

CITATION REPORT

List of articles citing

Photonic crystals in the optical regime past, present and future

DOI: 10.1016/s0079-6727(99)00004-x

Progress in Quantum Electronics, 1999, 23, 51-96.

Source: <https://exaly.com/paper-pdf/30290176/citation-report.pdf>

Version: 2024-04-28

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
405	Photonic dispersions of semiconductor-quantum-dot-array-based photonic crystals in primitive and face-centered cubic lattices. 2000 , 27, 255-264		26
404	Band gap studies of triangular 2D photonic crystals with varying pore roundness. 2000 , 115, 227-232		15
403	Colloidal crystals as templates for porous materials. 2000 , 5, 56-63		305
402	Fabrication of photonic crystals for the visible spectrum by holographic lithography. 2000 , 404, 53-6		1443
401	Complete photonic bandgaps in 12-fold symmetric quasicrystals. 2000 , 404, 740-3		451
400	Scattering of elastic waves by periodic arrays of spherical bodies. 2000 , 62, 278-291		255
399	Energy flow in photonic crystal waveguides. 2000 , 61, 15688-15696		61
398	Conditions of single guided mode in two-dimensional triangular photonic crystal slab waveguides. 2000 , 88, 4941-4946		23
397	Phase matching in nonlinear $\chi^{(2)}$ photonic crystals. 2000 , 25, 1204-6		62
396	Opal-based photonic crystal with double photonic bandgap structure. 2000 , 12, 8221-8229		37
395	Three-dimensional self-assembly of metal nanoparticles: Possible photonic crystal with a complete gap below the plasma frequency. 2001 , 64,		94
394	Bend loss in surface plasmon polariton band-gap structures. 2001 , 79, 1076-1078		54
393	Observation of propagation of surface plasmon polaritons along line defects in a periodically corrugated metal surface. 2001 , 26, 734-6		26
392	Formation of a microfiber bundle by interference of three noncoplanar beams. 2001 , 26, 1858-60		46
391	Isotropic photonic structures: Archimedean-like tilings and quasi-crystals. 2001 , 37, 1427-1434		39
390	Waveguiding in surface plasmon polariton band gap structures. 2001 , 86, 3008-11		389
389	Colloidal crystal templating of three-dimensionally ordered macroporous solids: materials for photonics and beyond. 2001 , 5, 553-564		396

388	Defect modes in coaxial photonic crystals. 2001 , 90, 2642-2649	36
387	Finite-difference time-domain modelling of photonic crystal structures.	
386	Photonic crystals and photonic microstructures: technologies and device potential.	
385	Photonic band-gap effect, localization, and waveguiding in the two-dimensional Penrose lattice. 2001 , 63,	60
384	ASSEMBLY OF COLLOIDAL PARTICLES INTO NANOSTRUCTURED MATERIALS AND MICROSCOPIC DEVICES. 2001 , 125-167	1
383	Electromagnetic field in a slab of photonic crystal by BPM. 2001 , 35, 67-78	3
382	Designing finite-height photonic crystal waveguides: confinement of light and dispersion relations. 2001 , 194, 341-351	13
381	Surface plasmon polariton propagation along a 90° bent line defect in a periodically corrugated metal surface. 2001 , 196, 41-45	11
380	Multiple-scattering dipole approach to modeling of surface plasmon polariton band gap structures. 2001 , 198, 241-245	30
379	Tailoring and characterization of photonic crystals. 2001 , 2, 35-69	48
378	Photonic crystal integrated optics.	2
377	Realization of robust photonic crystal waveguides designed to reduce out-of-plane scattering.	2
376	Photonic Crystals Made by Holographic Lithography. 2001 , 26, 632-636	26
375	Nanofabrication of two-dimensional photonic crystal mirrors for 1.5 μm short cavity lasers. 2001 , 19, 2775	28
374	Light-Emitting Diodes: Progress in Solid-State Lighting. 2001 , 26, 764-769	29
373	Photonic band gaps and localization in two-dimensional metallic quasicrystals. 2001 , 56, 41-46	21
372	Effect of stacking faults on the optical properties of inverted opals. 2001 , 86, 4811-4	65
371	Nondegenerate monopole-mode two-dimensional photonic band gap laser. 2001 , 79, 3032-3034	87

370	Two-dimensional photonic crystals: Candidate for wave plates. 2001 , 78, 3400-3402	26
369	Transverse magnetic defect modes in two-dimensional triangular-lattice photonic crystals. 2001 , 64, 056614	2
368	Novel monolithic VCSEL devices for datacom applications.	1
367	Modeling of discontinuities in photonic crystal waveguides with the multiple multipole method. 2002 , 66, 036618	34
366	Three-dimensional dielectric photonic crystals of body-centered-tetragonal lattice structure. 2002 , 80, 4702-4704	19
365	Waveguides of defect chains in photonic crystals. 2002 , 65,	24
364	Lossless high-index contrast distributed Bragg reflector.	
363	Second harmonic generation in two-dimensional metal photonic band gap materials. 2002 , 92, 2969-2973	
362	Near-field imaging of light propagation in photonic crystal waveguides: Explicit role of Bloch harmonics. 2002 , 66,	65
361	Fabrication by means of x-ray lithography of two-dimensional GaAs/AlGaAs photonic crystals with an unconventional unit cell. 2002 , 13, 644-652	13
360	Possible effects of redistributed photon density of states on Raman scattering enhancement in mesoscopic structures. 2002 , 4705, 83	3
359	Fabrication of Inverse Opal via Ordered Highly Charged Colloidal Spheres. 2002 , 18, 9116-9120	49
358	Effective equations for photonic-crystal waveguides and circuits. 2002 , 27, 231-3	23
357	All fourteen Bravais lattices can be formed by interference of four noncoplanar beams. 2002 , 27, 900-2	145
356	Formation of three-dimensional periodic microstructures by interference of four noncoplanar beams. 2002 , 19, 2238-44	43
355	Propagation of ultrashort nonlinear pulses through two-dimensional AlGaAs high-contrast photonic crystal waveguides. 2002 , 19, 716	7
354	Nonlinear transmission and light localization in photonic-crystal waveguides. 2002 , 19, 2241	175
353	Low-threshold Photonic Crystal Lasers from InGaAsP Free-standing Slab Structures. 2002 , 6, 59-71	8

