 031110	3-4	6
892	Ultrahigh-Q two-dimensional photonic crystal slab nanocavities in very thin barriers. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 111112	3-4	38
891	High-Q cavities in multilayer photonic crystal slabs. <b>2008</b> ,		
890	High efficiency operation of butt joint line-defect-waveguide microlaser in two-dimensional photonic crystal slab. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 081109	3-4	6
889	Discrete cavity solitons due to saturable nonlinearity. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	25
888	Highly confined mode above the light line in a two-dimensional photonic crystal slab. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 241105	3-4	8
887	Quasimode-projection approach to quantum-dot-photon interactions in photonic-crystal-slab coupled-cavity systems. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	7
886	Higher-order resonant modes in a photonic heterostructure nanocavity. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 241910	3-4	20
885	Transmission spectrum of a double quantum-dot-nanocavity system in photonic crystals. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	4
884	Theory of backward second-harmonic localization in nonlinear left-handed media. <b>2008</b> , 78,		13
883	Slot defect in three-dimensional photonic crystals. <b>2008</b> , 78,		2
882	Far-field control of radiation from an individual optical nanocavity: analogue to an optical dipole. <b>2008</b> , 100, 043902		3
881	Strong radiation force induced in two-dimensional photonic crystal slab cavities. <b>2008</b> , 78,		24
880	Reconfigurable photonic crystal laser. <b>2008</b> ,		

- 879 Designing emission spectra of photonic crystal microcavities. **2008**,
- 878 Disorder-induced high-Q cavities in photonic crystal waveguides. **2008**, 2
- 877 High-Q cavity design in photonic crystal heterostructures. **2008**,
- 876 Linear and Nonlinear Effects of Light Propagation in Low-index Photonic Crystal Slabs. **2008**, 131-155
- 875 Applications of FDTD Analyses to Photonic Crystal Studies. *The Review of Laser Engineering*, **2008**, 36, 614-620 0
- 874 On-chip All-optical Processing Based on Photonic Crystal Nanocavities. **2008**,
- 873 On-Chip All-Optical Switching and Memory by Silicon Photonic Crystal Nanocavities. **2008**, 2008, 1-10 21
- 872 Dispersive Properties of Photonic Crystal Waveguide Resonators. **2008**, 183-198
- 871 ANALYSIS OF 2D PHOTONIC CRYSTAL CAVITIES USING A MULTI-SCATTERING APPROACH BASED ON WEIGHTED BESSEL FUNCTIONS. **2008**, 3, 119-130 1
- 870 Thermo-Optic Stabilization of Optofluidic Photonic Crystal Resonators. **2009**,
- 869 Liquid Crystals into Planar Photonic Crystals. **2009**,
- 868 Resonant Photons in Nanophotonic Quantum Well Heterostructures. **2009**,
- 867 120mW peak output power from edge-emitting photonic crystal double-heterostructure nanocavity lasers. *Applied Physics Letters*, **2009**, 94, 111101 3-4 16
- 866 Photonic crystal heteroslab-edge microcavity with high quality factor surface mode for index sensing. *Applied Physics Letters*, **2009**, 94, 141110 3-4 15
- 865 Photoinduced high-Q cavities in chalcogenide photonic crystals. **2009**,
- 864 Graphene and carbon nanotube photonics. **2009**,
- 863 New trends in photonic crystals. **2009**,
- 862 Ultralow threshold laser action from toroidal polymer microcavity. *Applied Physics Letters*, **2009**, 94, 203302 25

861	Numerical Design of Photonic Crystal Cavity Structure with AlAs/AlO <sub>x</sub> Cladding Layers for Current-Driven Laser Diodes. <b>2009</b> , 48, 112001	7
860	Modified spontaneous emission from laterally injected photonic crystal emitter. <b>2009</b> , 45, 227	20
859	Lateral current injection photonic crystal emitters. <b>2009</b> ,	
858	Photonic band-edge shift in a randomly mixed photonic crystal system. <b>2009</b> ,	
857	A study of plasmonics in metallic photonic quantum wires. <b>2009</b> , 106, 063106	8
856	Selective Oxidation of AlGaAs for Photonic Crystal Laser. <b>2009</b> , 48, 050202	10
855	Inductively coupled plasma etching of GaAs suspended photonic crystal cavities. <b>2009</b> , 27, 1909	13
854	Controlled coupling of nanoparticles to photonic crystal cavities. <b>2009</b> ,	0
853	Generation of multi-atom entangled states and implementation of controlled-phase gating using photonic modules. <b>2009</b> , 42, 055503	4
852	High-Q photonic crystal chalcogenide cavities by photosensitive post processing. <b>2009</b> ,	
851	Directive emission from high-Q photonic crystal cavities through band folding. <b>2009</b> ,	1
850	The designs of 4 $\times$ 4 encoder based on photonic crystals. <b>2009</b> ,	5
849	Manipulation of Photons by Photonic Crystals. <b>2009</b> , 34, 751-755	2
848	Silicon Nanocrystals as an Enabling Material for Silicon Photonics. <b>2009</b> , 97, 1250-1268	62
847	Modal Analysis of Photonic Crystal Double-Heterostructure Laser Cavities. <b>2009</b> , 15, 892-900	14
846	Nanosilicon photonics. <b>2009</b> , 3, 508-534	133
845	Dipole-dipole interaction in nanoscale photonic quantum wells. <b>2009</b> , 206, 956-959	2
844	Hybridization of electron and hole states in semiconductor quantum-dot molecules. <i>Small</i> , <b>2009</b> , 5, 329-35	13

843	A picogram- and nanometre-scale photonic-crystal optomechanical cavity. <b>2009</b> , 459, 550-5		478
842	Ion-sliced lithium niobate thin films for active photonic devices. <b>2009</b> , 31, 1054-1058		87
841	Single-material coupling-tolerant semi-planar microresonator using Littrow diffraction. <b>2009</b> , 7, 115-127		4
840	Slowing down the light for delay lines implementation: Design and performance. <b>2009</b> , 10, 949-956		4
839	Exciton-photon interaction in a quantum dot embedded in a photonic microcavity. <b>2009</b> , 42, 085402		5
838	High-Q terahertz microcavities in silicon photonic crystal slabs. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 154104	3,4	62
837	Control of cavity modes in coupled periodic waveguides. <b>2009</b> ,		
836	Site-selective optical coupling of PbSe nanocrystals to Si-based photonic crystal microcavities. <b>2009</b> , 9, 2849-54		42
835	Optical Force on Dielectric Nanorods Coupled to a High-Q Photonic Crystal Nanocavity. <b>2009</b> , 113, 17170-17175		
834	Full three-dimensional subwavelength high-Q surface-plasmon-polariton cavity. <b>2009</b> , 9, 4078-82		54
833	Steady-state entanglement between hybrid light-matter qubits. <b>2009</b> , 85, 20007		43
832	Effects of fluctuation in air hole radii and positions on optical characteristics in photonic crystal heterostructure nanocavities. <b>2009</b> , 79,		74
831	Directive emission from high-Q photonic crystal cavities through band folding. <b>2009</b> , 79,		78
830	Experimental observation of slow mode dispersion in photonic crystal coupled-cavity waveguides. <i>Optics Letters</i> , <b>2009</b> , 34, 359-61	3	33
829	Transient chirp in high-speed photonic-crystal quantum-dot lasers with controlled spontaneous emission. <i>Optics Letters</i> , <b>2009</b> , 34, 554-6	3	10
828	Nanocavity plasmonic device for ultrabroadband single molecule sensing. <i>Optics Letters</i> , <b>2009</b> , 34, 1087-9		12
827	Controlled coupling of a single-diamond nanocrystal to a photonic crystal cavity. <i>Optics Letters</i> , <b>2009</b> , 34, 1108-10	3	79
826	Wavelength-sized, tunable nanocavity in deeply etched InP/InGaAsP/InP photonic crystals. <i>Optics Letters</i> , <b>2009</b> , 34, 2207-9	3	3

825	Ultraefficient control of light transmission through photonic potential barrier modulation. <i>Optics Letters</i> , <b>2009</b> , 34, 3202-4	3	13
824	Optical filter with very large stopband (approximately 300 nm) based on a photonic-crystal vertical-directional coupler. <i>Optics Letters</i> , <b>2009</b> , 34, 3292-4	3	11
823	Photowritten high-Q cavities in two-dimensional chalcogenide glass photonic crystals. <i>Optics Letters</i> , <b>2009</b> , 34, 3671-3	3	29
822	. <b>2009</b> , 27, 4306-4310		10
821	Microcavity Laser Emissions Based on Double Hetero-Structure by Locally Modulated Photonic Crystal Waveguide. <b>2009</b> , 27, 4394-4400		4
820	A novel ultra-low loss hollow-core waveguide using subwavelength high-contrast gratings. <i>Optics Express</i> , <b>2009</b> , 17, 1508-17	3-3	54
819	Characteristics of dielectric-band modified single-cell photonic crystal lasers. <i>Optics Express</i> , <b>2009</b> , 17, 1679-90	3-3	7
818	Wavelength-scale photonic-crystal laser formed by electron-beam-induced nano-block deposition. <i>Optics Express</i> , <b>2009</b> , 17, 6790-8	3-3	15
817	Hybrid photonic crystal cavity and waveguide for coupling to diamond NV-centers. <i>Optics Express</i> , <b>2009</b> , 17, 9588-601	3-3	78
816	Two-dimensionally relocatable microfiber-coupled photonic crystal resonator. <i>Optics Express</i> , <b>2009</b> , 17, 13009-16	3-3	11
815	Two-dimensional surface emitting photonic crystal laser with hybrid triangular-graphite structure. <i>Optics Express</i> , <b>2009</b> , 17, 15043-51	3-3	19
814	Design and demonstration of high-Q photonic heterostructure nanocavities suitable for integration. <i>Optics Express</i> , <b>2009</b> , 17, 18093-102	3-3	35
813	Spectrally selective thermal radiation based on intersubband transitions and photonic crystals. <i>Optics Express</i> , <b>2009</b> , 17, 19190-203	3-3	24
812	Modeling dispersive coupling and losses of localized optical and mechanical modes in optomechanical crystals. <i>Optics Express</i> , <b>2009</b> , 17, 20078-98	3-3	63
811	Resonant-wavelength tuning of a nanocavity by subnanometer control of a two-dimensional silicon-based photonic crystal slab structure. <b>2009</b> , 48, 4899-903		5
810	Linear transmission properties of a vertically stacked multiring resonator with a defect. <b>2009</b> , 48, G148-55		4
809	Interplay of plasma-induced and fast thermal nonlinearities in a GaAs-based photonic crystal nanocavity. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	39
808	Light scattering and Fano resonances in high-Q photonic crystal nanocavities. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 071101	3-4	175

807	A multiplexed optofluidic biomolecular sensor for low mass detection. <b>2009</b> , 9, 2924-32		119
806	High quality factor photonic crystal nanobeam cavities. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 121106	3-4	335
805	Coupled photonic crystal nanobeam cavities. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 031102	3-4	68
804	Difference between penetration and damping lengths in photonic crystal mirrors. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 211101	3-4	8
803	Interactive hierarchical RSM applied to parameter optimization of photonic crystal nanocavities. <b>2009</b> ,		0
802	Time-resolved observation of stopping optical pulses by dynamic Q control of a photonic-crystal nanocavity. <b>2009</b> ,		
801	Proximity-effect induced limitations on the density of electron-beam patterned planar photonic nanostructures. <b>2009</b> ,		
800	Band structure observation of 2D photonic crystal with various V-shaped air-hole arrangements. <b>2009</b> , 6, 966-971		13
799	Optical Nonlinearities in High-Q Photonic Crystal Nanocavities. <i>The Review of Laser Engineering</i> , <b>2009</b> , 37, 32-37	0	
798	Slow Light Generated by Ultrahigh-Q Nanocavities. <i>The Review of Laser Engineering</i> , <b>2009</b> , 37, 578-584	0	
797	Novel 2D High-Contrast Grating Hollow-Core Waveguide. <b>2009</b> ,		1
796	Design and simulation of nanowire-based high Quality factor nanocavities. <b>2009</b> ,		
795	Dynamic photonic structure for integrated photonics. <b>2010</b> ,		1
794	Ultra-low energy switches based on silicon photonic crystals for on-chip optical interconnects. <b>2010</b> ,		3
793	Waveguide-based optofluidics. <b>2010</b> ,		2
792	Design of a plasmonic photonic crystal for single bio-molecule spectroscopy. <b>2010</b> ,		
791	Advances in III-V based photonic crystals for integrated optical processing. <b>2010</b> ,		2
790	GaAs-based woodpile photonic crystal fabricated by two-directional etching method. <b>2010</b> ,		

789	Manipulating light with strongly modulated photonic crystals. <i>Reports on Progress in Physics</i> , <b>2010</b> , 73, 096501	14.4	245
788	Photonic crystal cavity modes in the visible range characterized by scattering spectroscopy. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	1
787	Scalable preparation of three-atom and four-atom W states via atom-cavity-laser interaction. <i>Optics Communications</i> , <b>2010</b> , 283, 1966-1971	2	1
786	Optimized design for 2 × 10 <sup>6</sup> ultra-high Q silicon photonic crystal cavities. <i>Optics Communications</i> , <b>2010</b> , 283, 4387-4391	2	28
785	Photonic crystal surface mode microcavities. <b>2010</b> , 5, 260-265		2
784	Resonant Tunneling in Photonic Double Quantum Well Heterostructures. <b>2010</b> , 5, 484-488		9
783	Resonant photonic States in coupled heterostructure photonic crystal waveguides. <b>2010</b> , 5, 741-6		3
782	Reconfigurable photonic crystal circuits. <b>2010</b> , 4, 192-204		31
781	Charge stabilized crystalline colloidal arrays as templates for fabrication of non-close-packed inverted photonic crystals. <b>2010</b> , 344, 298-307		25
780	Controlled coupling of NV defect centers to plasmonic and photonic nanostructures. <b>2010</b> , 130, 1628-1634		27
779	Simultaneous effects of laser field and hydrostatic pressure on the intersubband transitions in square and parabolic quantum wells. <b>2010</b> , 374, 1278-1285		40
778	Design of microcavities in diamond-based photonic crystals by Fourier- and real-space analysis of cavity fields. <b>2010</b> , 8, 150-162		8
777	Cavity mode control in side-coupled periodic waveguides: Theory and experiment. <b>2010</b> , 8, 310-317		7
776	Dual-Periodic Photonic Crystal Structures. <b>2010</b> ,		
775	LOCAL DISPERSION OF GUIDING MODES IN PHOTONIC CRYSTAL WAVEGUIDE INTERFACES AND HETERO-STRUCTURES. <b>2010</b> , 26, 39-52		4
774	Two-Dimensional Photonic Crystal Micro-Cavities for Chip-Scale Laser Applications. <b>2010</b> ,		
773	Tunability parameters in SNOM tip mediated tuning of an ultra-high quality heterostructure resonator. <b>2010</b> , 12, 035001		2
772	Chalcogenide glass photonic crystals: progress and prospects. <b>2010</b> ,		2



