

LIST OF PUBLICATIONS USING BANDSOLVE ®

Title	Author	Publication	Year
Multifunctional beam steering via switchable negative refraction, self-collimation, and zero refraction effects in conventional and annular photonic crystals	Jing Yuan, Jing Shu, and Liyong Jiang	Optics Express Vol. 28, Issue 4, pp. 5367-5377 (2020)	2020
Ultra-fast all optical decoder using photonic crystal based nonlinear ring resonators	Alidoost Rostamizadeh, Mehdi Taghizadeh, Jasem Jamali & Alireza Andalib	Optical and Quantum Electronics volume 52, Article number: 105 (2020)	2020
Optimization of an All-Optical Photonic Crystal NOT Logic Gate Using Switch Based on Nonlinear Kerr Effect and Ring Resonator	Kouddad, Elhachemi; Naoum, Rafah	Source: Sensor Letters, Volume 18, Number 2, February 2020, pp. 89-94(6) Publisher: American Scientific Publishers DOI: https://doi.org/10.1166/sl.2020.4200	2020
Subwavelength structured silicon waveguides and photonic devices	Lu Sun, Yong Zhang, Yu He, Hongwei Wang und Yikai Su	Nanophotonics DOI: https://doi.org/10.1515/nanoph-2020-0070	2020
Biopolymeric photonic structures: design, fabrication, and emerging applications	Rui Xiong,a Jingyi Luan,b Saewon Kang,a Chunhong Ye,c Srikanth Singamaneni ORCID logo b and Vladimir V. Tsukruk	Chemical Society Reviews Issue 3	2020
Filling in the gaps: The nature of light transmission through solvent-filled inverse opal photonic crystals	Alex Loneragan, Changyu Hu, and Colm O'Dwyer	Phys. Rev. Materials 4, 065201	2020
Design of high-sensitive glucose concentration sensor based on ring-shaped holes photonic crystal cavity	Abderraouf Hocini, Souheil Mouetsi, Abdesselam Hocini	J. of Nanophotonics, 14(1), 016006 (2020). https://doi.org/10.1117/1.JNP.14.016006	2020
Tailoring the Local Density of Optical States and Directionality of Light Emission by Symmetry Breaking	Sébastien Cueff ; Florian Dubois ; Matthew Shao Ran Huang ; Dongfang Li ; Rashid Zia,Xavier Letartre,Pierre Viktorovitch ,Hai Son Nguyen	IEEE Journal of Selected Topics in Quantum Electronics (Volume: 25 , Issue: 3 , May-June 2019) Article Sequence Number: 4700807 INSPEC Accession Number: 18586093 DOI: 10.1109/JSTQE.2019.2902915 Publisher: IEEE	2019
Simulations of LED Patterned with IP-DIP Woodpile Structure	A. Kuzma ; P. Urbancová ; S. Sedlák ; J. Škriniarová ; F. Uherek	2019 21st International Conference on Transparent Optical Networks (ICTON) INSPEC Accession Number: 19058722 DOI: 10.1109/ICTON.2019.8840434 Publisher: IEEE	2019
IP-Dip-based woodpile structures for VIS and NIR spectral range: complex PBG analysis	Petra Urbancová, Dušan Pudiš, Anton Kuzma, Matej Goraus, Peter Gašo, and Daniel Jandura	Optical Materials Express Vol. 9, Issue 11, pp. 4307-4317 (2019) • https://doi.org/10.1364/OME.9.004307	2019
Five-Line Photonic Crystal Waveguide for Optical Buffering and Data Interconnection of Picosecond Pulse	Sayed Elshahat ; Israa Abood ; Karim Khan ; Ashish Yadav ; Luigi Bibbò ;Zhengbiao Ouyang	Published in: Journal of Lightwave Technology (Volume: 37 , Issue: 3 , Feb.1, 1 2019) Page(s): 788 - 798 INSPEC Accession Number: 18471271 DOI: 10.1109/JLT.2018.2881121 Publisher: IEEE	2019

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Slow light with high normalized delay-bandwidth product in low-dispersion photonic-crystal coupled-cavity waveguide	Israa Abood,Sayed Elshahat,Karim Khan,Luigi Bibbò,Ashish Yadav,Zhengbiao Ouyang	Optics Communications Volume 439, 15 May 2019, Pages 181-186	2019