352	Polarization optimization in the interference of four umbrellalike symmetric beams for making three-dimensional periodic microstructures. 2002 , 41, 6894-900	6
351	Numerical analysis of propagation and impedance matching in 2D photonic crystal waveguides with finite length. 2002 , 20, 304-310	42
350	Theoretical analysis of finite-height semiconductor-on-insulator-based planar photonic crystal waveguides. 2002 , 20, 1619-1626	14
349	Porous silicon multilayer structures: A photonic band gap analysis. 2002 , 91, 4966-4972	41
348	Localization and waveguiding of surface plasmon polaritons in random nanostructures. 2002 , 89, 186801	79
347	Modelling of photonic crystal devices.	
346	Porous silicon: A photonic material for all seasons.	
345	Bidirectional beam propagation method for multilayered dielectrics with quadratic nonlinearity. 2002 , 8, 440-447	14
344	Characteristics of modified single-defect two-dimensional photonic crystal lasers. 2002 , 38, 1353-1365	100
343	Nonlinear modes, resonant trapping, and soliton emission in engineered PPLN structures. 2002 , 38, 1309-1316	5
342	Nanotechnologies for the fabrication of two-dimensional photonic crystals.	
341	Optical Backplanes, Board and Chip Interconnects. 2002 , 216-269	3
340	Two-dimensional photonic crystal semiconductor lasers: computational design, fabrication, and characterization. 2002 , 8, 891-908	53
339	Enhancement of light extraction from two-dimensional photonic crystal slab structures. 2002 , 8, 231-237	46
338	Modelling issues for waveguide photonic crystals and photonic microstructures: A personal view. 2002 , 34, 417-433	4
337	Interference of circularly polarized light: contrast and application in fabrication of three-dimensional periodic microstructures. 2002 , 34, 671-674	14
336	Large-bandwidth planar photonic crystal waveguides. 2002 , 203, 263-270	19
335	Scattering of light on the surfaces of photonic crystals. 2002 , 206, 253-258	6

334	Wave design of the interference of three noncoplanar beams for microfiber fabrication. 2002 , 208, 293-297	14
333	Direct mapping of light propagation in photonic crystal waveguides. 2002 , 212, 51-55	25
332	Optical properties of thin films of closely packed SiO ₂ spheres. 2002 , 44, 1071-1076	1
331	Propagation and transformation of light waves in magnetically active periodic structures. 2002 , 93, 913-917	1
330	Interference of three noncoplanar beams: patterns, contrast and polarization optimization. 2002 , 49, 1663-1672	15
329	Magnetic photonic crystals. 2003 , 36, R277-R287	288
328	The Wannier function approach to photonic crystal circuits. 2003 , 15, R1233-R1256	78
327	Photoinduced micropattern in an azobenzene polymer film. 2003 , 48, 244-246	
326	Stereological estimation of the morphology distribution of ZnS clusters for photonic crystal applications. 2003 , 50, 69-79	24
325	An efficient proximity-effect correction method for electron-beam patterning of photonic-crystal devices. 2003 , 67-68, 182-188	28
324	Nanofabrication of high refractive index contrast two-dimensional photonic crystal waveguides. 2003 , 67-68, 670-675	9
323	What kind of Bravais lattices can be made by the interference of four umbrellalike beams?. 2003 , 224, 243-246	9
322	Low-loss hollow-core silica/air photonic bandgap fibre. 2003 , 424, 657-9	344
321	All-silicon omnidirectional mirrors based on one-dimensional photonic crystals. 2003 , 82, 3227-3229	104
320	Simulation of tuning of one-dimensional photonic crystals in the presence of free electrons and holes. 2003 , 94, 797-799	26
319	Multiple-scale coupled-mode theory for second-harmonic generation in one-dimensional periodic structures. 2003 , 20, 1853	4
318	Composite Photonic Crystals from Semiconductor Nanocrystal/Polyelectrolyte-Coated Colloidal Spheres. 2003 , 15, 2724-2729	85
317	Slowing light in chi ² photonic crystals. 2003 , 68, 046613	3

316	Vectorial model for multiple scattering by surface nanoparticles via surface polariton-to-polariton interactions. 2003 , 67,	56
315	P-78: Design and Characterization of Organic Light Emitting Diodes with Microcavity Structure. 2003 , 34, 516	10
314	Finite-difference time-domain investigation of band-edge resonant modes in finite-size two-dimensional photonic crystal slab. 2003 , 68,	39
313	Microstructured optical waveguides: so complex yet so simple.	
312	Polymer laser fabricated by a simple micromolding process. 2003 , 82, 4023-4025	72
311	Ultrafast optical switching in three-dimensional photonic crystals. 2003 , 91, 213903	130
310	Analysis of finite-size 2D coated electromagnetic band gap structures by scattering matrix method. 2003 ,	
309	Wave design and polarization optimization in the interference of four non-coplanar beams for making three-dimensional periodical microstructures. 2003 , 50, 1445-1453	2
308	Energy exchange properties during second-harmonic generation in finite one-dimensional photonic band-gap structures with deep gratings. 2003 , 67, 016606	22
307	Photonic band gaps of two-dimensional trigonal photonic crystals fabricated by four umbrellalike beam interference technique.	
306	High-resolution complex structures for two-dimensional photonic crystals realized by x-ray diffraction lithography. 2003 , 21, 748	4
305	Analysis of the electromagnetic wave diffraction by 2D micro-optics objects using the decomposition in terms of cylindrical functions. 2003 , 5067, 14	
304	Photonic crystal waveguide Mach-Zehnder structures for thermo-optic switching. 2003 ,	4
303	Diffraction in crystalline colloidal-array photonic crystals. 2004 , 69, 066619	69
302	Giant second-harmonic generation in a one-dimensional GaN photonic crystal. 2004 , 69,	38
301	Magnetically induced Bragg scattering of electrons in quantum-dot crystals. 2004 , 70,	17
300	Optimization of transmission properties of two-dimensional photonic crystal channel waveguide bends through local lattice deformation. 2004 , 96, 12-18	34
299	Holographic method for a direct growth of three-dimensional photonic crystals by chemical vapor deposition. 2004 , 96, 2428-2436	13