771	Slow light modes for optical delay lines: 2D photonic crystal-based design structures, performances and challenges. <b>2010</b> , 12, 104005		5
770	Terahertz photonic band gap for the transverse-magnetic modes formed by using a planar waveguide structure with a photonic crystal electrode. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 051110	3-4	1
769	Reversible tuning of photonic crystal cavities using photochromic thin films. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 153303	3-4	23
768	Design and analysis of photonic crystal for performance enhancement of carbon nanotube based infrared sensors. <b>2010</b> ,		
767	Science and Engineering of Photonic Crystals. <b>2010</b> , 271-317		7
766	Quantum computation with doped silicon cavities. <b>2010</b> , 81,		10
765	Semianalytical approach to the design of photonic crystal cavities. <b>2010</b> , 82,		13
764	Optomechanics in an ultrahigh-Q two-dimensional photonic crystal cavity. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 181106	3-4	99
763	Optical resonances created by photonic transitions. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 011108	3-4	4
762	Single-defect photonic crystal cavity laser fabricated by a combination of laser holography and focused ion beam lithography. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 131101	3-4	11
761	Strongly coupled single quantum dot in a photonic crystal waveguide cavity. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 111101	3-4	35
760	Spectroscopy of 1.55 $\mu$ m PbS quantum dots on Si photonic crystal cavities with a fiber taper waveguide. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 161108	3-4	13
759	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
758	Lateral current injection photonic crystal membrane light emitting diodes. <b>2010</b> , 28, 359-364		8
757	Strain sensitivity of a modified single-defect photonic crystal nanocavity for mechanical sensing. <b>2010</b> ,		
756	Demonstration of an air-slot mode-gap confined photonic crystal slab nanocavity with ultrasmall mode volumes. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 051123	3-4	58
755	Photonic crystal cavities in silicon dioxide. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 031107	3-4	47
754	Reflectance measurement of two-dimensional photonic crystal nanocavities with embedded quantum dots. <b>2010</b> , 82,		9

753	Photonic crystal nanobeam cavity strongly coupled to the feeding waveguide. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 203102	3.4	236
752	Design of two-dimensional photonic crystal nanocavities with low-refractive-index material cladding. <b>2010</b> , 12, 015108		4
751	A single-interaction step implementation of a quantum search in coupled micro-cavities. <b>2010</b> , 89, 20005		6
750	Enhanced photoluminescence emission from two-dimensional silicon photonic crystal nanocavities. <i>New Journal of Physics</i> , <b>2010</b> , 12, 053005	2.9	23
749	Analysis of two-dimensional photonic crystal L-type cavities with low-refractive-index material cladding. <b>2010</b> , 12, 075101		11
748	Spherical Photonic Crystal Microcavity with Ultra-High Quality Factor. <b>2010</b> ,		
747	Facile Fabrication of Tough SiC Inverse Opal Photonic Crystals. <b>2010</b> , 114, 22303-22308		36
746	Quantum computing by optical control of electron spins. <b>2010</b> , 59, 703-802		84
745	Photonics Application of Silicon Nanocrystals. <b>2010</b> , 445-485		1
744	Vertical high emission in photonic crystal nanocavities by band-folding design. <b>2010</b> , 82,		32
743	Nanoassembled plasmonic-photonic hybrid cavity for tailored light-matter coupling. <b>2010</b> , 10, 891-5		145
742	Quantum simulation of Heisenberg spin chains with next-nearest-neighbor interactions in coupled cavities. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	36
741	VLSI Photonics: How Can We Approach Using Micro/Nano-Materials?. <b>2010</b> , 522, 159/[459]-171/[471]		
740	Inverse design of nanophotonic structures using complementary convex optimization. <i>Optics Express</i> , <b>2010</b> , 18, 3793-804	3.3	34
739	One-dimensional parabolic-beam photonic crystal laser. <i>Optics Express</i> , <b>2010</b> , 18, 5654-60	3.3	69
738	Wavelength conversion by dynamically reconfiguring a nested photonic crystal cavity. <i>Optics Express</i> , <b>2010</b> , 18, 7732-42	3.3	2
737	High-Q design of semiconductor-based ultrasmall photonic crystal nanocavity. <i>Optics Express</i> , <b>2010</b> , 18, 8144-50	3.3	33
736	Programmable photonic crystal nanobeam cavities. <i>Optics Express</i> , <b>2010</b> , 18, 8705-12	3.3	92

735	Design of optomechanical cavities and waveguides on a simultaneous bandgap phononic-photonic crystal slab. <i>Optics Express</i> , <b>2010</b> , 18, 14926-43	3-3	139
734	Ultra-high-Q one-dimensional photonic crystal nanocavities with modulated mode-gap barriers on SiO <sub>2</sub> claddings and on air claddings. <i>Optics Express</i> , <b>2010</b> , 18, 15859-69	3-3	109
733	Effect of dielectric constant tuning on a photonic cavity frequency and Q-factor. <i>Optics Express</i> , <b>2010</b> , 18, 15907-16	3-3	1
732	Planar photonic crystal cavities with far-field optimization for high coupling efficiency and quality factor. <i>Optics Express</i> , <b>2010</b> , 18, 16064-73	3-3	100
731	Ultra-low power modulators using MOS depletion in a high-Q SiO <sub>2</sub> /silicon 2-D photonic crystal resonator. <i>Optics Express</i> , <b>2010</b> , 18, 19129-40	3-3	5
730	Design of ultra-high-Q photoinduced cavities in defect-free photonic crystal slabs. <i>Optics Express</i> , <b>2010</b> , 18, 21397-403	3-3	6
729	An in-plane nano-mechanics approach to achieve reversible resonance control of photonic crystal nanocavities. <i>Optics Express</i> , <b>2010</b> , 18, 22232-44	3-3	36
728	Design of dispersive optomechanical coupling and cooling in ultra-high-Q/V slot-type photonic crystal cavities. <i>Optics Express</i> , <b>2010</b> , 18, 23844-56	3-3	41
727	Paired modes of heterostructure cavities in photonic crystal waveguides with split band edges. <i>Optics Express</i> , <b>2010</b> , 18, 25693-701	3-3	7
726	Low-power continuous-wave generation of visible harmonics in silicon photonic crystal nanocavities. <i>Optics Express</i> , <b>2010</b> , 18, 26613-24	3-3	82
725	Photosensitive and thermal nonlinear effects in chalcogenide photonic crystal cavities. <i>Optics Express</i> , <b>2010</b> , 18, 26695-703	3-3	18
724	Photonic crystal slab sensor with enhanced surface area. <i>Optics Express</i> , <b>2010</b> , 18, 27930-7	3-3	107
723	Demonstration of coherent emission from high-beta photonic crystal nanolasers at room temperature. <i>Optics Letters</i> , <b>2010</b> , 35, 1154-6	3	24
722	High-Q hybrid 3D-2D slab-3D photonic crystal microcavity. <i>Optics Letters</i> , <b>2010</b> , 35, 3144-6	3	17
721	Photonic Crystal Structures in Molecular Biosensing. <b>2010</b> , 21, 26		7
720	Strategies for Reducing the Out-of-Plane Radiation in Photonic Crystal Heterostructure Microcavities for Continuous Wave Laser Applications. <b>2010</b> , 28, 1042-1050		7
719	The optical properties of hybrid organic-inorganic L3 nanocavities. <b>2010</b> , 27, 215		10
718	Analysis of photonic crystal defect modes by maximal symmetrization and reduction. <b>2010</b> , 27, 1364		7

717	Photonic crystal lasers—Ultimate nanolasers and broad-area coherent lasers [Invited]. <b>2010</b> , 27, B1		41
716	First principles derivation of microcavity semiconductor laser threshold condition and its application to FDTD active cavity modeling. <b>2010</b> , 27, 2262		22
715	3D light harnessing based on coupling engineering between 1D-2D Photonic Crystal membranes and metallic nano-antenna. <i>Optics Express</i> , <b>2010</b> , 18 Suppl 3, A381-94	3.3	15
714	Coupling of cavities: the way to impose control over their modes. <b>2010</b> ,		
713	Discrete Snaking: Multiple Cavity Solitons in Saturable Media. <b>2010</b> , 9, 391-431		32
712	Mechanically Tunable Negative-Index Photonic Crystal Lens. <b>2010</b> , 2, 1003-1012		11
711	Label-free biological and chemical sensors. <b>2010</b> , 2, 1544-59		285
710	Plasmonic-photonic hybrid cavity for tailored light-matter coupling. <b>2010</b> ,		1
709	Photonic Microresonator Research and Applications. <i>Springer Series in Optical Sciences</i> , <b>2010</b> ,	0.5	38
708	Coupled cavities and band-edge slow-light effects in periodic waveguides. <b>2010</b> ,		
707	Three dimensional finite-difference frequency-domain method in modeling of photonic nanocavities. <b>2010</b> ,		
706	Theoretical investigation of piezo-optic effect in photonic crystal nanocavity for nanostrain detection. <b>2010</b> ,		
705	Space group theory and Fourier space analysis of two-dimensional photonic crystal waveguides. <b>2010</b> , 81,		30
704	Transfer behavior of quantum states between atoms in photonic crystal coupled cavities. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	49
703	Approaches for electrical injection into photonic crystal nanocavities. <b>2010</b> ,		
702	Enhancement of the zero phonon line emission from a single nitrogen vacancy center in a nanodiamond via coupling to a photonic crystal cavity. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 141108	3.4	186
701	Nonlinear response of high efficient in-plane channel drop filter in Si heterostructure photonic crystal slab. <b>2011</b> , 58, 587-592		1
700	Electromagnetic modes of a disordered photonic crystal. <b>2011</b> , 83,		49

699	Modeling of Nanophotonic Resonators With the Finite-Difference Frequency-Domain Method. <b>2011</b> , 59, 4155-4161		12
698	Modulated mode-gap cavities in various forms. <b>2011</b> ,		
697	Deliberate versus intrinsic disorder in photonic crystal nanocavities investigated by resonant light scattering. <b>2011</b> , 84,		33
696	Trapping a single atom with a fraction of a photon using a photonic crystal nanocavity. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	2
695	Photonic Crystal Microcavity Light Sources. <b>2011</b> , 486-508		
694	Optical fiber tips functionalized with semiconductor photonic crystal cavities. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 191102	3.4	31
693	Silicon colloids: A new enabling nanomaterial. <b>2011</b> , 109, 102424		7
692	Hybrid photonic-plasmonic crystal nanocavities. <b>2011</b> , 5, 2831-8		98
691	Photonic Crystal Waveguides and Filters. <b>2011</b> , 509-539		
690	Ultrahigh-Q nanocavities written with a nanoprobe. <b>2011</b> , 11, 3634-42		18
689	Strain Sensitive Effect in a Triangular Lattice Photonic Crystal Hole-Modified Nanocavity. <b>2011</b> , 11, 2657-2663		14
688	Nanotechnology Research Directions for Societal Needs in 2020. <b>2011</b> ,		151
687	Subwavelength hybrid plasmonic nanodisk with highQfactor and Purcell factor. <b>2011</b> , 13, 075001		20
686	Optical microcavity: sensing down to single molecules and atoms. <b>2011</b> , 11, 1972-91		73
685	Quasi-3D Light Confinement in Double Photonic Crystal Reflectors VCSELs for CMOS-Compatible Integration. <b>2011</b> , 29, 2015-2024		35
684	Low order modes in microcavities based on silicon colloids. <i>Optics Express</i> , <b>2011</b> , 19, 3455-63	3.3	23
683	Observation of strong coupling through transmission modification of a cavity-coupled photonic crystal waveguide. <i>Optics Express</i> , <b>2011</b> , 19, 5398-409	3.3	28
682	Quasi-two-dimensional optomechanical crystals with a complete phononic bandgap. <i>Optics Express</i> , <b>2011</b> , 19, 5658-69	3.3	58

681	Investigation of strain sensing effect in modified single-defect photonic crystal nanocavity. <i>Optics Express</i> , <b>2011</b> , 19, 8821-9	3-3	43
680	Hybrid III-V semiconductor/silicon nanolaser. <i>Optics Express</i> , <b>2011</b> , 19, 9221-31	3-3	77
679	Demonstration of two-dimensional photonic crystals based on silicon carbide. <i>Optics Express</i> , <b>2011</b> , 19, 11084-9	3-3	83
678	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
677	Selective tuning of high-Q silicon photonic crystal nanocavities via laser-assisted local oxidation. <i>Optics Express</i> , <b>2011</b> , 19, 12480-9	3-3	31
676	Deterministic design of wavelength scale, ultra-high Q photonic crystal nanobeam cavities. <i>Optics Express</i> , <b>2011</b> , 19, 18529-42	3-3	278
675	Photonic crystal digital alloys and their band structure properties. <i>Optics Express</i> , <b>2011</b> , 19, 19255-64	3-3	2
674	Junction-type photonic crystal waveguides for notch- and pass-band filtering. <i>Optics Express</i> , <b>2011</b> , 19, 21074-80	3-3	12
673	Multiply resonant photonic crystal nanocavities for nonlinear frequency conversion. <i>Optics Express</i> , <b>2011</b> , 19, 22198-207	3-3	54
672	Finite-difference time-domain analysis of photonic crystal slab cavities with two-level systems. <i>Optics Express</i> , <b>2011</b> , 19, 23067-77	3-3	6
671	Time-resolved catch and release of an optical pulse from a dynamic photonic crystal nanocavity. <i>Optics Express</i> , <b>2011</b> , 19, 23377-85	3-3	14
670	Characterization of the surface plasmon polariton band gap in an Ag/SiO <sub>2</sub> /Ag T-shaped periodical structure. <i>Optics Express</i> , <b>2011</b> , 19, 23698-705	3-3	9
669	Study of thermally-induced optical bistability and the role of surface treatments in Si-based mid-infrared photonic crystal cavities. <i>Optics Express</i> , <b>2011</b> , 19, 24828-37	3-3	20
668	A chip-scale integrated cavity-electro-optomechanics platform. <i>Optics Express</i> , <b>2011</b> , 19, 24905-21	3-3	80
667	Symmetrically glass-clad photonic crystal nanocavities with ultrahigh quality factors. <i>Optics Letters</i> , <b>2011</b> , 36, 91-3	3	19
666	All-optical controllable trapping and transport of subwavelength particles on a tapered photonic crystal waveguide. <i>Optics Letters</i> , <b>2011</b> , 36, 424-6	3	11
665	High quality factor in a two-dimensional photonic crystal cavity on silicon-on-insulator. <i>Optics Letters</i> , <b>2011</b> , 36, 1749-51	3	15
664	AND logic gate for optical processing. <b>2011</b> ,		