Design of refractive index sensing based on 2D PhC air-slot width-modulated line-defect microcavity	Chayma Mosbah, Ahlem Benmerkhi, Mohamed Bouchemat & Touraya Bouchemat	Optical and Quantum Electronics volume 51, Article number: 159 (2019)	2019
Additive manufacturing of titanium dioxide for dielectric photonic crystals	Andrey Vyatskikh, Ryan C. Ng, Bryce Edwards, Julia R. Greer	Proceedings Volume 10930, Advanced Fabrication Technologies for Micro/Nano Optics and Photonics XII; 109300H (2019) https://doi.org/10.1117/12.2507076 Event: SPIE OPTO, 2019, San Francisco, California, United States	2019
Slow light performance enhancement of graphene-based photonic crystal waveguide	X.GuoX.WuH.CuiF.YangJ.Zhou	Physics Letters A Volume 383, Issue 16, 6 June 2019, Pages 1983-1987 Web Reference : ELSEVIER	2019
Wideband Y-Type Circulator Based on Magneto Photonic Crystals and Triangular Ferrites	Biaogang Xu ; Dengguo Zhang ; Xierong Zeng ; Yong Wang ; Zheng Dong	IEEE Photonics Technology Letters (Volume: 31 , Issue: 10 , May15, 15 2019) Page(s): 743 - 746 INSPEC Accession Number: 18654102 DOI: 10.1109/LPT.2019.2906458 Publisher: IEEE	2019
Tunable GaN Photonic Crystal and Microdisk on PDMS Flexible Films	Kwai Hei Li,, Yuk Fai Cheung, and Hoi Wai Choi	ACS Appl. Electron. Mater. 2019, 1, 7, 1112–1119 Publication Date:June 4, 2019 https://doi.org/10.1021/acsaelm.9b00114	2019
Direct Writing of Microfluidic Three-Dimensional Photonic Crystal Structures for Terahertz Technology Applications	Xiaojing Ju, , Weiyi Yang, Shuang Gao, and Qi Li	ACS Appl. Mater. Interfaces 2019, 11, 44, 41611–41616 Publication Date:October 10, 2019 https://doi.org/10.1021/acsemi.9b10561	2019
Modulation of terahertz properties of 3D ceramic photonic crystals via post-creation non-metal anion doping treatment	Rong Wang Weiyi Yang Shuang Gao Xiaojing Ju Pengfei Zhu Bo Li Qi Li	Journal of the American Ceramic SocietyVolume 102, Issue 8	2019
Design and fabrication of integrated micro/macrostructure for 3D functional gradient systems based on additive manufacturing	Ming Yin,Luofeng Xie,Weifeng Jiang,Guofu Yin	Optics Communications Volume 414, 1 May 2018, Pages 195-201 Web Reference : ELSEVIER	2018
Design of a Photonic Crystal Defect Waveguide Biosensor Operating in Aqueous Solutions at 1.34 μm	Markus Wellenzohn ,Eva Melnik ,Paul Muellner ,Liam O'Faolain and Rainer Hainberger	Journals Proceedings Volume 2 Issue 13 10.3390/proceedings2131026	2018
Introduction to Optical Waveguides	Essam M. A. ElkaramanyMohamed Farhat O. HameedEmail authorS. S. A. Obayya	Computational Photonic Sensors pp 3-27 Web Reference : SpringerLink	2018
Cavity-coupled photonic crystal waveguide as highly sensitive platform for pressure sensing	Tarek Zouachea,Abdesselam Hocinia,Xiaoling Wang	Optik Volume 172, November 2018, Pages 97-106 Web Reference:ELSEVIER	2018
Graphene-Based Plasmonic Photonic Crystal Waveguide Integrated Biosensor Circuit	Tarumaraja, Kalaivani A.; Menon, P. Susthitha; Shaari, Sahbudin; Ismail, Ahmad G.; Majlis, Burhanuddin Yeop	Source: Journal of Nanoelectronics and Optoelectronics, Volume 13, Number 6, June 2018, pp. 839-845(7) Publisher: American Scientific Publishers DOI: https://doi.org/10.1166/jno.2018.2323	2018

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A novel proposal for all optical 3 to 8 decoder based on nonlinear ring resonators	Saeid Salimzadeh &Hamed Alipour-Banaei	Journal of Modern Optics Volume 65, 2018 - Issue 17	2018