298	4. A Solid-State Theoretical Approach to the Optical Properties of Photonic Crystals. 2004 , 55-74	
297	Analysis of volume holographic long period gratings in photonic nanostructured fibers and waveguides. 2004 , 43, 2003	1
296	Mach-Zehnder channel-guide device structure based on 2D photonic crystal. 2004 , 5450, 333	0
295	Construction of low-dimensional assemblies of nanoparticles. 2004 , 15, 275-278	8
294	Fabrication of Ceramic Photonic Crystals with Diamond Structure for Microwave Applications. 2004 , 87, 598-601	20
293	Self-assembled polymeric solid films with temperature-induced large and reversible photonic-bandgap switching. 2004 , 3, 872-6	204
292	Formation of two-dimensional photonic-crystal structures in silicon for near-infrared region using fine focused ion beams. 2004 , 46, 32-34	2
291	Ultraviolet luminescence of ZnO infiltrated into an opal matrix. 2004 , 38, 849-854	5
290	Ion-beam induced modification of pores array in anodic alumina. 2004 , 216, 340-345	4
289	Synthesis and microstructure of silica photonic crystals. 2004 , 14, 165-167	10
288	Superprism Behaviour of an Array of Photonic Crystal Waveguides. 2004 , 36, 459-468	3
287	Photonic crystal devices. 2004 , 10, 233-236	12
286	Surface wave scattering by a nano-object situated on a surface. 2004 , 554, 33-42	
285	Stop band tuning of three-dimensional photonic crystals through coating of semiconductor materials. 2004 , 79, 1741-1745	5
284	Near-field imaging of light diffraction out of slab waveguides. 2004 , 1, 311-316	6
283	Investigation of ring resonators in photonic crystal circuits. 2004 , 2, 199-206	86
282	Nonspherical ZnS colloidal building blocks for three-dimensional photonic crystals. 2004 , 274, 103-6	27
281	General representation of interference contrast formed by arbitrarily polarized waves and its application in wave design for holographic fabrication of photonic crystals. 2004 , 36, 453-457	1

280 Modelling of photonic band gap structures. **2004,**

279 Photonic crystal waveguide - fabrication of the periodic arrays by visible light holographic technique coupled with electron beam-induced deposition.

278 Photonic crystals - step in a future. **2004,**

277 The preparation and characterization of sol-gel zinc silicate glass particles with pyramid shape and millimetre size. **2004,** 14, 1744-1748

7

276 Photochemically Controlled Cross-Linking in Polymerized Crystalline Colloidal Array Photonic Crystals. **2004,** 37, 8293-8296

24

275 .

1

274 Electrically driven single-cell photonic crystal laser. **2004,** 305, 1444-7

621

273 Optically switchable liquid crystal photonic structures. **2004,** 126, 13580-1

74

272 Self-organized regular array microstructure of LiNbO₃-based crystal composites. **2004,** 385, 252-256

1

271 Femtosecond Bragg switching in opal-a-nc-Si photonic crystals. **2004,** 338-340, 215-217

3

270 Holographic creation of photonic crystals. **2004,** 43, 4376-84

3

269 Three-dimensional superprism effect in photonic-crystal slabs. **2004,** 22, 1748-1753

8

268 Three-dimensional multiple-scattering technique for the analysis of photonic-Crystal slabs. **2004,** 22, 2778-2786

23

267 Anisotropic Light Scattering in Nanoporous Materials: A Photon Density of States Effect. **2004,** 4, 1755-1758

51

266 Template-directed colloidal self-assembly [the route to top-down] nanochemical engineering. **2004,** 14, 459-468

191

265 Toward real-world devices in InP-based PCs. **2004,** 5360, 77

1

264 Near-field characterization of planar photonic-crystal-waveguide structures. **2004,** 362, 757-69

6

263 Peroxide Route Towards Low Temperature Synthesis of LiNbO₃: An Environmentally Benign Approach. **2004,** 112, 368-372

10

262	Holographic diffractive optical element used for fabricating 3D photonic crystals. 2005 , 5636, 128	2
261	Two-dimensional photonic crystals: fabrication of the periodic arrays by visible light holographic technique. 2005 ,	
260	Spectroscopic ellipsometry on opaline photonic crystals. 2005 , 246, 1-7	12
259	Resonant modes in quantum well structure of photonic crystals with different lattice constants. 2005 , 135, 330-334	17
258	The intrinsic structure of spherical particles of opal. 2005 , 47, 347	24
257	Opal-ZnO nanocomposites: Structure and emission properties. 2005 , 39, 1328	9
256	Analysis of finite-size coated electromagnetic bandgap structure by an efficient scattering matrix method. 2005 , 11, 485-492	8
255	Photoswitchable Spirobenzopyran- Based Photochemically Controlled Photonic Crystals. 2005 , 15, 1401-1406	95
254	Development of highly-ordered, ferroelectric inverse opal films using sol-gel infiltration. 2005 , 81, 379-384	8
253	Nonlinear Bragg structures based on ZnS/ZnSe superlattices. 2005 , 81, 257-263	7
252	Progress in the control of the light-matter interaction in semiconductors. 2005 , 135, 627-637	8
251	Synthesis of SiO ₂ Photonic Crystals via Self-organization of Colloidal Particles. 2005 , 41, 1178-1184	10
250	Limitations of proximity-effect corrections for electron-beam patterning of planar photonic crystals. 2005 , 44, 043401	9
249	A novel application of two-dimensional photonic crystals: polarization beam splitter. 2005 , 38, 3391-3394	14
248	One-to-many laser fanout generated by single large-size two-dimensional holographic photonic crystal. 2005 , 87, 241111	3
247	Refraction of water waves by periodic cylinder arrays. 2005 , 95, 154501	78
246	Band structure engineering: A simple way to optimize key features of one-dimensional energy bands. 2005 , 72,	5
245	Near-field characterization of low-loss photonic crystal waveguides. 2005 , 72,	19