663	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
662	Device engineering for silicon photonics. <b>2011</b> , 3, 34-40		66
661	The Capability Maturity Model for Software. <b>2011</b> ,		1
660	First Observation of Raman Scattering Emission from Silicon High-Q Photonic Crystal Nanocavities. <b>2011</b> ,		
659	Operation of Photonic Crystal Laser in Continuous-Wave Mode for 18 Hours. <b>2011</b> , 4, 122101		5
658	Retardation effects in quantum dot systems coupled via one-dimensional waveguides. <i>Optics Communications</i> , <b>2011</b> , 284, 4529-4534	2	
657	Localized photonic modes in photonic crystal heterostructures. <i>Optics Communications</i> , <b>2011</b> , 284, 5444-5447		7
656	Optical transmission gratings by one driven three-level atom and a microtoroidal resonator. <i>Optics Communications</i> , <b>2011</b> , 284, 5263-5268	2	4
655	Numerical analysis of coupled photonic crystal cavities. <b>2011</b> , 9, 345-350		1
654	Low-power nanophotonic devices based on photonic crystals towards dense photonic network on chip. <b>2011</b> , 5, 84		41
653	Strong Light Confinement With Periodicity. <b>2011</b> , 99, 1768-1779		31
652	Slotted photonic crystal cavities with integrated microfluidics for biosensing applications. <b>2011</b> , 27, 101-5		141
651	Spontaneous two-photon emission from a single quantum dot. <b>2011</b> , 107, 233602		95
650	Ultra-low threshold polariton lasing in photonic crystal cavities. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 111106 <sub>3,4</sub>		46
649	Fabrication technology of heterojunctions in the lattice of a 2D photonic crystal based on macroporous silicon. <b>2011</b> , 45, 1103-1110		13
648	Quantum dynamics and quantum state transfer between separated nitrogen-vacancy centers embedded in photonic crystal cavities. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	64
647	Enhancement of Extraordinary Optical Transmission in a Double Heterostructure Plasmonic Bandgap Cavity. <b>2011</b> , 6, 469-476		11
646	Luminescence enhancement from Si-based materials by introducing a photonic crystal double-heterostructure slot waveguide microcavity. <b>2011</b> , 7, 266-268		

645	On-demand photonic crystal resonators. <b>2011</b> , 5, 479-495		13
644	Single quantum dot nanolaser. <b>2011</b> , 5, 607-633		91
643	Porous silicon microcavities based photonic barcodes. <b>2011</b> , 23, 3022-5		28
642	Optical coupling between a cavity mode and a waveguide in a two-dimensional photonic crystal. <b>2011</b> , 9, 261-268		8
641	Transmission-dispersion characteristics of waveguide-coupled photonic crystal two-mode nanocavity embedding three tunnel-coupled quantum dots. <b>2011</b> , 375, 2738-2746		10
640	Selective Tuning of Silicon Photonic Crystal Cavities via Laser-Assisted Local Oxidation. <b>2011</b> ,		
639	Arrays of waveguide-coupled optical cavities that interact strongly with atoms. <i>New Journal of Physics</i> , <b>2011</b> , 13, 113002	2.9	33
638	Multiply resonant high quality photonic crystal nanocavities. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 013114	3.4	19
637	Higher-order photon correlations in pulsed photonic crystal nanolasers. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	31
636	Identification of the stimulated-emission threshold in high-fan-scale lasers through phase-space reconstruction. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	10
635	Anomalous spectral scaling of light emission rates in low-dimensional metallic nanostructures. <b>2011</b> , 83,		41
634	Ultra-high Q-factor Ge <sub>11.5</sub> As <sub>24</sub> Se <sub>64.5</sub> chalcogenide glass photonic crystal cavity embedded in silica. <b>2011</b> ,		
633	Light propagation properties of two-dimensional photonic crystal channel filters with elliptical micro-cavities. <b>2011</b> , 20, 104207		8
632	Photonic crystal nanocavities and broad-area cavities. <b>2011</b> ,		
631	Addressable subwavelength grids of confined light in a multislotted nanoresonator. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 081101	3.4	8
630	Entangling Gate of Dipolar Molecules Coupled to a Photonic Crystal. <b>2011</b> , 28, 050307		2
629	Optical Properties Characterization of InGaN/GaN near UV Photodetector with Surface Nano-Structure Fabricated by Nano-Imprinting. <b>2011</b> , 399-401, 629-634		1
628	A compact in-plane photonic crystal channel drop filter. <b>2011</b> , 20, 074210		11



627	Terahertz active photonic crystals for condensed gas sensing. <b>2011</b> , 11, 6003-14		26
626	Terahertz Characteristics of Two Dimensional Photonic Crystal Cavity Based on 3D Finite-Difference Time-Domain Method. <b>2012</b> , 602-604, 809-812		
625	A colloidal crystal double-heterostructure fabricated with the angle controlled inclined deposition method. <b>2012</b> , 21, 078103		2
624	Highly efficient coupling between a monolithically integrated photonic crystal cavity and a bus waveguide. <b>2012</b> ,		
623	Design of all-optical switching component based on pillar-array hybrid nonlinear photonic crystal cavity. <b>2012</b> , 29, 2314		8
622	Near-infrared characterization of gallium nitride photonic-crystal waveguides and cavities. <i>Optics Letters</i> , <b>2012</b> , 37, 4588-90	3	23
621	Cascaded modulator architecture for WDM applications. <i>Optics Express</i> , <b>2012</b> , 20, 27420-8	3-3	40
620	Reconfigurable photonic crystal waveguides created by selective liquid infiltration. <i>Optics Express</i> , <b>2012</b> , 20, 11046-56	3-3	40
619	Photonic crystal nanocavities fabricated from chalcogenide glass fully embedded in an index-matched cladding with a high Q-factor (>750,000). <i>Optics Express</i> , <b>2012</b> , 20, 15503-15	3-3	24
618	Photonic crystal-based all-optical on-chip sensor. <i>Optics Express</i> , <b>2012</b> , 20, 19912-20	3-3	88
617	First-principles method for high-Q photonic crystal cavity mode calculations. <i>Optics Express</i> , <b>2012</b> , 20, 22763-9	3-3	1
616	Reducing radiation losses of one-dimensional photonic-crystal reflectors on a silica waveguide. <i>Optics Express</i> , <b>2012</b> , 20, 28641-54	3-3	3
615	Efficient photon collection from reconfigurable photonic crystal slab resonator operating at short wavelengths. <b>2012</b> , 29, 2669		5
614	From vertical-cavities to hybrid metal/photonic-crystal nanocavities: towards high-efficiency nanolasers. <b>2012</b> , 29, 577		8
613	Ultrahigh-Q photonic crystal nanocavities in wide optical telecommunication bands. <i>Optics Express</i> , <b>2012</b> , 20, 22743-52	3-3	27
612	Tailoring the Multi-Channel Filtering Properties of the Near-Infrared Photonic Crystal with Oval Air Holes. <b>2012</b> ,		
611	Restoring mode degeneracy in H1 photonic crystal cavities by uniaxial strain tuning. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 121116	3-4	37
610	Reduced temperature sensitivity of the polarization properties of hydrogenated InGaAsN V-groove quantum wires. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 151114	3-4	5

609	Resonant splitting in periodic T-shaped photonic waveguides. <b>2012</b> , 112, 033522		1
608	High-Q aluminum nitride photonic crystal nanobeam cavities. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 091105	3-4	58
607	Experimental demonstration of a four-port photonic crystal cross-waveguide structure. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 251113	3-4	23
606	Enhancement of carbon nanotube photoluminescence by photonic crystal nanocavities. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 141124	3-4	50
605	Photon quantum-dot dynamics in coupled-cavity photonic crystal slabs. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	6
604	Nanocrystalline diamond photonics platform with high quality factor photonic crystal cavities. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 171115	3-4	34
603	Design for ultrahigh-Q position-controlled nanocavities of single semiconductor nanowires in two-dimensional photonic crystals. <b>2012</b> , 112, 113106		17
602	Bloch-wave engineering of quantum dot micropillars for cavity quantum electrodynamics experiments. <b>2012</b> , 108, 057402		55
601	Nanophotonic device analysis using time-domain methods. <b>2012</b> ,		
600	Generation of Greenberger-Horne-Zeilinger state of distant diamond nitrogen-vacancy centers via nanocavity input-output process. <i>Optics Express</i> , <b>2012</b> , 20, 16902	3-3	40
599	Active dielectric antenna on chip for spatial light modulation. <b>2012</b> , 2, 855		24
598	Efficient coupling between a photonic crystal nanocavity and a waveguide with directional end-facet emission. <b>2012</b> , 14, 055502		2
597	Optical properties of the two-port resonant tunneling filters in two-dimensional photonic crystal slabs. <b>2012</b> , 21, 104210		4
596	Single and coupled L3 photonic crystal cavities for cavity-QED experiments. <b>2012</b> ,		
595	Optical control of the quality factor using coupled photonic crystal cavities. <b>2012</b> ,		
594	All-optical dynamic frequency conversion in silicon photonic crystal cavities. <b>2012</b> ,		
593	Emission properties of photonic crystal nanolasers. <b>2012</b> , 186-224		
592	. <b>2012</b> , 48, 1177-1183		23

591	Femtogram doubly clamped nanomechanical resonators embedded in a high-Q two-dimensional photonic crystal nanocavity. <b>2012</b> , 12, 2299-305			67
590	Light Emission Enhancement From Er-Doped Silicon Photonic Crystal Double-Heterostructure Microcavity. <b>2012</b> , 24, 110-112			7
589	Experimental detection of 1pico-molar concentration from high-Q photonic crystal microcavity biosensors. <b>2012</b> ,			
588	Propagation Losses of Slotted Photonic Crystal Waveguides. <b>2012</b> , 4, 1536-1541			20
587	Photonic Crystal Cavity Based WDM Components. <b>2012</b> ,			
586	Double-heterostructure cavities: From theory to design. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6		1
585	All-optical on-chip dynamic frequency conversion. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 141119	3.4		11
584	Strong light confinement in a photonic amorphous diamond structure. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 151103	3.4		10
583	Applications of optomechanical effects for on-chip manipulation of light signals. <b>2012</b> , 16, 82-90			23
582	Electrically Driven Photonic Crystal Nanocavity Devices. <b>2012</b> , 18, 1700-1710			14
581	. <b>2012</b> , 18, 1818-1829			26
580	Efficient power extraction in surface-emitting semiconductor lasers using graded photonic heterostructures. <b>2012</b> , 3, 952			96
579	Porous silicon microcavities: synthesis, characterization, and application to photonic barcode devices. <b>2012</b> , 7, 497			4
578	All-Optical Switches Based on Multiple Cascaded Resonators With Reduced Switching Intensity-Response Time Products. <b>2012</b> , 30, 3525-3531			13
577	Magneto-optical properties of single site-controlled InGaAsN quantum wires grown on prepatterned GaAs substrates. <b>2012</b> , 85,			6
576	Dynamic control of Q factor in photonic crystal microcavity employing Kerr effect. <i>Optics Communications</i> , <b>2012</b> , 285, 5508-5511	2		2
575	High-Q (>750,000) photonic crystal nanocavities fabricated from chalcogenide glass fully embedded in an index-matched cladding. <b>2012</b> ,			
574	Strong coupling between distant photonic nanocavities and its dynamic control. <i>Nature Photonics</i> , <b>2012</b> , 6, 56-61	33.9		173

573	THE PHOTON-LIKE FLYING QUBIT IN THE COUPLED CAVITY ARRAY. <b>2012</b> , 10, 1250002		
572	Spontaneous emission control of single quantum dots by electromechanical tuning of a photonic crystal cavity. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 091106	3-4	20
571	Implementing a topological quantum model using a cavity lattice. <b>2012</b> , 55, 1549-1556		12
570	Advanced Optical Components. <b>2012</b> , 447-541		
569	Photonic Crystal Lasers. <b>2012</b> , 301-333		4
568	Design of Photonic Crystal Waveguides. <b>2012</b> , 163-182		0
567	HIGH-Q PHOTONIC CRYSTAL NANOBEAM CAVITY BASED ON A SILICON NITRIDE MEMBRANE INCORPORATING FABRICATION IMPERFECTIONS AND A LOW-INDEX MATERIAL LAYER. <b>2012</b> , 37, 191-204		2
566	Optical antennas as nanoscale resonators. <b>2012</b> , 4, 692-706		94
565	Lithium niobate on insulator (LNOI) for micro-photonic devices. <b>2012</b> , 6, 488-503		293
564	Photonic crystal devices: some basics and selected topics. <b>2012</b> , 6, 564-597		18
563	High-Q optical sensors for chemical and biological analysis. <b>2012</b> , 84, 793-821		188
562	Numerical modelling of optical trapping in hollow photonic crystal cavities. <b>2012</b> , 44, 161-167		1
561	Vertical-external-cavity surface-emitting lasers and quantum dot lasers. <b>2012</b> , 5, 157-170		7
560	Surface plasmon lasers: sources of nanoscopic light. <b>2012</b> , 15, 26-34		77
559	Light transmission by a three-level emitter embedded in a waveguide-coupled two-mode photonic crystal nanocavity. <i>Optics Communications</i> , <b>2012</b> , 285, 680-685	2	6
558	Confined and Propagating Modes of Microstructured Optical Fibers With Three-Dimensional Geometry Variation. <b>2012</b> , 30, 2134-2142		
557	Structural Dependence of Group Velocity and Leakage Loss in 1-D Photonic Crystal Coupled Resonator Optical Waveguide With Modulated Mode-Gap. <b>2012</b> , 4, 300-309		4
556	Fourier Space Analysis of an Elliptical Micropillar Cavity. <b>2012</b> , 48, 419-424		0