Optical coupling characteristics between a circular defect resonator and a waveguide in a two-dimensional photonic crystal slab	Yuji Miyamoto,Yifan Xiong,Tomoyuki Okada,Masato Morifuji,Hirotake Kajii,Masahiko Kondow	Photonics and Nanostructures - Fundamentals and Applications Volume 31, September 2018, Pages 168-172 Web Reference : ELSEVIER	2018
Design and Numerical Analysis of an All-optical 4-channel Power Splitter in E, S, C, L, and U Bands via Nano-line Defects in Photonic Crystal	Saeed Olyaei , Mahmood Seifouri , Ebrahim Azimi Sourani and Vigneswaran Dhasarathan	Journal of Optical Communications	2018
Subwavelength-Grating Metamaterial Structures for Silicon Photonic Devices	Robert Halir ; Alejandro Ortega-Moñux ; Daniel Benedikovic ; Goran Z. Mashanovich ; J. Gonzalo Wangüemert-Pérez ; Jens H. Schmid ; Íñigo Molina-Fernández ; Pavel Cheben	Proceedings of the IEEE (Volume: 106 , Issue: 12 , Dec. 2018) Page(s): 2144 - 2157 Date of Publication: 03 August 2018 INSPEC Accession Number: 18281270 DOI: 10.1109/JPROC.2018.2851614 Publisher: IEEE	2018
Polarizing properties of a 2D photonic crystal slab for simultaneous in-plane and out-of-plane light incidence	Pratyasha Sahani and R Vijaya	Journal of Physics D: Applied Physics	2018
Study and Design of an 8-channel demultiplexer with two-dimensional photonic crystals	FILALI, Meryem	URI: http://dspace.univ-msila.dz:8080/xmlui/handle/123456789/6669	2018
Wideband and low dispersion slow light by altering the geometry of a photonic crystal waveguide	Abdesselam Hocini,Mouhssin Maache,Djamel Khedrouche	Optics Communications Volume 427, 15 November 2018, Pages 396-404 Web Reference: ELSEVIER	2018
A Modularized and Switchable Component for Flexible Passive Device: Terahertz Photonic Crystals with Fine-Tuning	Jiannan Gao, Rong Wang, Qian Zhao & Bo Li Ji Zhou	Advanced Optical Materials,Volume 6, Issue 19	2018
Photonic Crystal Waveguide and Cavities for all-Optical Logic Devices	V. Mahesh ; Sanjaykumar C. Gowre ; Savita Soma ; Sanjeev P. Gogga	2018 Second International Conference on Inventive Communication and Computational Technologies (ICICCT) INSPEC Accession Number: 18161454 DOI: 10.1109/ICICCT.2018.8473176 Publisher: IEEE	2018
Modeling and Optimization of Optical Half Adder in Two Dimensional Photonic Crystals	Mahesh V. Sonth, Savita Soma, Sanjaykumar C. Gowre & Nagashettappa Biradar	Journal of Electronic Materials volume 47, pages4136–4139(2018)	2018
A High Sensitivity Pressure Sensor using Two Dimensional Photonic Crystal Cavity	Zouache, Tarek; Hocini, Abdesselam; Harhouz, Ahlam	Source: International Journal of Sensors Wireless Communications and Control, Volume 8, Number 3, 2018, pp. 185-192(8) Publisher: Bentham Science Publishers DOI: https://doi.org/10.2174/2210327908666180628120449	2018
Transmission characteristics of Y -type optical distributor in triangular lattice photonic crystals with A I2O 3 rods	Yong Wang Dengguo Zhang Shixiang Xu Zheng Dong Biaogang Xu	Microwave and Optical Technology LettersVolume 60, Issue 2	2018

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Microwave-Frequency Experiment Validation of a Novel Magneto-Photonic Crystals Circulator	Yong Wang ; Dengguo Zhang ; Shixiang Xu ; Biaogang Xu ; Zheng Dong ; Quan Xue	Published in: IEEE Photonics Journal (Volume: 10 , Issue: 3 , June 2018) Article Sequence Number: 5300106 INSPEC Accession Number: 17855101 DOI: 10.1109/JPHOT.2017.2783341 Publisher: IEEE	2018