244 Designing Photonic Crystal Devices for Accelerators.

243 Optical properties of a SiO₂ photonic crystal layer fabricated by seeded growth of spherical nanoparticles. **2005**, 1

242 ZnO-infiltrated opal: influence of the stop-zone on the UV spontaneous emission. **2005**, 7, S213-S218 12

241 Characteristics of electrically driven two-dimensional photonic crystal lasers. **2005**, 41, 1131-1141 47

240 A Floating Self-Assembly Route to Colloidal Crystal Templates for 3D Cell Scaffolds. **2005**, 17, 4918-4924 86

239 Design of silicon hollow waveguide polarizer using multilayer structures.

238 2D spatially periodic architectures via the drying of 1D holographically photopatterned polymer solutions. **2005**, 21, 814-7 1

237 Creation of line defects in holographic photonic crystals by a double-exposure thresholding method. **2005**, 44, 2580-91 4

236 Design, fabrication, and characterization of deep-etched waveguide gratings. **2005**, 23, 3832-3842 12

235 Propagation of long-range surface plasmon polaritons in photonic crystals. **2005**, 22, 2027 12

234 Transfer-matrix modeling of four-wave mixing at the band edge of a one-dimensional photonic crystal. **2005**, 22, 2494 22

233 Solid State Theory Meets Photonics: The Curious Optical Properties of Photonic Crystals. **2005**, 1-22 2

232 Modification of Opal Photonic Crystals Using Al₂O₃ Atomic Layer Deposition. **2006**, 18, 3562-3570 25

231 Light collimator made of photonic crystal by partial band gap. **2006**, 35, 191-194

230 Forming matrix nanostructures in silicon. **2006**,

229 Effects of paraffin addition on characteristics of self-assembled SiO₂ photonic crystals. **2006**,

228 Fabrication of 3D photonic crystals by two-step dry etching of layered media. **2006**,

227 Inverse photonic crystals based on silica. **2006**, 408, 61-64 5

226	Colloidal formation of monodisperse YSZ spheres: Kinetics of nucleation and growth. 2006 , 54, 4149-4157	27
225	Preparation of free-standing silica 3D colloidal crystal film at water/air interface. 2006 , 441, 239-244	14
224	Fabrication of large-area 3D photonic crystals using a holographic optical element. 2006 , 44, 903-911	4
223	On the growth sequence of highly ordered nanoporous anodic aluminium oxide. 2006 , 27, 983-988	42
222	Near-field characterization of photonic crystal waveguides. 2006 , 21, R1-R16	14
221	Emulsifier-free emulsion copolymerization of styrene with methacrylic acid as a method of preparing building blocks for photonic crystals. 2006 , 48, 910-917	8
220	Optical studies of a two-dimensional photonic crystal with the InAs/InGaAs quantum-dot structure as an active region. 2006 , 40, 812-817	1
219	Der Natur auf der Spur: einzigartige Farbanmutungen auf Basis Photonischer Kristalle mit Opalstruktur. 2006 , 18, 20-25	
218	Near-field probing of photonic crystal directional couplers. 2006 , 3, 288-292	5
217	The effect of short-range and long-range orientational orders on the transmission properties of quasiperiodic photonic crystals. 2006 , 74, 49-54	8
216	A new kind of light splitter made of a photonic crystal using the effect of a partial bandgap. 2006 , 8, 507-510	3
215	Fabrication of periodic microstructures by holographic photopolymerization with a low-power continuous-wave laser of 532 nm. 2006 , 8, 672-676	3
214	Photonic crystals. 2006 , 49, 177-313	9
213	Simulations of defect-free coupled-resonator optical waveguides constructed in 12-fold quasiperiodic photonic crystals. 2006 , 73,	16
212	Photonic crystal quantum cascade lasers with improved threshold characteristics operating at room temperature. 2006 , 89, 191113	4
211	MICRO-OPTICAL RESONATORS FOR MICROLASERS AND INTEGRATED OPTOELECTRONICS. 2006 , 39-70	19
210	Photonic Crystal Quantum Cascade Lasers with Improved Threshold Characteristics Operating up to Room Temperature. 2006 ,	1
209	THE SIZE INFLUENCE OF SILICA MICROSPHERES ON PHOTONIC BAND GAP OF PHOTONIC CRYSTALS. 2007 , 21, 2761-2768	2

208	Design of silicon hollow waveguide in-line polarizer using a photonic crystal concept. 2007 , 9, 88-94	4
207	Polarization-controlled diffraction from a quasicrystal nanohole array in a gold film. 2007 , 9, 1140-1143	5
206	Electrophoretic Self-Assembly of Sol-Gel Derived Silica Microspheres. 2007 , 124-126, 599-602	4
205	Development of 3D Ceramic Photonic Bandgap Structures. 2007 , 280-283, 533-536	
204	Fine tuning of single row photonic crystal extended cavities embedded in photonic wire waveguides. 2007 ,	
203	Enhancing the light extraction efficiency of GaN-based LEDs. 2007 ,	1
202	Asymmetry reversal in the reflection from a two-dimensional photonic crystal. 2007 , 32, 3137-9	5
201	Imaging Properties of Multimode Photonic Crystal Waveguides and Waveguide Arrays. 2007 , 25, 402-409	19
200	Up-Conversion Luminescence in Thulium Doped Barium Titanate Inverted Opal. 2007 , 336-338, 561-563	1
199	Application of anodized aluminium oxide as a biochip substrate for a FabryPerot interferometer. 2007 , 82, 1045-1052	13
198	Surface modified latex particles: Synthesis and self-assembling into photonic crystals. 2007 , 298, 27-33	16
197	Transmission properties of one-dimensional graded photonic crystals and enlargement of omnidirectional negligible transmission gap. 2007 , 275, 83-89	17
196	Optical study of photonic crystal films made of polystyrene microspheres. 2007 , 17, 4-6	14
195	Topology constrained magnetic structure of Ni photonic crystals. 2007 , 397, 23-26	22
194	Domain mapping of inverse photonic crystals by laser diffraction. 2007 , 366, 516-522	23
193	Supramolecular Materials Based On Hydrogen-Bonded Polymers. 2007 , 113-177	150
192	SURFACE PLASMON POLARITON GUIDING IN PHOTONIC BANDGAP STRUCTURES. 2007 , 73-86	
191	Photonic band structure and symmetry properties of electromagnetic modes in photonic crystals. 2007 , 75, 026607	33