555	A Hollow-Core Optical Cavity Built in a Three-Layer Silicon Photonic Crystal. <b>2013</b> , 1, 740-746		1
554	Design of an air-slot mode-gap nanocavity in a two dimensional photonic crystal slab. <b>2013</b> , 58, 63-67		3
553	Proposal of Coupled Ring Resonator Based on One-Dimensional Photonic Crystal Nanocavity. <b>2013</b> , 31, 2565-2569		2
552	Mini-stop bands in single heterojunction photonic crystal waveguides. <b>2013</b> , 3, 032136		6
551	Strongly coupled slow-light polaritons in one-dimensional disordered localized states. <b>2013</b> , 3, 1994		19
550	Channel drop filter for CWDM systems. <i>Optics Communications</i> , <b>2013</b> , 306, 179-184	2	9
549	Long-distance radiative excitation transfer between quantum dots in disordered photonic crystal waveguides. <b>2013</b> , 88,		10
548	Slab thickness tuning approach for solid-state strong coupling between photonic crystal slab nanocavity and a quantum dot. <b>2013</b> , 8, 187		4
547	Controlling the filtering characteristics of the two-dimensional silicon-based photonic crystal with elliptic air holes. <i>Optik</i> , <b>2013</b> , 124, 1865-1868	2.5	5
546	Fundamentals of Photonic Crystals for Telecom Applications Photonic Crystal Lasers. <b>2013</b> , 155-173		
545	Efficient heat dissipation of photonic crystal microcavity by monolayer graphene. <b>2013</b> , 7, 10818-24		22
544	On the developments and applications of optical microcavities: an overview. <b>2013</b> , 56, 1-15		3
543	Configurable silicon photonic crystal waveguides. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 261112	3.4	2
542	Optical Analysis of p-Type Surface Conductivity in Diamond with Slotted Photonic Crystals. <b>2013</b> , 1, 963-970		8
541	Cavity-mode calculation of L3 photonic crystal slab using the effective index perturbation method. <b>2013</b> , 20, 420-425		1
540	Advancements in Silicon Photonics. <b>2013</b> , 33-52		
539	Wavelength Tuning by Bending a Flexible Photonic Crystal Laser. <b>2013</b> , 31, 1960-1964		9
538	Enhancement of light emission from Ge quantum dots by photonic crystal nanocavities at room-temperature. <b>2013</b> , 378, 636-639		15

537	Far-field emission profiles from L3 photonic crystal cavity modes. <b>2013</b> , 11, 37-47	5
536	High-Q resonant modes in a photonic crystal heterostructure nanocavity and applicability to a Raman silicon laser. <b>2013</b> , 88,	22
535	Tunable graphene antennas for selective enhancement of THz-emission. <i>Optics Express</i> , <b>2013</b> , 21, 3737-453	89
534	Photonic crystal nanocavities in GaAs/AlGaAs with oxidised bottom cladding. <b>2013</b> , 11, 139-144	9
533	Single-cell photonic nanocavity probes. <b>2013</b> , 13, 4999-5005	80
532	Slow-Light-Enhanced Nonlinear Characteristics in Slot Waveguides Composed of Photonic Crystal Nanobeam Cavities. <b>2013</b> , 5, 2700309-2700309	13
531	Electromechanically tunable carbon nanofiber photonic crystal. <b>2013</b> , 13, 397-401	7
530	Dielectric-Band Photonic Crystal Nanobeam Lasers. <b>2013</b> , 31, 36-42	10
529	Hybrid quantum circuits: Superconducting circuits interacting with other quantum systems. <b>2013</b> , 85, 623-653	923
528	Optofluidic sensor using two-dimensional photonic crystal waveguides. <b>2013</b> , 62, 11201	20
527	Slotted photonic crystal sensors. <b>2013</b> , 13, 3675-710	64
526	A micrometre-scale Raman silicon laser with a microwatt threshold. <b>2013</b> , 498, 470-4	155
525	Formation of Terahertz Superconducting Photonic Devices Based on Patterned Irradiation. <b>2013</b> , 23, 1800607-1800607	
524	All-optical dynamic frequency conversion in silicon photonic crystals. <b>2013</b> ,	
523	Electrically driven nanobeam laser. <b>2013</b> , 4,	61
522	Ultralow Power Nonlinear Response in an Si Photonic Crystal Nanocavity. <b>2013</b> , 5, 6601409-6601409	12
521	All-optical tunable filters based on optomechanical effects in two-dimensional photonic crystal cavities. <i>Optics Letters</i> , <b>2013</b> , 38, 4362-5	3 7
520	Design and demonstration of high quality-factor H1-cavity in two-dimensional photonic crystal. <i>Optics Letters</i> , <b>2013</b> , 38, 4915-8	3 12

519	Giant Slow Wave Resonances in Coupled Periodic Silicon Optical Waveguides. <b>2013,</b>		
518	Highly efficient optical filter based on vertically coupled photonic crystal cavity and bus waveguide. <i>Optics Letters</i> , <b>2013</b> , 38, 154-6	3	35
517	Nanocavities at the surface of three-dimensional photonic crystals. <i>Optics Express</i> , <b>2013</b> , 21, 10590-6	3-3	7
516	Confocal microphotoluminescence mapping of coupled and detuned states in photonic molecules. <i>Optics Express</i> , <b>2013</b> , 21, 16934-45	3-3	9
515	Dual-rail nanobeam microfiber-coupled resonator. <i>Optics Express</i> , <b>2013</b> , 21, 6724-32	3-3	3
514	High-frequency self-induced oscillations in a silicon nanocavity. <i>Optics Express</i> , <b>2013</b> , 21, 13626-38	3-3	21
513	Statistics of the disorder-induced losses of high-Q photonic crystal cavities. <i>Optics Express</i> , <b>2013</b> , 21, 28233-45	3-3	44
512	Formulation for scalable optimization of microcavities via the frequency-averaged local density of states. <i>Optics Express</i> , <b>2013</b> , 21, 30812-41	3-3	53
511	Two-component cavity based on a regular photonic crystal nanobeam. <b>2013</b> , 52, 5830-4		4
510	Photonic crystal dumbbell resonators in silicon and aluminum nitride integrated optical circuits. <b>2013</b> , 7, 073095		2
509	Photonic Crystal Cavity With Double Heterostructure in GaN Bulk. <b>2013</b> , 5, 2202606-2202606		1
508	Solid-state quantum optics with quantum dots in photonic nanostructures. <b>2013</b> , 2, 39-55		16
507	Spontaneous emission of two quantum dots in a single-mode cavity. <b>2013</b> , 22, 094207		1
506	Photonic crystal lasers. <b>2013</b> , 56-80		
505	Level set based topology optimization for optical cloaks. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 251106	3-4	46
504	Creation of quantum entanglement with two separate diamond nitrogen vacancy centers coupled to a photonic molecule. <b>2013</b> , 114, 244306		11
503	Integrated photonics on silicon with wide bandgap GaN semiconductor. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 081120	3-4	47
502	High-Q silicon-on-insulator slot photonic crystal cavity infiltrated by a liquid. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 251106	3-4	18

501	Preservation of quantum correlation between separated nitrogen-vacancy centers embedded in photonic-crystal cavities. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	51
500	Role of aluminum oxide cladding layers in heat conduction of a semiconductor slab with photonic crystal. <b>2013</b> ,		
499	Femtojoule/bit integrated nanophotonics based on photonic crystals. <b>2013</b> , 10, 20132003-20132003		1
498	Bloch-wave engineered submicron-diameter quantum-dot micropillars for cavity QED experiments. <b>2013</b> ,		
497	Scalable optical transmitter and receiver based on cascaded nanoresonator modulators and multiwavelength laser. <b>2013</b> ,		
496	Achieving slow and fast light with high transmission by nanodiamond nitrogen-vacancy center coupling to photonic crystal cavity. <b>2013</b> , 114, 124312		4
495	Single and Coupled Nanobeam Cavities. <b>2013</b> ,		
494	Reduced symmetry and analogy to chirality in periodic dielectric media. <b>2014</b> , 9,		13
493	Multichannel W3 Y-branch filter in a two dimensional triangular-lattice photonic crystal slab. <i>Optik</i> , <b>2014</b> , 125, 7203-7206	2.5	8
492	Voltage-Controlled Quantum Dynamics and Generation Entanglement between Two Separated Quantum-Dot Molecules Embedded in Photonic Crystal Cavities. <b>2014</b> , 61, 531-535		
491	Spontaneous emission modulation of colloidal quantum dots via efficient coupling with hybrid plasmonic photonic crystal. <i>Optics Express</i> , <b>2014</b> , 22, 23473-9	3.3	16
490	Optomechanical Crystal Devices. <b>2014</b> , 195-231		3
489	Sandwich-typed resonator cavity based on a regular photonic crystal nanobeam. <b>2014</b> , 490, 012167		
488	Breakthroughs in Photonics 2013: A Microwatt-Threshold Raman Silicon Laser. <b>2014</b> , 6, 1-5		4
487	Coherent nanocavity structures for enhancement in internal quantum efficiency of III-nitride multiple quantum wells. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 161108	3.4	8
486	Electromagnetic band-gap structure design using the auxetic unit-structure for easily controllable tunability. <b>2014</b> , 116, 243506		2
485	Huge light-enhancement by coupling a Bowtie Nano-antenna's plasmonic resonance to a photonic crystal mode. <i>Optics Express</i> , <b>2014</b> , 22, 14464-72	3.3	27
484	Robust thin-film photonic crystals with complete photonic bandgaps. <b>2014</b> ,		



483	Silicon optical diode based on cascaded photonic crystal cavities. <i>Optics Letters</i> , <b>2014</b> , 39, 1370-3	3	51
482	Photonic molecules: tailoring the coupling strength and sign. <i>Optics Express</i> , <b>2014</b> , 22, 12359-68	3-3	33
481	A printed nanobeam laser on a SiO <sub>2</sub> /Si substrate for low-threshold continuous-wave operation. <i>Optics Express</i> , <b>2014</b> , 22, 12115-21	3-3	7
480	Optical bistability and four-wave mixing with a single nitrogen-vacancy center coupled to a photonic crystal nanocavity in the weak-coupling regime. <i>Optics Express</i> , <b>2014</b> , 22, 15024-38	3-3	9
479	Multiple slow waves and relevant transverse transmission and confinement in chirped photonic crystals. <i>Optics Express</i> , <b>2014</b> , 22, 21806-19	3-3	5
478	Acousto-optical interaction of surface acoustic and optical waves in a two-dimensional photonic crystal hetero-structure cavity. <i>Optics Express</i> , <b>2014</b> , 22, 28443-51	3-3	23
477	One-step implementation of a multiqubit phase gate with one control qubit and multiple target qubits in coupled cavities. <i>Optics Letters</i> , <b>2014</b> , 39, 1489-92	3	28
476	High-Q silicon photonic crystal cavity for enhanced optical nonlinearities. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 101101	3-4	34
475	All-optical on-chip sensor for high refractive index sensing in photonic crystals. <b>2014</b> , 107, 34008		21
474	Genetically designed L3 photonic crystal nanocavities with measured quality factor exceeding one million. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 241101	3-4	86
473	Design of single-mode waveguides for enhanced light-sound interaction in honeycomb-lattice silicon slabs. <b>2014</b> , 115, 064302		20
472	High-efficiency degenerate four-wave mixing in triply resonant nanobeam cavities. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	9
471	Bandgap properties of diamond structure photonic crystal heterostructures with inclined and curved interfaces. <b>2014</b> , 115, 223501		
470	High-coherence semiconductor lasers based on integral high-Q resonators in hybrid Si/III-V platforms. <b>2014</b> , 111, 2879-84		76
469	$L_n$ Slot Photonic Crystal Microcavity for Refractive Index Gas Sensing. <b>2014</b> , 6, 1-9		12
468	All-optical analog to electromagnetically induced transparency effects for multiple wavelengths in a silicon photonic crystal coupled cavity system. <i>Optics Communications</i> , <b>2014</b> , 315, 26-31	2	8
467	Toward FJ/bit optical communication in a chip. <i>Optics Communications</i> , <b>2014</b> , 314, 3-17	2	42
466	Frequency tuned air-slot mode-gap cavities in two dimensional photonic crystals. <b>2014</b> , 36, 1139-1142		4

465	Single photon sources with single semiconductor quantum dots. <b>2014</b> , 9, 170-193		25
464	Cavity-Waveguide Coupling Engineered High Sensitivity Silicon Photonic Crystal Microcavity Biosensors With High Yield. <b>2014</b> , 20, 171-180		27
463	Optically Pumped Semiconductor Photonic Crystal Lasers. <b>2014</b> , 33-90		0
462	Radio frequency regenerative oscillations in monolithic high-Q/V heterostructured photonic crystal cavities. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 061104	3.4	18
461	Nano-photonics in III-V Semiconductors for Integrated Quantum Optical Circuits. <i>Springer Theses</i> , <b>2014</b> ,	0.1	2
460	Silicon nanostructures for photonics and photovoltaics. <b>2014</b> , 9, 19-32		675
459	Silicon-on-insulator (SOI) technology for photonic integrated circuits (PICs). <b>2014</b> , 395-434		3
458	Hierarchical silicon nanostructured arrays via metal-assisted chemical etching. <b>2014</b> , 4, 50081-50085		10
457	The influence of an optical well in controlling the mode splitting in a photonic molecule. <b>2014</b> ,		
456	Light trapping in photonic crystals. <b>2014</b> , 7, 2725		49
455	One-step implementation of the genuine Fredkin gate in high-Q coupled three-cavity arrays. <b>2014</b> , 31, 697		6
454	All-optical coherent control of vacuum Rabi oscillations. <i>Nature Photonics</i> , <b>2014</b> , 8, 858-864	33.9	45
453	Global optimization of ultrahigh-Q H0 photonic crystal nanocavity in silicon. <b>2014</b> ,		
452	Entangled-photon generation from a quantum dot in a microcavity through pulsed laser irradiation. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	2
451	Noise resistance of Toffoli gate in an array of coupled cavities. <b>2014</b> , 61, 1290-1297		5
450	Enhancing the Sensitivity of Label-Free Silicon Photonic Biosensors through Increased Probe Molecule Density. <i>ACS Photonics</i> , <b>2014</b> , 1, 590-597	6.3	32
449	Ultrafast non-local control of spontaneous emission. <b>2014</b> , 9, 886-90		46
448	Channel drop filter using photonic crystal ring resonators for CWDM communication systems. <i>Optik</i> , <b>2014</b> , 125, 4718-4721	2.5	31