Size reduction of Ge-on-Si photodetectors via a photonic bandgap	Haifeng Zhou and Yiling Sun	Applied Optics Vol. 57, Issue 12, pp. 2962-2966 (2018)	2018
Sensitive magnetic field sensor using 2D magnetic photonic crystal slab waveguide based on BIG/GGG structure	Rachid Deghdak, Mohamed Bouchemat, Mahieddine Lahoubi, Shengli Pu, Touraya Bouchemat & Hamza Otmani	Journal of Computational Electronics volume 16, pages392–400(2017)	2017
Tunable photonic crystal switch based on ring resonators with improved crosstalk and Q-factor	Massoudi Radhouene, Najjar Monia, Vijay Janyani	Proceedings Volume 10250, International Conference on Optical and Photonics Engineering (icOPEN 2016); 102500Z (2017) https://doi.org/10.1117/12.2266851 Event: Fourth International Conference on Optical and Photonics Engineering, 2016, Chengdu, China	2017
Photonic Crystal Based Sensor for DNA Analysis of Cancer Detection	Sandip Kumar Roy & Preeta Sharan	Silicon Photonics & High Performance Computing pp 79-85	2017
Silicon based On-chip Sub-Wavelength Grating Ring and Racetrack Resonator BioSensors	Hai Yan , Lijun Huang , Xiaochuan Xu , Naimei Tang	Volume 2, Issue 30 (Nanomaterials)2017 , pp. 1577-1589	2017
Origin and manipulation of band gaps in three-dimensional dielectric helix structures	Ho-Ting Tung, Yu-Kai Chen, Pei-Lun Jheng, and Yu-Chueh Hung	Optics Express Vol. 25, Issue 15, pp. 17627-17638 (2017)	2017
Subwavelength grating racetrack resonator based ultrasensitive refractive index sensor	Lijun Huang ; Hai Yan ; Xiaochuan Xu ; Swapnajit Chakravarty ; Naimei Tang ; Huiping Tian,Ray T. Chen	2017 Conference on Lasers and Electro-Optics (CLEO) INSPEC Accession Number: 17311606 Publisher: IEEE	2017
Loss-Less Elliptical Channel Drop Filter for WDM Applications	S. Naghizade and S. M. Sattari-Esfahlan	Journal of Optical Communications Volume 40: Issue 4	2017
Direct Writing of Flexible Barium Titanate/Polydimethylsiloxane 3D Photonic Crystals with Mechanically Tunable Terahertz Properties	Pengfei Zhu ,Weiyi Yang Rong Wang Shuang Gao Bo Li Qi Li	Advanced Optical MaterialsVolume 5, Issue 7	2017
Optimum Structural Design of Thermal Protection for Supersonic Aircraft by Using Photonic Crystal Material	Hao-Chun Zhang, Yan-Qiang Wei, Cheng-Shuai Su, Gong-Nan Xie, Giulio Lorenzini	J. Thermal Sci. Eng. Appl. Feb 2018, 10(1): 011007 (11 pages) Paper No: TSEA-16-1351 https://doi.org/10.1115/1.4036791 Published Online: July 19, 2017	2017
Geometrically tunable slow light based on a modified photonic crystal waveguide	Mouhssin Maache,Abdesselam Hocini ,Djamel Khedrouche	Chinese Journal of Physics Volume 55, Issue 6, December 2017, Pages 2318-2324	2017
Theoretical designs for novel photonic crystal nanocavities with Si (111) interfaces	Alyssa Prasmusinto,MoïseSotto Abdelrahman ZaherAl-Attili,Kapil Debnath, Shinichi Saito	Photonics and Nanostructures - Fundamentals and Applications Volume 26, September 2017, Pages 1-7	2017

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Designing core-shell 3D photonic crystal lattices for negative refraction	Victoria F. Chernow, Ryan C. Ng, Julia R. Greer	Proceedings Volume 10112, Photonic and Phononic Properties of Engineered Nanostructures VII; 101120G (2017) https://doi.org/10.1117/12.2251545 Event: SPIE OPTO, 2017, San Francisco, California, United States	2017