190	Enhancing fluorescence of tricolor fluorescent powders by silica inverse opals. 2007 , 87, 271-275	8
189	Optics design and fabrication of 3D electrically switchable hexagonal photonic crystal. 2007 , 87, 65-69	22
188	2D and 3D electrically switchable hexagonal photonic crystal in the ultraviolet range. 2007 , 87, 267-271	18
187	Standing wave localized within one-dimensional photonic crystal with defect. 2007 , 28, 304-309	1
186	Light pulse propagation in one-dimensional photonic crystal: An FDTD analysis. 2007 , 28, 372-376	8
185	The research and progress of micro-fabrication technologies of two-dimensional photonic crystal. 2007 , 52, 865-876	2
184	3-D holographic lithography of organic/inorganic hybrids. 2007 , 254, 830-835	6
183	Structural and optical properties of titania photonic crystal films prepared by a sol-gel method. 2007 , 17, 1-3	6
182	Self-assembly of polystyrene microspheres within spatially confined rectangular microgrooves. 2008 , 43, 6453-6458	4
181	Synthesis of 3-dimensional periodic nanostructures in an interference field of UV laser light. 2008 , 93, 105-110	2
180	Application-directed syntheses of surface-functionalized organic and inorganic nanoparticles. 2008 , 57, 181-202	34
179	Post-deposition opal evolution. 2008 , 9, 1541-7	17
178	Preparation of large area three-dimensionally ordered macroporous thin films by confined infiltration and crystallisation. 2008 , 310, 2644-2648	4
177	Gradient polymer surfaces for biomedical applications. 2008 , 33, 138-164	201
176	Angle-dependent laser diffraction in inverse opal photonic crystals. 2008 , 44, 626-632	7
175	Formation mechanism and packing options in tubular anodic titania films. 2008 , 114, 440-447	30
174	Photonic Crystals: Physics and Technology. 2008 ,	17
173	Magnetic inverted photonic crystals: A polarized neutron scattering study. 2008 , 87, 12-17	2

172	Tapered Photonic Crystal Microcavities Embedded in Photonic Wire Waveguides With Large Resonance Quality-Factor and High Transmission. 2008 , 20, 6-8	26
171	Diffraction and Defraction Micro-optics. 2008 , 65-99	
170	Bistable behavior of reflection and transmission of a one-dimensional photonic crystal with a dense resonant medium as a defect. 2008 , 25, 1362	13
169	Solitons in one-dimensional photonic crystals. 2008 , 25, 1854	25
168	Ultra high quality factor one dimensional photonic crystal/photonic wire micro-cavities in silicon-on-insulator (SOI). 2008 , 16, 12084-9	147
167	Room-Temperature Photonic Crystal Laser in H3 Cavity on InGaAsP/InP Slab. 2008 , 25, 981-984	6
166	Controllable fabrication of the micropore shape of two-dimensional photonic crystals using holographic lithography. 2008 , 26, 914	4
165	Silicon photonic crystal nanostructures for refractive index sensing. 2008 , 93, 181103	85
164	Enhancement of nonlinear effects at the degenerate band edge of two-dimensional photonic crystals. 2009 , 79, 056608	2
163	Refractive index effect in the lattice geometry of photonic crystals generated by multi-exposure interference patterns. 2009 , 11, 075103	2
162	Design Optimization of Waveguide Bends in Photonic Crystals. 2009 , 45, 1630-1633	6
161	Integrated Quantum Photonics. 2009 , 15, 1673-1684	103
160	Tunable photonic stop band in the wavelength region of fiber-optic communication. 2009 , 32, 387-391	3
159	Photonic crystal nanostructures for optical biosensing applications. 2009 , 24, 3688-92	140
158	Photonic Crystal Waveguides. 261-315	
157	High Quality-Factor 1-D-Suspended Photonic Crystal/Photonic Wire Silicon Waveguide Micro-Cavities. 2009 , 21, 1789-1791	17
156	Combined interferometric-mask method for creation of micro- and sub-micrometric scale 3D structures in photorefractive materials. 2010 ,	
155	Three-dimensional periodic lattice of ZrO ₂ nanocrystals in transparent silica matrix. 2010 , 52, 794-799	3