447	Features of the charged particles acceleration in a standing laser wave field. <b>2014</b> , 49, 89-94		
446	Photonic switching devices based on semiconductor nano-structures. <b>2014</b> , 47, 133001		26
445	Fabricating centimeter-scale high quality factor two-dimensional periodic photonic crystal slabs. <i>Optics Express</i> , <b>2014</b> , 22, 3724-31	3-3	4
444	Optimization of figure of merit in label-free biochemical sensors by designing a ring defect coupled resonator. <i>Optics Communications</i> , <b>2014</b> , 332, 42-49	2	31
443	Design of high-Q cavities in 2D photonic crystals air holes filled with polymer. <i>Optik</i> , <b>2014</b> , 125, 6223-6226	5	2
442	Role of aluminum oxide cladding layers in heat transfer in a semiconductor slab with photonic crystal. <b>2014</b> , 53, 022701		3
441	Temperature effect on the tenability of an eight-channel demultiplexer. <i>Optik</i> , <b>2014</b> , 125, 5164-5166	2.5	4
440	Optomechanic interaction in a corrugated photonic nanobeam cavity. <b>2014</b> , 89,		35
439	Dynamics of entanglement density in photonic crystals. <i>Optics Communications</i> , <b>2014</b> , 315, 1-7	2	0
438	Photonic crystal nanocavity with a Q-factor of ~9 million. <i>Optics Express</i> , <b>2014</b> , 22, 916-24	3-3	140
437	Ultra-compact 32-channel drop filter with 100 GHz spacing. <i>Optics Express</i> , <b>2014</b> , 22, 4692-8	3-3	22
436	Nanoscale radius-graded photonic crystal sensor arrays using interlaced and symmetrical resonant cavities for biosensing. <b>2014</b> , 216, 223-230		18
435	Photonic Crystal Logic Devices. <b>2014</b> , 331-344		
434	Zero-coupling-gap degenerate band edge resonators in silicon photonics. <i>Optics Express</i> , <b>2015</b> , 23, 30933-42	3-4	9
433	Introduction Paolo Bettotti. <b>2015</b> , 13-22		
432	Ge Quantum Dots-Based Light Emitting Devices. <b>2015</b> , 233-266		
431	Effective bichromatic potential for ultra-high Q-factor photonic crystal slab cavities. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 261110	3-4	18
430	Lasing action and extraordinary reduction in long radiative lifetime of type-II GaSb/GaAs quantum dots using circular photonic crystal nanocavity. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 091113	3-4	9

429	GHz Heterogeneous Phononic Crystal Slab Resonators. <b>2015,</b>		
428	High-Q photonic crystal cavities realised using deep ultraviolet lithography. <b>2015, 51, 1277-1279</b>		4
427	High-Q Silicon Resonators For High-Coherence Hybrid Si/III-V Semiconductor Lasers. <b>2015,</b>		2
426	Analyzing photonic crystal heterostructure mode-gap cavities by Dirichlet-to-Neumann maps. <b>2015,</b>		
425	Silicon Carbide for Novel Quantum Technology Devices. <b>2015,</b>		5
424	. <b>2015,</b>		19
423	. <b>2015,</b>		
422	Implementation of three-qubit Toffoli gates via the Heisenberg XY model in coupled cavities. <b>2015, 62, 1283-1290</b>		1
421	Coherent control of energy transfer in a quantum dot strongly coupled to a photonic crystal molecule. <b>2015,</b>		
420	Green Color Purification in Tb(3+) Ions through Silica Inverse Opal Heterostructure. <b>2015, 7, 11890-9</b>		8
419	. <b>2015, 21, 728-737</b>		22
418	A sub-microwatt threshold Raman silicon laser using a high-Q nanocavity. <b>2015,</b>		1
417	Sensitive All-Optical Channel-Drop Sensor in Photonic Crystals. <b>2015, 33, 3672-3678</b>		11
416	Radius vertical graded nanoscale interlaced-coupled photonic crystal sensors array. <i>Optics Communications</i> , <b>2015, 355, 331-336</b>	2	14
415	Design and analysis of photonic crystal biperiodic waveguide structure based optofluidic-gas sensor. <i>Optik</i> , <b>2015, 126, 5172-5175</b>	2.5	11
414	Transfer of an arbitrary photon state along a cavity array without initialization. <i>New Journal of Physics</i> , <b>2015, 17, 013032</b>	2.9	6
413	Ultrafast spontaneous emission of copper-doped silicon enhanced by an optical nanocavity. <b>2014, 4, 5040</b>		22
412	Dielectric Photonic Crystals. <b>2015, 133-168</b>		

411	Cavity Photonics. <b>2015</b> , 21-51			1
410	All-optical on-chip sensor for high refractive index sensing. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 031116	3.4		16
409	Nanowire Lasers. <b>2015</b> , 4, 90-107			52
408	Tailoring the Photon Hopping by Nearest-Neighbor and Next-Nearest-Neighbor Interaction in Photonic Arrays. <i>ACS Photonics</i> , <b>2015</b> , 2, 565-571	6.3		15
407	Continuously tunable heterostructure air-slot nanocavities in two-dimensional photonic crystals. <b>2015</b> , 43, 49-54			
406	Optical trapping and manipulation of micrometer and submicrometer particles. <b>2015</b> , 9, 309-329			80
405	Interfacing single photons and single quantum dots with photonic nanostructures. <b>2015</b> , 87, 347-400			729
404	Nano-scale optical actuation based on two-dimensional heterostructure photonic crystal cavities. <b>2015</b> ,			
403	Design of photonic crystal based ring resonator for detection of different blood constituents. <i>Optics Communications</i> , <b>2015</b> , 348, 19-23	2		41
402	Driving Lightwave in Nanopatterned Nanowire. <b>2015</b> , 403-419			
401	Slot-embedded photonic-crystal resonator with enhanced modal confinement. <i>Optics Letters</i> , <b>2015</b> , 40, 554-7	3		
400	Raman shift and strain effect in high-Q photonic crystal silicon nanocavity. <i>Optics Express</i> , <b>2015</b> , 23, 395139	3.3		21
399	Multiple-channel wavelength conversions in a photonic crystal cavity. <i>Optics Express</i> , <b>2015</b> , 23, 4523-8	3.3		5
398	Large area photonic crystal cavities: a local density approach. <i>Optics Express</i> , <b>2015</b> , 23, 7481-99	3.3		6
397	Miniaturized Bragg-grating couplers for SiN-photonic crystal slabs. <i>Optics Express</i> , <b>2015</b> , 23, 9803-11	3.3		3
396	Design of a femtogram scale double-slot photonic crystal optomechanical cavity. <i>Optics Express</i> , <b>2015</b> , 23, 23167-76	3.3		4
395	Micro-structure analysis of He <sup>+</sup> ion implanted KTP by TEM. <b>2015</b> , 5, 986			7
394	Tunable multi-channel terahertz wave power splitter. <i>Optics Communications</i> , <b>2015</b> , 356, 616-619	2		2

393	Post-process wavelength tuning of silicon photonic crystal slow-light waveguides. <i>Optics Letters</i> , <b>2015</b> , 40, 1952-5	3	6
392	Wide-band slow light in compact photonic crystal coupled-cavity waveguides. <b>2015</b> , 2, 631		31
391	Photonic crystal cavities and integrated optical devices. <b>2015</b> , 58, 1		8
390	Efficient Numerical Modeling of Photonic Crystal Heterostructure Devices. <b>2015</b> , 33, 2012-2018		5
389	Lab-on-fiber technology: a new vision for chemical and biological sensing. <b>2015</b> , 140, 8068-79		112
388	Dispersion of coupled mode-gap cavities. <i>Optics Letters</i> , <b>2015</b> , 40, 4488-91	3	8
387	Lasing Characteristics of GaN-Based Photonic Quasi-Crystal Surface Emitting Lasers Operated at Higher Order Mode. <b>2015</b> , 21, 743-748		0
386	Design of photonic crystal microcavity based optical switches using Fano resonance effect. <i>Optik</i> , <b>2015</b> , 126, 4202-4205	2.5	3
385	Graded-lattice AAO photonic crystal heterostructure for high Q refractive index sensing. <b>2015</b> , 5, 71770-71777		26
384	Compact Tunable Laser With InGaAsP Photonic Crystal Nanorods for C-Band Communication. <b>2015</b> , 21, 738-742		6
383	Asymmetric out-of-plane power distribution in a two-dimensional photonic crystal nanocavity. <i>Optics Letters</i> , <b>2015</b> , 40, 3372-5	3	5
382	Photonic Crystals: An Introductory Survey. <b>2015</b> , 3-29		5
381	Analysis of Q-factors of structural imperfections in triangular cross-section nanobeam photonic crystal cavities. <b>2015</b> , 32, 1792		8
380	Compact multichannel spectrometer based on the array of two-component photonic crystal cavities. <b>2015</b> , 25, 526-531		
379	Deterministic SWAP gate using shortcuts to adiabatic passage. <b>2015</b> , 12, 115201		17
378	Classical and fluctuation-induced electromagnetic interactions in micron-scale systems: designer bonding, antibonding, and Casimir forces. <b>2015</b> , 527, 45-80		31
377	Automated optimization of photonic crystal slab cavities. <b>2014</b> , 4, 5124		90
376	Efficient single-photon-assisted entanglement concentration for an arbitrary entangled photon pair with the diamond nitrogen-vacancy center insides cavity. <i>Optics Communications</i> , <b>2015</b> , 338, 174-180 <sup>2</sup>		

375	Label-free optical sensor by designing a high-Q photonic crystal ring resonator structure. <i>Optics Communications</i> , <b>2015</b> , 335, 73-77	2	61
374	Mechanically-Tunable Photonic Devices with On-Chip Integrated MEMS/NEMS Actuators. <i>Micromachines</i> , <b>2016</b> , 7,	3-3	30
373	Characteristics of strain-sensitive photonic crystal cavities in a flexible substrate. <i>Optics Express</i> , <b>2016</b> , 24, 26119-26128	3-3	3
372	Design of nanowire-induced nanocavities in grooved 1D and 2D SiN photonic crystals for the ultra-violet and visible ranges. <i>Optics Express</i> , <b>2016</b> , 24, 26792-26808	3-3	13
371	Comparison of coherently coupled multi-cavity and quantum dot embedded single cavity systems. <i>Optics Express</i> , <b>2016</b> , 24, 29329-29341	3-3	3
370	Light-trapping for room temperature Bose-Einstein condensation in InGaAs quantum wells. <i>Optics Express</i> , <b>2016</b> , 24, 14010-35	3-3	1
369	Low pump power spontaneous four-wave mixing source using triple photonic crystal microcavities in silicon. <b>2016</b> ,		
368	Integrated phononic crystal resonators based on adiabatically-terminated phononic crystal waveguides. <b>2016</b> , 6, 121603		6
367	Maximizing Photoluminescence Extraction in Silicon Photonic Crystal Slabs. <b>2016</b> , 6, 25135		9
366	Single-mode optical waveguides on native high-refractive-index substrates. <b>2016</b> , 1, 071302		10
365	Nonlinear and quantum optics with whispering gallery resonators. <b>2016</b> , 18, 123002		151
364	High-Q side-coupled semi-2D-photonic crystal cavity. <b>2016</b> , 6, 26038		4
363	Highly tunable plasmonic nanoring arrays for nanoparticle manipulation and detection. <b>2016</b> , 27, 365301		22
362	Review of design principles of 2D photonic crystal microcavity biosensors in silicon and their applications. <b>2016</b> , 9, 206-224		14
361	Quantum Storage in a Hybrid System with a Photonic Molecule and a Diamond Nitrogen Vacancy Center. <b>2016</b> , 55, 3788-3797		1
360	Design of nanobeam photonic crystal resonators for a silicon-on-lithium-niobate platform. <i>Optics Express</i> , <b>2016</b> , 24, 5876-85	3-3	16
359	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
358	Tunable nanoblock lasers and stretching sensors. <b>2016</b> , 8, 16769-16775		7

357	Pseudospin-induced chirality with staggered optical graphene. <b>2016</b> , 5, e16094		15
356	Inhibition of Atomic Decay in Strongly Coupled Photonic Crystal Cavities. <b>2016</b> , 33, 074204		1
355	Design and simulation of photonic crystal based all-optical logic gate and modulator using infiltration. <b>2016</b> , 48, 1		2
354	One Single Static Measurement Predicts Wave Localization in Complex Structures. <b>2016</b> , 117, 074301		11
353	Investigation of second-harmonic generation efficiency in a waveguide-side-coupled photonic nanocavity. <b>2016</b> , 33, 2010		4
352	Plasmonics of Opal Surface: A Combined Near- and Far-Field Approach. <b>2016</b> , 120, 19308-19315		1
351	Dark-polariton bound pairs in the modified Jaynes-Cummings-Hubbard model. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	7
350	Evanescent field trapping of nanoparticles using nanostructured ultrathin optical fibers. <i>Optics Express</i> , <b>2016</b> , 24, 14470-82	3.3	21
349	Giant gain enhancement in photonic crystals with a degenerate band edge. <b>2016</b> , 93,		38
348	Manipulating and trapping light with photonic crystals from fundamental studies to practical applications. <b>2016</b> , 4, 11032-11049		9
347	Optical Nanoantennas. <b>2016</b> , 527-566		1
346	Lower bound for the spatial extent of localized modes in photonic-crystal waveguides with small random imperfections. <b>2016</b> , 6, 27037		30
345	Stretchable photonic crystal design. <b>2016</b> , 48, 1		
344	Photonic-crystal diplexers for terahertz-wave applications. <i>Optics Express</i> , <b>2016</b> , 24, 7835-49	3.3	41
343	Nonlocal hyperconcentration on entangled photons using photonic module system. <b>2016</b> , 369, 128-138		38
342	Threshold Characteristics of Slow-Light Photonic Crystal Lasers. <b>2016</b> , 116, 063901		42
341	Photonic Crystals. <b>2016</b> ,		4
340	Theoretical research on a two-dimensional phoxonic crystal liquid sensor by utilizing surface optical and acoustic waves. <b>2016</b> , 242, 123-131		21