Design of Photonic Crystal-Based Demultiplexer with High-Quality Factor for DWDM Applications	Mahdi Zavvari	Journal of Optical Communications Volume 40: Issue 2	2017
Improving the detection limit for on-chip photonic sensors based on subwavelength grating racetrack resonators	Lijun Huang, Hai Yan, Xiaochuan Xu, Swapnajit Chakravarty, Naimei Tang, Huiping Tian, and Ray T. Chen	Optics Express Vol. 25, Issue 9, pp. 10527-10535 (2017)	2017
Low detection limit sensor based on subwavelength grating racetrack resonator	Lijun Huang, Hai Yan, Xiaochuan Xu, Swapnajit Chakravarty, Naimei Tang, Huiping Tian, Ray T. Chen	Proceedings Volume 10077, Nanoscale Imaging, Sensing, and Actuation for Biomedical Applications XIV; 100770M (2017) https://doi.org/10.1117/12.2252429 Event: SPIE BIOS, 2017, San Francisco, California, United States	2017
High sensitive optofluidic sensor array based on ring-shaped holes photonic crystal H0-cavity	Safia Arafa, Mohamed Bouchemat, Touraya Bouchemat, Ahlem Benmerkhi	Optik Volume 131, February 2017, Pages 49-57 Web Reference : ELSEVIER	2017
Efficiency Enhancement In Thin Film ITO-cSi Heterojunction Solar Cell Using Photonic Crystal	Abhinav Bhatnagar ; Vijay Janyani	2017 14th IEEE India Council International Conference (INDICON) INSPEC Accession Number: 18163331 DOI: 10.1109/INDICON.2017.8487953 Publisher: IEEE	2017
Design and Simulation of Optical 4-Channel Demultiplexer Using Photonic Crystals	Abdulhamid Zahedi , Fariborz Parandin , Mohammad Mehdi Karkhanehchi , Hosein Habibi Shams and Sahbasadat Rajamand	Journal of Optical Communications Volume 40: Issue 1 DOI: https://doi.org/10.1515/joc-2017-0039	2017
All optical 1 to 2 decoder based on photonic crystal ring resonator	Farhad Mehdizadeh , Hamed Alipour-Banaei, Somaye Serajmohammadi	Journal of Optoelectronic Nanostructures Spring 2017 / Vol. 2, No. 2	2017
Novel Functionalities with Photonic Nanostructures	R. Vijaya	Selected Topics in Photonics pp 53-59	2017
Study of the Omnidirectional Transmission Properties of a Three-Dimensional EBG Structure Fabricated with Titanium Dioxide Using 3-D Printing	Shibin Chen, Mindong Zhang, Zijun Fu, Na Yu & Yunshi Yao	Journal of Electronic Materials volume 46, pages 5265–5269 (2017)	2017
Infiltrated photonic crystal cavity as a highly sensitive platform for glucose concentration detection	Safia Arafa, Mohamed Bouchemat, Touraya Bouchemat, Ahlem Benmerkhi, Abdesselam Hocini	Optics Communications Volume 384, 1 February 2017, Pages 93-100 Web Reference: ELSEVIER	2017
Simulation of a Photonic Crystal Multi Channel Add Drop Filter for the Application of Wavelength Division Multiplexing and De-Multiplexing	Bhadra, Anamika; Sahu, Vikas; Shrivastava, Sharad Mohan.	i-Manager's Journal on Communication Engineering and Systems; Nagercoil Vol. 6, Iss. 4, (Aug/Oct 2017): 8-15. DOI:10.26634/jcs.6.4.13803	2017

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Experimental evidence of the large photonic band gap in two-dimensional square-lattice Al ₂ O ₃ rods array	Yong Wang Dengguo Zhang Shixiang Xu Biaogang Xu Zheng Dong Tan Huang	Microwave and Optical Technology Letters Volume 59, Issue 6	2017
H-plane cross-shaped waveguide circulator in magneto-photonic crystals with five ferrite posts	Yong Wang, Dengguo Zhang, Shixiang Xu, Biaogang Xu, and Zheng Dong	Chinese Optics Letters Vol. 15, Issue 11, pp. 111601- (2017)	2017