154	Analysis of the imperfection of opal-like photonic crystals synthesized on conducting substrates. 2010 , 52, 1087-1091	3
153	Various photonic crystal structures fabricated by using a top-cut hexagonal prism. 2010 , 98, 255-261	9
152	Investigation of several terahertz electromagnetic band gap structures. 2010 , 52, 678-686	8
151	Optically Controlled Optical Modulator using a Self-Assembled 2D Plasmonic Crystal. 2010 , 1248, 1122	
150	Fabrication of two- and three-dimensional periodic submicron structures by holographic lithography with a 635 nm laser and matched photopolymer. 2010 , 19, 014218-6	1
149	Effect of embedding Fe ₃ O ₄ nanoparticles in silica spheres on the optical transmission properties of three-dimensional magnetic photonic crystals. 2010 , 108, 103501	26
148	Silicon Porosification: State of the Art. 2010 , 35, 153-260	109
147	Ring-type Fabry-Pérot filter based on the self-collimation effect in a 2D photonic crystal. 2010 , 18, 17106-13	17
146	Optical filter based on two coupled PhC GaAs-membranes. 2010 , 35, 411-3	24
145	Optical properties of II-VI colloidal quantum dot doped porous silicon microcavities. 2010 , 96, 161106	40
144	Inorganic chiral 3-D photonic crystals with bicontinuous gyroid structure replicated from butterfly wing scales. 2011 , 47, 9873-5	72
143	Heterogeneous and homogeneous crystal nucleation in colloidal hard-sphere like microgels at low metastabilities. 2011 , 7, 11267	26
142	Tunable Omnidirectional Total Reflection Frequency Range in One-Dimensional Photonic Crystals Based on the Faraday Effect. 2011 , 50, 080206	
141	Engineering of 2D and 3D holographic gratings in photorefractive media. 2011 ,	
140	Frequency domain analysis of guided resonances and polarization selectivity in photonic crystal membranes. 2011 , 28, 69	5
139	Sculpturing of photonic crystals by ion beam lithography: towards complete photonic bandgap at visible wavelengths. 2011 , 19, 5802-10	38
138	1B optical drop splitter in a rod-type silicon photonic crystal. 2011 ,	
137	1B optical drop splitter in a rod-type silicon photonic crystal. 2011 ,	

- 136 Hybrid Dielectric-Loaded Plasmonic Waveguide-Based Power Splitter and Ring Resonator: Compact Size and High Optical Performance for Nanophotonic Circuits. **2011**, 6, 591-597 36
- 135 Low threshold laser cavities of two-dimensional photonic crystal line defect mode. **2011**, 122, 1042-1045
- 134 Optical filter based on a coupled bilayer photonic crystal. **2011**, 88, 2771-2774
- 133 Design of ultra compact all-optical XOR and AND logic gates with low power consumption. **2011**, 284, 3528-3533 72
- 132 Switchable photonic crystal for polymer dispersed liquid crystal. **2011**, 43, 820-824 7
- 131 Up-conversion luminescence enhancement in erbium-doped porous silicon photonic crystals for photovoltaics. **2011**,
- 130 3-D Chiral Photonic Crystals Replicated from Butterfly Wing Scales. **2012**, 1389, 1
- 129 Photonic crystal-based all-optical on-chip sensor. **2012**, 20, 19912-20 88
- 128 Narrow band, large angular width resonant reflection from a periodic high index grid at terahertz frequency. **2012**, 20, 28070-81 2
- 127 Mode shape and dispersion relation of bending waves in thin silicon membranes. **2012**, 85, 8
- 126 The 1 \times 4 Optical Splitters Based on Silicon Photonic Crystal Self-Collimation Ring Resonators. **2012**, 29, 124201 8
- 125 EFFECT OF A SUBWAVELENGTH LAYER ON ALL OPTICAL-DIODE ACTION IN 1D PHOTONIC CRYSTAL. **2012**, 15, 48-53 3
- 124 Design and simulation of an optical wavelength division demultiplexer based on the photonic crystal architecture. **2012**, 0
- 123 Electrical transport and depletion region in dry-etched Si-based nanostructures. **2012**, 27, 045016 1
- 122 A detailed derivation of eigenvalue equation in two dimensional and three dimensional photonic crystals. **2012**, 52, 678-686
- 121 Talbot Effect from Rotational Symmetry Gratings: Application to 3D Refractive Grating Formation. **2012**, 561, 57-67 4
- 120 See-through dye-sensitized solar cells: photonic reflectors for tandem and building integrated photovoltaics. **2013**, 25, 5734-41 45
- 119 Talbot effect from periodic and quasi-periodic structures: application to 3D quasi-crystalline photonic lattices formation. **2013**,

118	Nanoimprint Lithography: An Enabling Process for Nanofabrication. 2013 ,	17
117	Bessel standing wave technique for optical induction of complex refractive lattice structures in photorefractive materials. 2013 , 60, 617-628	7
116	3D titania photonic crystals replicated from gyroid structures in butterfly wing scales: approaching full band gaps at visible wavelengths. 2013 , 3, 3109	47
115	Optimisation of NbN thin films on GaAs substrates for in-situ single photon detection in structured photonic devices. 2013 , 113, 143507	17
114	Deterministic quasi-random nanostructures for photon control. 2013 , 4, 2665	171
113	Effect of variable dielectric constant of Si material rods on 2-D photonic crystal ring resonator based channel drop filter for ITU.T.694.2 CWDM system. 2014 ,	4
112	Erratum: Fabrication of large-scale photonic phased array using a holographic lithography system. 2014 , 53, 069804	
111	Design of an Optical Trapping Device Based on an Ultra-High Q/V Resonant Structure. 2014 , 6, 1-16	24
110	Dynamically-tunable colloidal band-pass and band-gap filters. 2014 , 115, 134902	2
109	Design and simulation of 3-channel drop filter by using 2D-Photonic Crystal Ring Resonator for ITU-T G.694.2 CWDM system. 2014 ,	1
108	All-optical on-chip sensor for high refractive index sensing in photonic crystals. 2014 , 107, 34008	21
107	Nondestructive readout of holograms recorded by Bessel beam technique in LiNbO ₃ :Fe and LiNbO ₃ :Fe:Cu crystals. 2014 , 68, 1	14
106	Optical induction of 3D rotational symmetry refractive lattices by combined interferometric-mask method in doped LiNbO ₃ crystals. 2014 , 116, 97-108	4
105	Design of a new photonic/plasmonic microcavity allowing a strong light-matter interaction. 2014 ,	3
104	Transmission mode of one-dimensional phononic crystal based on coupling of total evanescent waves. 2014 , 60, 148-154	1
103	1 × 4 optical multiplexer based on the self-collimation effect of 2D photonic crystal. 2014 , 125, 4322-4326	9
102	Energy shift experiment in photonic crystal medium. 2015 , 613, 012005	5
101	Effect of patterned coupled optical micro-cavities in twodimensional Si-ZnO hybrid photonic structure. 2015 , 582, 012053	2

