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S.No	Title	Journal	Year
1.	Numerical Investigation of Reconfigurable Photonic Crystal Switch Based on Phase Change Nanomaterial	IEEE Transactions on Nanotechnology	Jun. 2020, pg no19, 545-552
2.	Modified Inverse Source Coding for Diffusion Based Molecular Communication System	21st IEEE Workshop on Signal Processing Advanc. in Wireless Commns	2020 pg no. 1-5
3.	High Speed Nano-Optical Encoder Using Photonic Crystal Ring Resonator	Photonic Network Communications (Springer),	2020
4.	Photonic Crystal-Based Sensors for Biosensing Applications	Chapter 10, Advances in Photonic Crystals and Devices	2019
5.	Hybrid Plasmonic Label-free Multi-analyte Refractive Index Sensor	Optoelectronics Letters (Springer)	15 (4), 269-272, Jul. 2019
6	Surface-plasmon-based photonic crystal fibers for high-bandwidth filter realization	Journal of the Optical Society of America B,	36 (6), 1574-1580, Jun. 2019
7.	Tricore Photonic Crystal Fiber Based Refractive Index Sensor for Glucose Detection	IET Optoelectronics	13 (3), 118-123, Jun. 2019
8.	Asymmetric-clad Multi-Trench Fibers with Large Mode-Area and Controlled Leakage Loss	Optical Fiber Technology (Elsevier)	48, 235-241, Mar. 2019.
9.	Photonic Crystal Fiber Based Refractive Index Sensor for Early Detection of Cancer	IEEE Sensors Journal 18 (17), 7093-7099,	Sep. 2018
11	Numerical analysis of lasing characteristics in highly bend-compensated large mode-area ytterbium-doped double-clad leakage-channel fibers	Applied Optics	(OSA, USA) 54 (35), 10314-10320, Dec. 2015
12	Modified and double-clad large mode-area leakage channel fibers for extreme temperature conditions	Journal of Optics (IOP, UK)	17 (3), 035706, Mar. 2015