Preparation of Humidity-Sensitive Poly(Ethylene Glycol) Inverse Opal Micropatterns Using Colloidal Lithography	Bing Yu,Hailin Cong ,Zhen Yang ,Shujing Yang ,Yuezhong Wang ,Feng Zhai and Yifan Wang	Journals Materials Volume 10 Issue 9 10.3390/ma10091035	2017
Experimental evidence of photonic crystal waveguides with wide bandwidth in two-dimensional Al ₂ O ₃ rods array	Yong Wang, Dengguo Zhang, Shixiang Xu, Biaogang Xu, Zheng Dong, and Tan Huang	Chinese Optics Letters Vol. 15, Issue 6, pp. 062301- (2017)	2017
Creation of 3D terahertz photonic crystals by the direct writing technique with a TiO ₂ sol-gel ink	Rong Wang Weiyi Yang Pengfei Zhu Shuang Gao Bo Li Qi Li	Journal of the American Ceramic Society Volume 101, Issue 5	2017
Independent control of optical stop-band wavelength and width of colloidal photonic crystals	Toshimitsu Kanaia,Kotaro Sanoa,Hiroki Yanoa,Tsutomu Sawada	Colloids and Surfaces A: Physicochemical and Engineering Aspects Volume 506, 5 October 2016, Pages 586-590	2016
Design of amorphous silicon photonic crystal-based M-Z modulator operating at 1.55 μm	Sandre Rao ; Maurizio Casalino ; Giuseppe Coppola ; Rifat Kisacik ; Tolga Tekin ; Francesco G. Della Corte	2016 4th International Conference on Photonics, Optics and Laser Technology (PHOTOPTICS) INSPEC Accession Number: 16968592 Publisher: IEEE	2016
Asymmetric light reflection at the reflecting layer incorporated in a linear, time-independent and non-magnetic two-dimensional photonic crystal	Man Mohan Gupta and Sarang Medhekar	EPL (Europhysics Letters), Volume 114, Number 5	2016
Optimum Structural Design of Thermal Protection Using Photonic Crystal Material Considering Thermophysical Properties in Micro/Nanoscale	Y.-Q. Wei, H.-C. Zhang, Y. Zhao, J.-L. Wang, Y. Li, G.- N. Xie	MNHMT2016-6352, V001T05A002; 12 pages Paper Number: MNHMT2016-6352 https://doi.org/10.1115/MNHMT2016-6352	2016
Slow light in dual-periodic photonic crystals based slotted-waveguide coupled cavity	Na Zhu, Yuanyuan Li,Cheng Chen,Shu Yan	Optics & Laser Technology Volume 83, September 2016, Pages 125-130 Web Reference : ELSEVIER	2016
An optical channel drop filter based on 2D photonic crystal ring resonator	Rahima Bendjelloul,Touraya Bouchemat &Mohamed Bouchemat	Journal of Electromagnetic Waves and Applications Volume 30, 2016 - Issue 18	2016
Guided resonances on lithium niobate for extremely small electric field detection investigated by accurate sensitivity analysis	Wentao Qiu, Abdoulaye Ndao, Huihui Lu, Maria- Pilar Bernal, and Fadi Issam Baida	Optics Express Vol. 24, Issue 18, pp. 20196-20209 (2016)	2016
Photonic crystal based biosensor for the detection of glucose concentration in urine	Savarimuthu Robinson & Nagaraj Dhanlaksmi	Photonic Sensors volume 7, pages11–19	2016
A 4-Channel Demultiplexer Based on 2D Photonic Crystal Using Line Defect Resonant Cavity	Reza Talebzadeh,Mohammad Soroosh &Tina Daghooghi	IETE Journal of Research Volume 62, 2016 - Issue 6	2016

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Broadband supercontinuum generation in photonic crystal fibers using cosh-Gaussian pulses at 835 nm wavelength	Nitu Borgohain, Mohit Sharma, S. Konar	Optik Volume 127, Issue 4, February 2016, Pages 1630-1634	2016
Complete photonic bandgap-based polarization splitter on silicon-on-insulator platform	Preeti Rani, Yogita Kalra, Ravindra Kumar Sinha	J. of Nanophotonics, 10(2), 026023 (2016). https://doi.org/10.1117/1.JNP.10.026023	2016