100	Two-dimensional dynamic photonic crystal creation by means of three non-coplanar laser beams interference in colloidal CdSe/ZnS quantum dots solution. 2015 , 102, 212-216	5
99	Sensitive All-Optical Channel-Drop Sensor in Photonic Crystals. 2015 , 33, 3672-3678	11
98	Design and analysis of photonic crystal biperiodic waveguide structure based optofluidic-gas sensor. 2015 , 126, 5172-5175	11
97	Dielectric Photonic Crystals. 2015 , 133-168	
96	Broadband and polarization insensitive design of terahertz absorber with high-index contrast grating on SOI chip. 2015 , 47, 1693-1702	1
95	. 2015 , 21, 276-283	57
94	All-optical on-chip sensor for high refractive index sensing. 2015 , 106, 031116	16
93	Angular and polarization dependence of all optical diode in one-dimensional photonic crystal. 2015 , 69, 1	10
92	Large area photonic crystal cavities: a local density approach. 2015 , 23, 7481-99	6
91	Polarization Selective Electromagnetic-Induced Transparency in the Disordered Plasmonic Quasicrystal Structure. 2015 , 119, 21633-21638	23
90	The Tunable Omnidirectional Reflector Based on Two-Dimensional Photonic Crystals With Superconductor Constituents. 2015 , 21, 1-8	18
89	Self-diffraction at a dynamic photonic crystal formed in a colloidal solution of quantum dots. 2016 , 104, 674-678	4
88	Guiding and confinement of interface acoustic waves in solid-fluid pillar-based phononic crystals. 2016 , 6, 121703	6
87	. 2016 ,	
86	Experimental evidence of the photonic band gap in hybrid one-dimensional photonic crystal based on a mixture of (HMDSO, O ₂). 2016 , 96, 273-281	9
85	Solid-fluid interaction in a pillar-based phononic crystal. 2016 ,	
84	Compact photonic crystal integrated circuit for all-optical logic operation. 2016 , 10, 142-147	25
83	Manipulating and trapping light with photonic crystals from fundamental studies to practical applications. 2016 , 4, 11032-11049	9

82	Sub-micrometre accurate free-form optics by three-dimensional printing on single-mode fibres. 2016 , 7, 11763	163
81	Photonic mesophases from cut rod rotators. 2016 , 119, 023110	1
80	Two-dimensional photonic crystal slabs as a tunable polarization mode converter. 2016 , 127, 8357-8360	
79	Structural Engineering of Nanoporous Anodic Alumina Photonic Crystals by Sawtooth-like Pulse Anodization. 2016 , 8, 13542-54	30
78	Upconversion luminescence enhancement of SiO ₂ :Yb ³⁺ , Tb ³⁺ inverse opal photonic crystal by gold nanoparticles. 2016 , 437, 53-57	6
77	Study of two dimensional photonic crystal nanocavities based on Gallium Nitride (GaN). 2016 , 127, 2708-2714	1
76	Rigorous design of an ultra-high Q/V photonic/plasmonic cavity to be used in biosensing applications. 2016 , 77, 151-161	26
75	Propagation of a magnetostatic surface spin wave through a finite magnonic crystal. 2016 , 401, 50-55	4
74	Photonic crystal properties of self-assembled Archimedean tilings. 2017 , 121, 023101	7
73	Frontiers of Light Dynamics in Photonic Crystals. 2017 , 199-210	
72	Peculiarities of photonic crystal recording in functional polymer nanocomposites by multibeam interference holography. 2017 , 112, 136-143	7
71	The effect of temperature, interaction range, and pair potential on the formation of dodecagonal quasicrystals in core-corona systems. 2017 , 29, 094003	11
70	Phase transformations in opals under thermal and thermobaric actions. 2017 , 11, 634-638	1
69	Dynamic photonic crystals dimensionality tuning by laser beams polarization changing. 2017 ,	
68	Hidden symmetries in N-layer dielectric stacks. 2017 , 29, 455303	5
67	Formation of Negative Silicon whiskers. 2017 , 53, 775-780	3
66	Comprehensive investigations of near infrared downshift and upconversion luminescence mechanisms in Yb single-doped and Er,Yb co-doped SiO inverse opals. 2017 , 19, 31997-32006	14
65	Status and Potential of Lithium Niobate on Insulator (LNOI) for Photonic Integrated Circuits. 2018 , 12, 1700256	245

64	Biodegradable Inverse Opals with Controlled Discoloration. 2018 , 5, 1701658	9
63	Preparation and photoluminescence enhancement of Au nanoparticles embedded LaPO ₄ :Eu ³⁺ inverse opals. 2018 , 101, 2689-2694	7
62	An Overview of Materials with Triply Periodic Minimal Surfaces and Related Geometry: From Biological Structures to Self-Assembled Systems. 2018 , 30, e1705708	121
61	Microsphere lithography for scalable polycrystalline diamond-based near-infrared photonic crystals fabrication. 2018 , 139, 363-371	11
60	Synthesis of Silica Microspheres-Inspired by the Formation of Ice Crystals-With High Homogeneous Particle Sizes and Their Applications in Photonic Crystals. 2018 , 11,	2
59	Lightwaves in restricted geometries. 92-146	0
58	Quasi-Crystal Metasurface for Simultaneous Half- and Quarter-Wave Plate Operation. 2018 , 8, 15743	8
57	Recent advances of low-dimensional materials in lasing applications. 2018 , 10, 22-38	12
56	Fabrication of Photonic Bandgap Materials by Shifting Double Frameworks. 2018 , 24, 17389-17396	3
55	Tunable broadband reflector and narrowband filter of a dielectric and magnetized cold plasma photonic crystal. 2018 , 133, 1	16
54	Nanoscale optical lattices of arbitrary orders manipulated by plasmonic metasurfaces combining geometrical and dynamic phases. 2019 , 11, 14024-14031	7
53	Multichannel filter application of a magnetized cold plasma defect in periodic structure of ZnS/TiO ₂ materials. 2019 , 51, 1	1
52	Modeling of the optical response of two-dimensional hexagonal periodicity photonic structures with cylindrical inclusions with randomly rough surfaces that include dispersive LHM. 2019 , 1221, 012015	
51	Blue shift effect on the reflectance in two-dimensional Si-ZnO photonic structure with patterned coupled optical micro-cavities. 2019 , 1221, 012014	
50	Feature issue introduction: Beyond Thin Films: Photonics with Ultrathin and Atomically Thin Materials. 2019 , 9, 2427	2
49	Electromagnetic heating control via high-frequencyresonance of a triple-layer laminate. 2019 , 114, 65-86	7
48	Properties and Applications of Photonic Crystals. 2019 , 251-268	0
47	High Q-factor Electro-Acoustic Cavity Resonator for Sensing Applications. 2020 ,	