339	Study of two dimensional photonic crystal nanocavities based on Gallium Nitride (GaN). <i>Optik</i> , <b>2016</b> , 127, 2708-2714	2.5	1
338	Subwavelength Nanowire Lasers on a Silicon Photonic Crystal Operating at Telecom Wavelengths. <i>ACS Photonics</i> , <b>2017</b> , 4, 355-362	6.3	27
337	Enhancement of acousto-optical coupling in two-dimensional air-slot photonic crystal cavities by utilizing surface acoustic waves. <b>2017</b> , 381, 323-329		8
336	A review on single photon sources in silicon carbide. <i>Reports on Progress in Physics</i> , <b>2017</b> , 80, 034502	14.4	115
335	A scheme for high-quality nonlinear all-optical switches. <i>Optik</i> , <b>2017</b> , 134, 21-27	2.5	4
334	Nanoporous anodic alumina photonic crystals: fundamentals, developments and perspectives. <b>2017</b> , 5, 5581-5599		58
333	Strong plasmonic enhancement of biexciton emission: controlled coupling of a single quantum dot to a gold nanocone antenna. <b>2017</b> , 7, 42307		41
332	CMOS Fabricated Large Array of Free Standing Substrate-Less Photonic Crystal Cavities for Biosensing Applications. <b>2017</b> , 9, 1-8		2
331	Realization of high-Q/V photonic crystal cavities defined by an effective Aubry-Andre-Harper bichromatic potential. <b>2017</b> , 2, 056102		21
330	Nanomanipulating and Tuning Ultraviolet ZnO-Nanowire-Induced Photonic Crystal Nanocavities. <i>ACS Photonics</i> , <b>2017</b> , 4, 1040-1047	6.3	27
329	Nonlinear silicon photonics. <b>2017</b> , 19, 093002		53
328	Nonclassical light sources for silicon photonics. <b>2017</b> , 26, 24-34		1
327	Ultra-small near-infrared multi-wavelength light source using a heterojunction photonic crystal waveguide and self-assembled InAs quantum dots. <b>2017</b> , 56, 050303		6
326	Photonic and Plasmonic Nanotweezing of Nano- and Microscale Particles. <b>2017</b> , 71, 367-390		18
325	Photonic crystal cavities for optical interconnects. <b>2017</b> , 121-156		0
324	Planarized nanophotonic sensor for real-time fluid sensing. <b>2017</b> , 7, 095306		0
323	Photonic crystal slab cavity simultaneously optimized for ultra-high Q/V and vertical radiation coupling. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 131104	3.4	28
322	Brightly and directionally luminescent single-walled carbon nanotubes in a wedge cavity. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 163104	3.4	4

321	High-Q/V photonic crystal cavities realized by an effective Aubry-Andr�Harper bichromatic potential. <b>2017</b> ,		
320	Fano lines in the reflection spectrum of directly coupled systems of waveguides and cavities: Measurements, modeling, and manipulation of the Fano asymmetry. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	3
319	Printed Nanolaser on Silicon. <i>ACS Photonics</i> , <b>2017</b> , 4, 2117-2123	6.3	21
318	Design of slotted high quality factor photonic-crystal nanocavities embedded in electro-optic polymers. <b>2017</b> , 56, 090304		2
317	Theory of Self-pulsing in Photonic Crystal Fano Lasers. <b>2017</b> , 11, 1700089		16
316	Analytical study of mode degeneracy in non-Hermitian photonic crystals with TM-like polarization. <b>2017</b> , 96,		5
315	Integrated sources of photon quantum states based on nonlinear optics. <b>2017</b> , 6, e17100		119
314	Nanomechanical resonators based on adiabatic periodicity-breaking in a superlattice. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 173107	3.4	6
313	High quality factor confined Tamm modes. <b>2017</b> , 7, 3859		17
312	Enhanced radiative recombination rate for electron-hole droplets in a silicon photonic crystal nanocavity. <b>2017</b> , 96,		7
311	Ultrahigh-Q optomechanical crystal cavities fabricated in a CMOS foundry. <b>2017</b> , 7, 2491		13
310	Single-mode interface states in heterostructure waveguides with Bragg and non-Bragg gaps. <b>2017</b> , 7, 44381		8
309	Photonic-plasmonic hybrid single-molecule nanosensor measures the effect of fluorescent labels on DNA-protein dynamics. <i>Science Advances</i> , <b>2017</b> , 3, e1602991	14.3	41
308	Enhancement of luminescence from Er-doped Si by photonic crystal gradient double-heterostructure microcavity. <i>Optics and Laser Technology</i> , <b>2017</b> , 89, 69-74	4.2	1
307	On chip optical isolator based on non-linear silicon photonic crystal by using asymmetric engineering waveguide. <b>2017</b> , 64, 653-658		3
306	Sensitivity increment of one dimensional photonic crystal biosensor. <b>2017</b> ,		1
305	Enhanced light emission from MoS2 in heterostructure photonic crystal cavities. <b>2017</b> ,		
304	Recent progress in therapeutic diagnosis using photonic crystal nanostructures. <b>2017</b> , 621-656		0

303	Stimulated Brillouin scattering in integrated ring resonators. <b>2017</b> , 34, 937		12
302	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
301	Pico-Kelvin thermometry and temperature stabilization using a resonant optical cavity. <i>Optics Express</i> , <b>2017</b> , 25, 3578-3593	3-3	7
300	All-dielectric integration of dielectric resonator antenna and photonic crystal waveguide. <i>Optics Express</i> , <b>2017</b> , 25, 14706-14714	3-3	27
299	Real-time dynamic sensing with an on-chip nanophotonic sensor. <i>Optics Express</i> , <b>2017</b> , 25, 17201-17210	3-3	3
298	Ultra-high-Q photonic crystal nanocavities fabricated by CMOS process technologies. <i>Optics Express</i> , <b>2017</b> , 25, 18165-18174	3-3	21
297	Ultra-high-Q photonic crystal cavities in silicon rich nitride. <i>Optics Express</i> , <b>2017</b> , 25, 27334-27340	3-3	9
296	Photonic crystal nanocavity with a Q factor exceeding eleven million. <i>Optics Express</i> , <b>2017</b> , 25, 1769-1777	3-3	100
295	Optical fabrication and characterisation of SU-8 disk photonic waveguide heterostructure cavities. <i>Optics Express</i> , <b>2017</b> , 25, 24615-24622	3-3	6
294	CMOS fabricated large array of free standing substrate-less photonic crystal cavities for biosensing applications. <b>2017</b> ,		
293	Surface wave resonance and chirality in a tubular cavity with metasurface design. <i>Optics Communications</i> , <b>2018</b> , 417, 42-45	2	3
292	Nonreciprocal Localization of Photons. <b>2018</b> , 120, 043901		32
291	Diamond in a Nanopocket: A New Route to a Strong Purcell Effect. <b>2018</b> , 3, 4733-4742		6
290	Liquid-assisted tunable metasurface for simultaneous manipulation of surface elastic and acoustic waves. <b>2018</b> , 8, 035026		9
289	Two-dimensional photonic crystal slab nanocavities on bulk single-crystal diamond. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 141102	3-4	38
288	Hybrid Photonic Crystal-Surface Plasmon Polariton Waveguiding System for On-Chip Sensing Applications. <b>2018</b> , 2, 864		2
287	Light Confinement in Resonators Based on Bloch Surface Waves. <b>2018</b> ,		
286	Photolithographically fabricated silicon photonic crystal nanocavity photoreceiver with laterally integrated p-i-n diode. <b>2018</b> , 8, 105224		

285	All-optical radio-frequency modulation of Anderson-localized modes. <b>2018</b> , 98,		3
284	Surface plasmon polariton nanolasers: Coherent light sources for new applications. <b>2018</b> , 27, 114208		7
283	Sensitivity enhancement of 1-D photonic crystal by waveguide width variation for biosensing application. <b>2018</b> ,		
282	Two dimensional photonic crystal nanocavities with InAs/GaAs quantum dot active regions embedded by MBE regrowth. <b>2018</b> , 57, 08PD03		1
281	Quality Factor Control in Laterally-Coupled Vertical Cavities. <b>2018</b> ,		
280	Optimization of photonic crystal nanocavities based on deep learning. <i>Optics Express</i> , <b>2018</b> , 26, 32704-32717	33	77
279	Photonic Crystal Lasers and Nanolasers on Silicon. <b>2018</b> , 99, 97-137		2
278	Investigation of dependence the hole radius formed in InGaP on the group velocity, quality factor and defect band structures. <b>2018</b> , 50, 1		
277	Unidirectional light transport in dynamically modulated waveguides. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4-3	6
276	Photonic Crystal Nanocavities With an Average Q Factor of 1.9 Million Fabricated on a 300-mm-Wide SOI Wafer Using a CMOS-Compatible Process. <b>2018</b> , 36, 4774-4782		16
275	Effect of phonon coupling on the cooperative two-photon emission from two quantum dots. <b>2018</b> , 98,		3
274	Progress in thin-film silicon solar cells based on photonic-crystal structures. <b>2018</b> , 57, 060101		11
273	Engineering of Hybrid Nanoporous Anodic Alumina Photonic Crystals by Heterogeneous Pulse Anodization. <b>2018</b> , 8, 9455		14
272	Superconducting nanowire single-photon detector implemented in a 2D photonic crystal cavity. <b>2018</b> , 5, 658		40
271	Dynamic tuning of the Q factor in a photonic crystal nanocavity through photonic transitions. <i>Optics Letters</i> , <b>2018</b> , 43, 3945-3948	3	1
270	Label-Free Optical Single-Molecule Micro- and Nanosensors. <b>2018</b> , 30, e1801246		28
269	Quantum state transfer between nitrogen vacancy centers coupled to photonic crystal molecule in the off resonant regime. <b>2018</b> , 104, 261-267		6
268	Detection and Digital Resolution Counting of Nanoparticles with Optical Resonators and Applications in Biosensing. <b>2018</b> , 6, 13		0

267	Time-resolved vacuum Rabi oscillations in a quantum-dot nanocavity system. <b>2018</b> , 97,		6
266	Implementation of a Toffoli gate using an array of coupled cavities in a single step. <b>2018</b> , 8, 5813		5
265	Enhancement and reproducibility of high quality factor, one-dimensional photonic crystal/photonic wire (1D PhC/PhW) microcavities. <b>2018</b> , 14,		4
264	Degenerate band edge laser. <b>2018</b> , 97,		24
263	Photonic Crystal Devices in Silicon Photonics. <b>2018</b> , 106, 2183-2195		13
262	Experimental realization of deep-subwavelength confinement in dielectric optical resonators. <i>Science Advances</i> , <b>2018</b> , 4, eaat2355	14-3	63
261	Lasing Dynamics of Optically-Pumped Ultralow-Threshold Raman Silicon Nanocavity Lasers. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4-3	12
260	Oxides: An answer to the qubit problem?. <b>2019</b> , 33, 1930003		0
259	Quantitative depth evaluation of microgrooves on polymer material beyond the diffraction limit. <b>2019</b> , 59, 56-65		1
258	2D to 3D Manipulation and Assembly of Microstructures Using Optothermally Generated Surface Bubble Microrobots. <i>Small</i> , <b>2019</b> , 15, e1902815	11	13
257	Nanolayer-embedded pseudo-photonic crystals. <b>2019</b> , 30, 47LT01		
256	A Theoretical Study on Rib-Type Photonic Wires Based on LiNbO3 Thin Film on Insulator. <b>2019</b> , 2, 1900115		4
255	Whispering gallery modes enhance the near-infrared photoresponse of hourglass-shaped silicon nanowire photodiodes. <b>2019</b> , 2, 572-579		16
254	Optical bistable switch based on the nonlinear Kerr effect of chalcogenide glass in a rectangular defect of a photonic crystal. <b>2019</b> , 18, 1450-1454		1
253	Tamm plasmon photonic crystals: From bandgap engineering to defect cavity. <b>2019</b> , 4, 106101		19
252	. <b>2019</b> , 37, 2458-2466		7
251	A reduced symmetric 2D photonic crystal cavity with wavelength tunability. <b>2019</b> , 52, 325103		
250	High-Q photonic crystal heterostructure microcavities by tuning air holes. <i>Optics Communications</i> , <b>2019</b> , 446, 88-92	2	3

249	Topology Optimization of Photonic and Phononic Crystals and Metamaterials: A Review. <b>2019</b> , 2, 1900017	45
248	On-chip dynamic time reversal of light in a coupled-cavity system. <b>2019</b> , 4, 030806	4
247	High-Q 2D Lithium Niobate Photonic Crystal Slab Nanoresonators. <b>2019</b> , 13, 1800228	16
246	Polar-Induced Selective Epitaxial Growth of Multijunction Nanoribbons for High-Performance Optoelectronics. <b>2019</b> , 11, 15813-15820	5
245	Optical Refractive Index Sensors with Plasmonic and Photonic Structures: Promising and Inconvenient Truth. <b>2019</b> , 7, 1801433	156
244	Surface-Emitting Surface Plasmon Polariton Laser in a Second-Order Distributed Feedback Defect Cavity. <i>ACS Photonics</i> , <b>2019</b> , 6, 612-619	6.3 3
243	FPGA Implementation of segmented feature fusion in MRI images using wavelet. <b>2019</b> ,	0
242	Prediction of the Student Graduation Level using C4.5 Decision Tree Algorithm. <b>2019</b> ,	1
241	A Protocol Conversion Scheme Between WIA-PA Networks and Time-Sensitive Networks. <b>2019</b> ,	
240	Table of contents. <b>2019</b> ,	
239	Modeling of the process of critical competencies management in the multi-project environment. <b>2019</b> ,	9
238	Design of High-Voltage Pulse Generator Control System for CSNS Linac RF System. <b>2019</b> ,	
237	Control for IT2 Fuzzy-Model-Based Systems Subject to Randomly Occurred Cyber Attacks and Packet Dropouts. <b>2019</b> ,	
236	Controlling Complexity and Accuracy of Classification Decision Tree Extracted from Trained Artificial Neural Network. <b>2019</b> ,	
235	Heart Rate Measurement Using Air Pressure Sensor for Elderly Caring System. <b>2019</b> ,	
234	Parameters evaluation of a permanent magnet synchronous generator with modular stator. <b>2019</b> , 17, 1678-1685	1
233	2019 Index IEEE Transactions on Haptics Vol. 12. <b>2019</b> , 12, 671-681	
232	Effect of Music Training on the Production of English Lexical Stress by Chinese English Learners. <b>2019</b> ,	

231	Tyre Defect Detection Based on GLCM and Gabor Filter. <b>2019,</b>	1
230	. <b>2019,</b>	
229	Research on Cognitive Diagnosis System Based on Production and Education Integration in Wind Power Operation and Maintenance. <b>2019,</b>	
228	A Particle Swarm Optimization Parameter Identification Algorithm based on Model Predictive Control of Wireless Power Transfer System. <b>2019,</b>	1
227	CRB-based performance analysis of semi-blind channel estimation for massive MIMO-OFDM systems with pilot contamination. <b>2019,</b> 13, 3479-3488	2
226	IEEE Sensors Journal publication information. <b>2019,</b> 19, C2-C2	
225	Three-stage Filter Compensating Installation of Traction Network of Alternating Current. <b>2019,</b>	1
224	. <b>2019,</b>	3
223	Welcome Message from the Program Chairs. <b>2019,</b>	
222	Outage Performance of the Integrated Satellite-Terrestrial Network Based on the SNR Threshold. <b>2019,</b>	1
221	Cache Efficient Value Iteration. <b>2019,</b>	1
220	Large Zero Correlation Zones of Golay Complementary Sets. <b>2019,</b>	
219	Spin Plasmonics and Surface Enhanced Raman Spectroscopy in Label Free Biomolecular Sensing. <b>2019,</b>	1
218	Cryptographic Strength and Machine Learning Security for Low Complexity IoT Sensors. <b>2019,</b>	0
217	. <b>2019,</b>	
216	Learning to Assemble Neural Module Tree Networks for Visual Grounding. <b>2019,</b>	36
215	Analyzing the Effects of LED Lamp Arrangements on Performance of an Indoor Visible Light Communication System. <b>2019,</b>	1
214	Big SAR data processing: Topographic and vegetation/land-use discovery for SAR data structurization. <b>2019,</b>	