Optimized Complete Photonic Band Gap in Magneto-Photonic Crystal Slab	R. Deghdak, M. Bouchemat , T. Bouchemat , M. Lahoubi2, H. Otmani	Nanoscience and Nanotechnology 2016, 6(1A): 39-42 DOI: 10.5923/c.nn.201601.07	2016
Photonic crystal-based polarization splitter on InP substrate	Author links open overlay panel M. Nikoufard M. Kazemi Alamouti	Optik Volume 127, Issue 8, April 2016, Pages 3792-3794	2016
Photonic crystal based add/drop filters for sensing	Anton Kuzma ; František Uherek ; Jaroslava Škriniarová	2016 Photonics North (PN) INSPEC Accession Number: 16228006 DOI: 10.1109/PN.2016.7537913 Publisher: IEEE	2016
Preparation of three-dimensional ordered macroporous C60 and its application in electrochemical sensors	Bing Yuab, Hailin Cong, Feng Zhaia, Yuezhong Wanga and Xiaoyan Zhang	DOI: 10.1039/C6RA21016C (Paper) RSC Adv., 2016, 6, 106096-106101	2016
Modeling and analysis of the temperature sensitivity in two-dimensional photonic crystal microcavity	Abdesselam Hocini, Ahlam Harhouz	J. of Nanophotonics, 10(1), 016007 (2016). https://doi.org/10.1117/1.JNP.10.016007	2016
Performance Enhancement of Cavity Assisted Photonic Crystal De-Multiplexer in Slow Light Regime	Mohammad-Hashem Vadjed-Samiei and Hassan Aghababaeian	Journal of the Optical Society of Korea Vol. 20, Issue 3, pp. 401-406 (2016)	2016
Three-Level Nd ³⁺ Luminescence Enhancement in All-Solid Silicate Glass Photonic Bandgap Fiber	Wentao Li ; Meng Li ; Jimeng Chen ; Peiwen Kuan ; Danping Chen ; Qinling Zhou, Lili Hu	IEEE Photonics Technology Letters (Volume: 28 , Issue: 21 , Nov.1, 1 2016) Page(s): 2295 - 2298 INSPEC Accession Number: 16337698 DOI: 10.1109/LPT.2016.2590469 Publisher: IEEE	2016
Computational analysis of cooling dynamics in photonic-crystal-based thermal switches	Principia Dardano, Massimo Borrelli, Marilena Musto, Giuseppe Rotondo & Mario Iodice	Journal of the European Optical Society-Rapid Publications volume 12, Article number: 1 (2016)	2016
Characterization of photonic bandgap fiber using ACE3P	C.-K. Ng, R. J. England, and A. Kwiatkowski	Home > AIP Conference Proceedings > Volume 1777, Issue 1 > 10.1063/1.4965636	2016
Robustness and fragility of photonic bandgap in photonic amorphous diamond structures	Shigeki Imagawa & Keiichi Edagawa	Applied Physics A volume 123, Article number: 41	2016
Calculation and fabrication of two-dimensional complete photonic bandgap structures composed of rutile TiO ₂ single crystals in air/liquid	Sachiko Matsushita, Akihiro Matsutani, Yasushi Morii, Daito Kobayashi, Kunio Nishioka, Dai Shoji, Mina Sato, Tetsu Tatsuma, Takumi Sannomiya, Toshihiro Isobe & Akira Nakajima	Journal of Materials Science volume 51, pages 1066–1073 (2016)	2016

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Hollow Multilayered Polyelectrolyte Nanocapsules Employed as Responsive One-Dimensional Photonic Crystals Substrate	Ren, Jiaoyu; Yao, Chong; Yin, Tao; Zhu, Yanxi; Ge, Liqin	Publisher: American Scientific Publishers DOI: https://doi.org/10.1166/jnn.2016.12961	2016
Three octave spanning supercontinuum by red-shifted dispersive wave in photonic crystal fibers	Mohit Sharma & S. Konar	Journal of Modern Optics Volume 63, 2015 - Issue 5	2015
III-Nitride Light-Emitting Diodes with Photonic Crystal Structures	Kwai Hei Li	Nanostructuring for Nitride Light-Emitting Diodes and Optical Cavities pp 21-63	2015

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