46	Study of super absorption properties of 1D graphene and dielectric photonic crystal for novel applications. 2020 , 52, 1	6
45	Identification of Brillouin Zones by In-Plane Lasing from Light-Cone Surface Lattice Resonances. 2021 , 15, 5567-5573	4
44	Self-organized phase-transition lithography for all-inorganic photonic textures. 2021 , 10, 93	5
43	High Sensitivity to Salinity-Temperature Using One-Dimensional Deformed Photonic Crystal. 2021 , 11, 713	3
42	Compact Photonic-Crystals Based Isolator Using NiZn Gyromagnetic Ferrite Posts. 2021 , 11, 6177	0
41	Charge Density-Versus Time-Controlled Pulse Anodization in the Production of PAA-Based DBRs for MIR Spectral Region. 2021 , 14, 5149	0
40	Spontaneous emission in micro- or nanophotonic structures. 2021 , 2,	5
39	Porous Silicon Optical Label-Free Biosensors. 2009 , 293-323	3
38	Nano-Engineered Tunable Photonic Crystals. 2017 , 1-1	5
37	Manipulating Colloidal Crystallization for Photonic Applications: From Self-Organization to Do-it-Yourself Organization. 2001 , 239-251	5
36	Solitons in photonic crystals. 2003 , 425-446	168
35	Assembly of Polypyrroles. 2008 , 59-101	2
34	Stress and Piezoelectric Tuning of Silicon's Optical Properties. 2016 , 95-124	1
33	An electrically injected AlGaIn nanowire defect-free photonic crystal ultraviolet laser. 2019 , 27, 5843-5850	18
32	Simulation, design and fabrication of one-dimensional photonic crystal back reflector for silicon thin film solar cell. 2014 , 63, 128801	3
31	Tunable Omnidirectional Total Reflection Frequency Range in One-Dimensional Photonic Crystals Based on the Faraday Effect. 2011 , 50, 080206	1
30	Towards Complete Photonic Band Gap Structures Below Infrared Wavelengths. 2001 , 373-382	
29	Effect of Moderate Disorder on the Absorbance of Plasma Spheres Distributed in a Host Dielectric Medium. 2001 , 383-387	

- 28 Patterned Photonic Crystal Waveguides. **2001**, 129-142
- 27 Photonic Crystal Properties of SiON ($n=1.56$). **2002**, 722, 6101
- 26 Optical Thin Films for Micro-Components. **2003**, 231-255
- 25 Adventures with Smart Chemical Sensing. **2004**, 145-172
- 24 Four Wave Mixing in a 1D photonic crystal. **2005**,
- 23 Effect of Wetting Angle and Powder Content on the Optical Properties of Self-Assembled SiO₂ Photonic Crystals. **2005**, 42, 497-502
- 22 Nano-Engineered Tunable Photonic Crystals in the Near-IR and Visible Electromagnetic Spectrum. **2006**, 997-1019 0
- 21 3D Tunable Hexagonal Photonic Crystal in the Ultraviolet range. **2007**,
- 20 Introduction to Photonic Crystals and Photonic Band-Gaps. **2008**, 7-25 0
- 19 Nanostructured Porous Biomaterials for Controlled Drug Release Systems. **2008**, 193-215
- 18 Magnetic inverted photonic crystals: A polarized neutron scattering study. **2010**, 87, 12
- 17 Application of NIL in Light-Emitting Diode. **2013**, 161-202
- 16 One-dimensional photonic crystal(1D PC)-based back reflectors for amorphous silicon thin film solar cell. **2014**, 63, 077301 1
- 15 Optical bistability, amplification, and transparency in a one-dimensional photonic crystal with a nonlinear central layer. **2018**, 57, 9439-9446
- 14 Effects of the Roughness in the Optical Response of a 2DPC That Have Dielectric or Dispersive LHM Cylindrical Inclusions: The Triangular Lattice. **2019**, 37-44
- 13 Band structure of two-dimensional photonic crystals that include dispersive left-handed materials with rough surfaces in their lattice. **2019**, 36, 829 1
- 12 Photonic crystal based heterostructures in the control of emission and diffraction features. 1 1
- 11 Optimisation of spatially varying orthotropic porous structures based on conformal mapping. **2022**, 391, 114589 0

- 10 Small-Angle Neutron Diffraction for Studying Ferromagnetic Inverse Opal-Like Structures. **2022**, 67, 93-117 ○
- 9 Development of Unconventional Nano-Metamaterials from Viral Nano-Building Blocks. 2102784 ○
- 8 Structural stability and optical properties of 1D photonic crystals based on porous anodic alumina after annealing at different temperatures. ○
- 7 Topological coupling and decoupling of photonic crystal waveguides: Application to topological wavelength demultiplexing. **2022**, 156, 108476 ○
- 6 Corrugated nanowires as distributed Bragg reflectors.
- 5 Fock States and the Vacuum. **2022**, 41-48 ○
- 4 Calculation of the one-dimensional photonic crystals based on diamond. ○
- 3 Fabrication techniques and applications of two-dimensional photonic crystal: history and the present status. **2022**, 62, ○
- 2 Photonic Crystal Enhanced Fluorescence: A Review on Design Strategies and Applications. **2023**, 14, 668 1
- 1 All-optical full-adder design based on photonic crystals using nonlinear effects. **2023**, 62, 2936 ○