213	Zoom In, Zoom Out: Injecting Scale Invariance into Landuse Classification CNNs. <b>2019,</b>	0
212	Hybrid coupler for 6.78 MHz desktop wireless power transfer applications with stable open-loop gain. <b>2019, 12, 2642-2649</b>	3
211	Gate Stack Optimization Toward Disturb-Free Operation of Ferroelectric HSO based FeFET for NAND Applications. <b>2019,</b>	3
210	Optical Wireless Systems for High Energy Physics: Design and Characterization. <b>2019,</b>	0
209	Brain Tumor Classification using SVM and Bag of Visual Word classifier. <b>2019,</b>	2
208	Research on Related Problems of Unmanned Underwater Vehicle Anti-Submarine Warfare. <b>2019,</b>	0
207	Multi-Criterial Assessment of the Uniformity of the Electrical Potential of Micro-Films. <b>2019,</b>	0
206	Research on Extreme Value Distribution of Cutting Force in CNC Lathe Based on Generalized Extreme Value Distribution. <b>2019,</b>	0
205	An attention-based neural network basecaller for Oxford Nanopore sequencing data. <b>2019,</b>	3
204	. <b>2019,</b>	31
203	Compressive-Sensed Image Coding via Multi-layer Closed-Loop Prediction. <b>2019,</b>	
202	Lina: Timing-Constrained High-Level Synthesis Performance Estimator for Fast DSE. <b>2019,</b>	
201	Optomechanical gigahertz oscillator made of a two photon absorption free piezoelectric III/V semiconductor. <b>2019, 4, 116103</b>	13
200	Modulated photonic-crystal surface-emitting laser with elliptical lattice points for two-dimensional coupling enhancement. <b>2019, 9, 115204</b>	3
199	Iterative optimization of photonic crystal nanocavity designs by using deep neural networks. <b>2019, 8, 2243-2256</b>	21
198	Dual effects of disorder on the strongly-coupled system composed of a single quantum dot and a photonic crystal L3 cavity. <b>2019, 62, 1</b>	3
197	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. <b>2019, 13, 1800258</b>	10
196	Impact of dipole orientation on strongly-coupled system composed of a single quantum dot and a photonic crystal L3 cavity. <b>2019, 52, 035503</b>	1



195	A Cratered Photonic Crystal Cavity Mode for Nonlocal Exciton-Photon Interactions. <b>2020</b> , 3, 1900024		1
194	Detrimental Fluctuation of Frequency Spacing Between the Two High-Quality Resonant Modes in a Raman Silicon Nanocavity Laser. <b>2020</b> , 26, 1-12		7
193	Suppressing material loss in the visible and near-infrared range for functional nanophotonics using bandgap engineering. <b>2020</b> , 11, 5055		17
192	Light-matter interactions with photonic quasiparticles. <b>2020</b> , 2, 538-561		57
191	Dynamics of mode-locked nanolasers based on Hermite-Gaussian modes. <i>Physical Review A</i> , <b>2020</b> , 102,	2.6	3
190	CORNERSTONE Silicon Photonics Rapid Prototyping Platforms: Current Status and Future Outlook. <b>2020</b> , 10, 8201		6
189	Purcell enhancement of a deterministically coupled quantum dot in an SU-8 laser patterned photonic crystal heterostructure. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 043103	3-4	2
188	Critical Review: digital resolution biomolecular sensing for diagnostics and life science research. <b>2020</b> , 20, 2816-2840		13
187	Recent Progress in Nanolaser Technology. <b>2020</b> , 32, e2001996		17
186	[Blank page]. <b>2020</b> , 67, C4-C4		
185	Optical detection for magnetic field using Ni-subwavelength grating on SiO <sub>2</sub> /thin-film Ag/glass structure. <b>2020</b> , 10, 19298		2
184	Design of 2D GaN photonic crystal based on hole displacement for L3 cavity. <b>2020</b> , 10, 184798042096688		0
183	Opto-Mechanical Photonic Crystal Cavities for Sensing Application. <b>2020</b> , 10, 7080		7
182	Virtual Critical Coupling. <i>ACS Photonics</i> , <b>2020</b> , 7, 1468-1475	6.3	14
181	Surface-passivated high-Q GaAs photonic crystal nanocavity with quantum dots. <b>2020</b> , 5, 046106		19
180	Photonic Crystal Circular Nanobeam Cavity Laser with Type-II GaSb/GaAs Quantum Rings as Gain Material. <b>2020</b> , 10, 4757		2
179	Unified Integration Space of Multi-FET Active Frequency Multiplier and Multiport Antenna. <b>2020</b> , 30, 429-432		5
178	Optimal design and fabrication of ITO photonic crystal using e-beam patterned hydrogen silsesquioxane resist. <b>2020</b> , 38, 022802		

177	Fast Hardware Approach to Determining Mutual Coupling of Series-Series-Compensated Wireless Power Transfer Systems With Active Rectifiers. <b>2020</b> , 35, 11026-11038		14
176	Just Noticeable Difference Level Prediction for Perceptual Image Compression. <b>2020</b> , 66, 690-700		7
175	Integrated Raman Laser: A Review of the Last Two Decades. <i>Micromachines</i> , <b>2020</b> , 11,	3-3	9
174	. <b>2020</b> , 8, 65658-65669		6
173	[Inside front cover]. <b>2020</b> , 7, c2-c2		
172	Nanophotonic devices based on oxide-cladding aluminum nitride photonic crystals—numerical studies. <b>2020</b> , 81-108		
171	LCBM: A Multi-View Probabilistic Model for Multi-Label Classification. <b>2021</b> , 43, 2682-2696		2
170	Continuous-wave quantum dot photonic crystal lasers grown on on-axis Si (001). <b>2020</b> , 11, 977		24
169	Statistical evaluation of Q factors of fabricated photonic crystal nanocavities designed by using a deep neural network. <b>2020</b> , 13, 012002		7
168	Qsparse-Local-SGD: Distributed SGD With Quantization, Sparsification, and Local Computations. <b>2020</b> , 1, 217-226		12
167	Membrane III-V/Si DFB Laser Using Uniform Grating and Width-Modulated Si Waveguide. <b>2020</b> , 38, 2961-2967	3	
166	. <b>2020</b> , 108, 628-654		18
165	Nonreciprocal Isolation and Wavelength Conversion via a Spatiotemporally Engineered Cascaded Cavity. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4-3	0
164	. <b>2021</b> , 23, 510-523		1
163	Laplacian Regularized Nonnegative Representation for Clustering and Dimensionality Reduction. <b>2021</b> , 31, 1-14		9
162	Recent Progress of Optoelectronic and All-Optical Neuromorphic Devices: A Comprehensive Review of Device Structures, Materials, and Applications. <b>2021</b> , 3, 2000119		13
161	Recent advances in nanocavities and their applications. <b>2021</b> , 57, 4875-4885		4
160	Localization of water surface waves in a heterostructure channel with corrugated sidewalls. <b>2021</b> , 11, 015336		

159	Ultracompact gas-sensor based on a 2D photonic crystal waveguide incorporating with tapered microcavity. <b>2021</b> , 1046, 012001		
158	Experimental Realization of Optimal Energy Storage in Resonators Embedded in Scattering Media. <b>2021</b> , 15, 2000335		3
157	Efficient light-trapping sheet for the entire visible spectrum by using stacked concentric grating couplers. <b>2021</b> , 14, 042006		
156	Fabrication and characterization of an L3 nanocavity designed by an iterative machine-learning method. <b>2021</b> , 6, 036113		4
155	Dispersion characteristics of rib-type LiNbO3 photonic wires. <b>2021</b> , 114, 110972		
154	Detection of negatively ionized air by using a Raman silicon nanocavity laser. <i>Optics Express</i> , <b>2021</b> , 29, 16228-16240	3-3	4
153	Fabrication of high Aspect-Ratio Si Pillar-based Hybrid plasmonic-photonic Crystal Waveguides for ultra-sensitive Infrared Gas-sensing Applications. <b>2021</b> ,		0
152	Deterministic preparation of W states via spin-photon interactions. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	6
151	Sub-100-nW-threshold Raman silicon laser designed by a machine-learning method that optimizes the product of the cavity Q-factors. <i>Optics Express</i> , <b>2021</b> , 29, 17053-17068	3-3	5
150	10 nm SiO2 TM Slot Mode in Laterally Mismatched Asymmetric Fin-Waveguides. <i>Frontiers in Physics</i> , <b>2021</b> , 9,	3-9	
149	High Q Chalcogenide Photonic Crystal Nanobeam Cavities. <b>2021</b> , 33, 525-528		1
148	Effective field theory for distorted photonic crystals. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	
147	Vacuum Rabi Splitting of a Single Nitrogen-Vacancy Center Coupled to a Photonic Crystal Nanocavity. <b>2021</b> , 60, 3188-3196		2
146	Creation of silicon vacancy color centers with a narrow emission line in nanodiamonds by ion implantation. <b>2021</b> , 11, 1978		4
145	1.2- $\mu\text{m}$ -band ultrahigh-Q photonic crystal nanocavities and their potential for Raman silicon lasers. <i>Optics Express</i> , <b>2021</b> , 29, 24396-24410	3-3	2
144	Fabrication of Detonation Nanodiamonds Containing Silicon-Vacancy Color Centers by High Temperature Annealing. <b>2021</b> , 218, 2100144		2
143	Silicon photonic quantum computing with spin qubits. <b>2021</b> , 6, 070901		4
142	Multifunctional and reconfigurable graphene/liquid crystal-assisted asymmetrical Fabry-Pérot cavity for reflected light control. <i>Optics Express</i> , <b>2021</b> , 29, 27816-27829	3-3	1

141	Ultra-coherent Fano laser based on a bound state in the continuum. <i>Nature Photonics</i> , <b>2021</b> , 15, 758-764	33.9	11
140	Optimization and robustness of the topological corner state in second-order topological photonic crystals. <i>Optics Express</i> , <b>2021</b> , 29, 30735-30750	3.3	3
139	Design of bullseye optical cavity toward efficient quantum media conversion using gate-defined quantum dot. <b>2021</b> , 60, 102003		1
138	Er <sup>3+</sup> -Doped Lithium Niobate Thin Film: A Material Platform for Ultracompact, Highly Efficient Active Microphotonic Devices. 2100081		1
137	Spontaneous emission in micro- or nanophotonic structures. <b>2021</b> , 2,		5
136	Doubly resonant distributed feedback cavity with controllable wide wavelength separation. <i>Optics Communications</i> , <b>2021</b> , 494, 127064	2	1
135	Design of mesoscopic self-collimating photonic crystals under oblique incidence. <i>Optics Express</i> , <b>2021</b> , 29, 33380-33397	3.3	1
134	Determination of Nonlinear Optical Efficiencies of Ultrahigh-Q Photonic Crystal Nanocavities with Structural Imperfections. <i>ACS Photonics</i> ,	6.3	0
133	Achieving High Transmission and Q Bragg Filter via Balancing Dissipation and Radiation Loss. <b>2021</b> , 13, 1-5		0
132	Enhanced Photon-Emitter Coupling in Micro/Nano Photonic Structures. <b>2021</b> , 27, 1-10		2
131	Raman Lasing in Multimode Silicon Racetrack Resonators. <b>2021</b> , 15, 2000336		10
130	Applications: Nanophotonics and Plasmonics. <b>2011</b> , 417-444		4
129	Photonic Crystals. <b>2008</b> , 101-112		1
128	High efficiency GaN-based LEDs: light extraction by photonic crystals. <b>2006</b> , 31, 1-235		9
127	Robust localized zero-energy modes from locally embedded PT-symmetric defects. <b>2020</b> , 2,		6
126	Theory of intrinsic propagation losses in topological edge states of planar photonic crystals. <b>2020</b> , 2,		9
125	Two-dimensional fivefold photonic crystal microcavity. <b>2017</b> , 11, 1		1
124	Fine tuning of transmission features in nanoporous anodic alumina distributed Bragg reflectors. <b>2018</b> ,		1

123	Nonlinear Optics in Silicon Photonic Crystal Nanocavities. <i>Series in Optics and Optoelectronics</i> , <b>2012</b> , 361-378		1
122	Photonic crystal elliptical-hole tapered low-index-mode nanobeam cavities for sensing. <b>2018</b> , 57, 9822-9827		3
121	Silicon-Carbide-Based Two-Dimensional Photonic Crystal Nanocavities. <b>2010</b> ,		2
120	Exploration of VCSEL ultra-low biasing scheme for pulse generation. <b>2019</b> , 36, 799		7
119	Room temperature continuous-wave nanolaser diode utilized by ultrahigh-Q few-cell photonic crystal nanocavities. <i>Optics Express</i> , <b>2018</b> , 26, 26598-26617	3-3	4
118	Design of thin-film photonic crystals with complete photonic bandgap. <i>Optics Express</i> , <b>2018</b> , 26, 29521-29526		1
117	An electrically injected AlGaIn nanowire defect-free photonic crystal ultraviolet laser. <i>Optics Express</i> , <b>2019</b> , 27, 5843-5850	3-3	18
116	Reconfigurable nanocavity formation in graphene-loaded Si photonic crystal structures. <i>Optics Express</i> , <b>2019</b> , 27, 37952	3-3	1
115	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
114	Bloch-surface-wave photonic crystal nanobeam cavity. <i>Optics Letters</i> , <b>2019</b> , 44, 5133-5136	3	9
113	Nanowire photonics toward wide wavelength range and subwavelength confinement [Invited]. <b>2020</b> , 10, 2560		2
112	Strongly asymmetric wavelength dependence of optical gain in nanocavity-based Raman silicon lasers. <b>2018</b> , 5, 1256		12
111	Ultrahigh-Q photonic crystal nanocavities based on 4H silicon carbide. <b>2019</b> , 6, 991		42
110	Doubly resonant ( $\mathbb{Q}$ ) nonlinear photonic crystal cavity based on a bound state in the continuum. <b>2019</b> , 6, 1039		44
109	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
108	Raman silicon laser based on a nanocavity fabricated by photolithography. <i>OSA Continuum</i> , <b>2020</b> , 3, 814	1.4	6
107	Strain shapes the light in a photonic crystal nanocavity. <i>Photonics Research</i> , <b>2020</b> , 8, 24	6	1
106	Ultra-Small Silicon Photonic Wire Waveguide Devices. <b>2009</b> , E92-C, 217-223		6

- 105 Built-In Microplanar Lens for Light Coupling to Two-Dimensional Photonic Crystal Waveguide. **2012**, E95-C, 243-246 2
- 104 Photonic Crystal Based Direct and Inverse Heterostructures by Colloidal Self-Assembly. **2012**, 02, 242-248 5
- 103 High Q Resonant Graphene Absorber with Lossless Phase Change Material SbS. *Nanomaterials*, **2021**, 11, 5-4 0
- 102 Slow light in coupled heterostructure nanocavity waveguides. **2006**,
- 101 Ultra-high-Q Photonic Nanocavities and Trapping of Ultra-short Optical Pulses. **2006**,
- 100 Recent Progress of Two-Dimensional Si Photonic Crystal Slab Structures. *The Review of Laser Engineering*, **2006**, 34, 346-352 0
- 99 Dynamic nonlinear control of resonator-waveguide coupled system in photonic crystals. *The Review of Laser Engineering*, **2006**, 34, S43-S44 0
- 98 Manipulation of Photons by Photonic Crystals. **2006**,
- 97 All-Optical Control of Photonic Crystal Nanocavities. **2006**,
- 96 ??????????????Q??????. *The Review of Laser Engineering*, **2006**, 34, S39-S40 0
- 95 Dispersion-Compensation in High-Q Silica Microspheres for Parametric Oscillation. **2007**,
- 94 Quantum computation with donor-based qubits in silicon cavities. **2007**,
- 93 Double-Heterostructure Photonic Crystal Lasers with Reduced Threshold Pump Power and Increased Slope Efficiency Obtained by Quantum Well Intermixing. **2008**,
- 92 Slow Light Media Based on Ultrahigh-Q Nanocavities. **2008**,
- 91 Photonic crystal laser threshold analysis using 3D FDTD with a material gain model. **2009**,
- 90 Increasing the Q Factor and Controlling the Resonant Wavelength of Photonic Crystal Nanocavities. **2009**,
- 89 Optical Characteristics of Two-dimensional Silicon Photonic Crystal Slab Structures with Air and Silica Cladding. **2009**, 20, 211-216
- 88 Fiber-based spectroscopy of 1.55  $\mu\text{m}$  PbS Quantum Dots coupled to Si Microcavities. **2010**,

- 87 Deterministic Design of Ultrahigh Q and Small Mode Volume Photonic Crystal Nanobeam Cavity. **2010,**
- 86 Engineering cavity modes in photonic crystal double-heterostructures. **2010,**
- 85 Hollow-core high-Q micro-cavities in three-dimensional photonic crystals. **2010,**
- 84 All-Optical Controlled-Transport of Nanoparticles on Wedge-Shaped Photonic Crystal Waveguides. **2010,**
- 83 The Evolution of Photoinduced Photonic Crystal Cavities During Writing. **2010,**
- 82 High-Q Photonic Crystal Microcavities. *Springer Series in Optical Sciences*, **2010**, 327-359 0.5
- 81 Fluid-Controlled Optical Elements. **2010**, 8-1-8-19
- 80 Functional Devices in Photonic Crystals for Future Photonic Integrated Circuits. **2010**, 71-716
- 79 Quantum Dot Microcavity Lasers. **2010**, 101-1023
- 78 Full Phononic Bandgap in 2D-Optomechanical Crystals. **2011,**
- 77 Nanostrain Sensing Based on Piezo-Optic Property of a Photonic Crystal Cavity. *IEEJ Transactions on Sensors and Micromachines*, **2011**, 131, 258-263 0.2
- 76 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
- 75 Photonic Crystal Cavity Lasers. **2012**, 131-158
- 74 A Hollow-core Cavity in Three-layer Photonic Crystals. **2012,**
- 73 Numerical simulation and analysis of a high-Q two-dimensional photonic crystal L3 microcavity. *Wuli Xuebao/Acta Physica Sinica*, **2012**, 61, 034209 0.6 1
- 72 Property Investigation of Double-heterostructure Photonic Crystal Cavity. **2012,**
- 71 Self-Optimization of Optical Confinement and Lasing Action in Disordered Photonic Crystals. *Series in Optics and Optoelectronics*, **2012**, 395-414
- 70 Strong Light Confinement by Perturbed Photonic Crystals and Photonic Amorphous Structures. *Series in Optics and Optoelectronics*, **2012**, 343-360

- 69 Cavity Quantum Electrodynamics in Semiconductors: Quantum Dot-Photonic Crystal Nanocavity Coupled Systems. *The Review of Laser Engineering*, **2013**, 41, 485 0
- 68 Design of an Electronic Image Processing Waveguide with Defects Based on Triangular Lattice Photonic Crystal. *Lecture Notes in Electrical Engineering*, **2013**, 513-519 0.2
- 67 Ultralow-threshold Continuous-wave Raman Silicon Laser Using a Photonic Crystal High-Q Nanocavity. **2013**,
- 66 Defense Applications for Nanophotonics. **2013**, 407-426
- 65 Development of Additional Technological Approaches. *Springer Theses*, **2014**, 101-119 0.1
- 64 Photonic Transition in Nanophotonics. *Springer Series in Optical Sciences*, **2012**, 343-364 0.5
- 63 Photonic Crystal Microcavities and Microlasers. **2014**, 1-25
- 62 Optical Nanoantennas. **2015**, 1-33 0
- 61 Optomechanical Crystals Fabricated by a CMOS Foundry. **2015**,
- 60 Technological Applications of Hydrogenated Dilute Nitrides and Perspectives. **2015**, 237-274
- 59 Low Dielectric Contrast Photonic Crystals. 273-290
- 58 Miniaturization of Semiconductor Lasers with Photonic Crystal Technologies. *The Review of Laser Engineering*, **2016**, 44, 514 0
- 57 Chapter 15 Biological Applications of Silicon Nanostructures. **2016**, 457-494
- 56 Time-Domain Observation of Vacuum Rabi Oscillations in a Strongly Coupled Quantum Dot-Nanocavity System. **2017**,
- 55 High-Q Nanocavities based on Two-Dimensional Photonic Crystals. **2017**,
- 54 Nanoscale silicon in photonics and photovoltaics. *Series in Materials Science and Engineering*, **2017**, 593-616
- 53 GaN-Based Surface-Emitting Lasers. *Series in Optics and Optoelectronics*, **2017**, 557-594
- 52 Nondetrimental Surface Modification of Ultrahigh-Q Photonic Crystal Silicon Nanocavities. **2018**,



51	Robust Excitation of High-Q Nanocavities via a Super-Luminescent Diode. <b>2018</b> ,		1
50	Surface modification of nanoporous anodic alumina photonic crystals for photocatalytic applications. <b>2018</b> ,		
49	Reconfigurable nanocavity formation in graphene-loaded Si photonic crystal structures. <i>Optics Express</i> , <b>2019</b> , 27, 37952-37963	3.3	
48	Dynamic trapping and releasing photonics beyond delay-bandwidth limit in cascaded photonic crystal nanocavities. <i>New Journal of Physics</i> , <b>2020</b> , 22, 063030	2.9	2
47	Observation of miniaturized bound states in the continuum with ultra-high quality factors. <i>Science Bulletin</i> , <b>2021</b> , 67, 359-359	10.6	9
46	Plasmonic band structures and its applications. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2020</b> , 69, 157301	0.6	2
45	Raman Silicon Laser Using a Photonic Crystal Nanocavity. <i>The Review of Laser Engineering</i> , <b>2020</b> , 42, 250	0	
44	Vector beams in planar photonic crystal cavities with rotating air holes. <i>Optics Letters</i> , <b>2020</b> , 45, 1587-1590		1
43	Auxiliary cavity enhanced dipole induced transparency and fast to slow light using cavity quantum electrodynamics in a photonic crystal nanocavity. <i>OSA Continuum</i> , <b>2020</b> , 3, 929	1.4	0
42	Nanowire-assisted microcavity in a photonic crystal waveguide and the enabled high-efficiency optical frequency conversions. <i>Photonics Research</i> , <b>2020</b> , 8, 1734	6	1
41	High finesse microcavities in the optical telecom O-band. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 221112	3.4	3
40	Modal Properties of Photonic Crystal Cavities and Applications to Lasers. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
39	Observing 0D subwavelength-localized modes at ~100 THz protected by weak topology. <i>Science Advances</i> , <b>2021</b> , 7, eabl3903	14.3	1
38	Analysis on slotted photonic crystal cavity and waveguide combination in silicon-on-insulator platform. <i>Optik</i> , <b>2022</b> , 251, 168465	2.5	1
37	Engineering Chiral Light-Matter Interactions in a Waveguide-Coupled Nanocavity.. <i>ACS Photonics</i> , <b>2022</b> , 9, 706-713	6.3	0
36	Photonic crystal based heterostructures in the control of emission and diffraction features. <i>ISSS Journal of Micro and Smart Systems</i> , 1	0.9	1
35	Low-Symmetry Nanophotonics. <i>ACS Photonics</i> , <b>2022</b> , 9, 2-24	6.3	0
34	Photonic metacrystal: design methodology and experimental characterization.. <i>Optics Express</i> , <b>2022</b> , 30, 7612-7624	3.3	0

33	Single Virus Detection on Silicon Photonic Crystal Random Cavities.. <i>Small</i> , <b>2022</b> , e2107597	11	1
32	Enhanced Light-Matter Interaction in Two-Dimensional Transition Metal Dichalcogenides.. <i>Reports on Progress in Physics</i> , <b>2021</b> ,	14.4	4
31	Detection of ionized air using a photonic-crystal nanocavity excited by broadband light from a superluminescent diode.. <i>Optics Express</i> , <b>2022</b> , 30, 10694-10708	3.3	0
30	Mode selection in InGaAs/InGaAsP quantum well photonic crystal lasers based on coupled double-heterostructure cavities.. <i>Optics Express</i> , <b>2022</b> , 30, 10229-10238	3.3	0
29	Fundamentals and Applications of Topological Polarization Singularities. <i>Frontiers in Physics</i> , <b>2022</b> , 10,	3.9	
28	Acousto-optical coupling of the side surface acoustic and optical waves in a two-dimensional phoxonic crystal slab hetero-structure cavity. <i>Optics Communications</i> , <b>2022</b> , 513, 128095	2	
27	LNOI photonic wire switch based on phase transition material. <i>Optics and Laser Technology</i> , <b>2022</b> , 150, 107972	4.2	1
26	Electrically controlled on-demand photon transfer between high-Q photonic crystal nanocavities on a silicon chip. <i>Nature Photonics</i> , <b>2022</b> , 16, 113-118	33.9	4
25	Manipulating photons in a way like an optical tweezer. <i>New Journal of Physics</i> ,	2.9	
24	Nanoscale Double-Heterojunctional Electrocatalyst for Hydrogen Evolution.. <i>Advanced Science</i> , <b>2022</b> , e2201339	13.6	6
23	Manipulating Photons with a Dynamic Nanocavity. <i>Springer Proceedings in Physics</i> , <b>2022</b> , 525-532	0.2	
22	Trapping and Storing Photons via a Dynamically-Formed Nanocavity. <i>Springer Proceedings in Physics</i> , <b>2022</b> , 501-505	0.2	
21	Breaking the Delay-Bandwidth Limit in a Dynamically Tuned Nanocavity. <i>Springer Proceedings in Physics</i> , <b>2022</b> , 507-513	0.2	
20	Investigation of the Dynamic Features of a Moveable Ultrahigh-Q Nanocavity. <i>SSRN Electronic Journal</i> ,	1	
19	Quantum statistics engineering in a hybrid nanoparticle-emitter-cavity system. <i>Physical Review A</i> , <b>2022</b> , 105,	2.6	
18	Review of Bubble Applications in Microrobotics: Propulsion, Manipulation, and Assembly. <i>Micromachines</i> , <b>2022</b> , 13, 1068	3.3	1
17	Asymmetric Localization of Light by Second-Harmonic Generation. <i>Physical Review Applied</i> , <b>2022</b> , 18,	4.3	
16	Improved Q-factors of III-nitride-based photonic crystal nanocavities by optical loss engineering. <i>Optics Express</i> ,	3.3	1

15	Investigation of the dynamic features of a moveable ultrahigh-Q nanocavity. <i>Results in Physics</i> , <b>2022</b> , 40, 105796	3-7
14	GENERATION AND ROBUSTNESS OF QUANTUM MEMORY-ASSISTED ENTROPIC UNCERTAINTY AND UNCERTAINTY-INDUCED NONLOCALITY OF TWO NITROGEN-VACANCY CENTERS COUPLED BY OPEN TWO NANOCAVITIES. <b>2022</b> , 30,	
13	Photonic crystal nanobeam cavity with a high experimental Q factor exceeding two million based on machine learning. <b>2022</b> , 1-9	o
12	Vertical cavity using a heterostructure dual-period high-contrast grating. <b>2022</b> ,	o
11	PT symmetric single-mode line-defect photonic crystal lasers with asymmetric loss design.	o
10	Designing Fano-resonances based temperature sensor by side-coupling double cavities to waveguide in photonic crystals.	o
9	Twisted Lattice Nanocavity with Theoretical Quality Factor Exceeding 200 Billion. <b>2022</b> ,	o
8	High-Q 100 GHz Photonic Crystal Resonator Fabricated From a Cyclic Olefin Copolymer. <b>2022</b> , 1-4	o
7	Deep reinforcement learning empowers automated inverse design and optimization of photonic crystals for nanoscale laser cavities. <b>2023</b> ,	o
6	Novel Photonic Applications of Silicon Carbide. <b>2023</b> , 16, 1014	1
5	Physics of photonic crystals and applications. <b>2023</b> , 313-327	o
4	?????????????????????. <b>2023</b> , 60, 0528001	o
3	Entanglement generation by strong coupling between surface lattice resonance and exciton in an Al nanoarray-coated WS <sub>2</sub> quantum emitter. <b>2023</b> , 18,	o
2	Improved design and experimental demonstration of ultrahigh-Q C <sub>6</sub> -symmetric H <sub>1</sub> hexapole photonic crystal nanocavities. <b>2023</b> , 31, 11864	o
1	Raman silicon nanocavity laser with efficient light emission from the edge of an adjacent waveguide. <b>2023</b> , 31, 14317	o