

G Thavasi Raja

List of Publications by Year in descending order

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29
docs citations

29
times ranked

270
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic Crystal Fiber-Based Refractive Index Sensor for Early Detection of Cancer. IEEE Sensors Journal, 2018, 18, 7093-7099.	4.7	160
2	Tricore photonic crystal fibre based refractive index sensor for glucose detection. IET Optoelectronics, 2019, 13, 118-123.	3.3	63
3	Photonic Crystal Fiber-Based Reconfigurable Biosensor Using Phase Change Material. IEEE Transactions on Nanobioscience, 2021, 20, 338-344.	3.3	29
4	Enhanced sensitivity of hemoglobin sensor using dual-core photonic crystal fiber. Optical and Quantum Electronics, 2018, 50, 1.	3.3	23
5	High speed nano-optical encoder using photonic crystal ring resonator. Photonic Network Communications, 2020, 40, 31-39.	2.7	16
6	Numerical Investigation of Reconfigurable Photonic Crystal Switch Based on Phase Change Nanomaterial. IEEE Nanotechnology Magazine, 2020, 19, 545-552.	2.0	16
7	Improved ICA Based Multi-User Detection of DS-CDMA. , 2008, , .		12
8	Extremely Large Mode-Area Bent Hybrid Leakage Channel Fibers for Lasing Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 251-259.	2.9	11
9	Large mode area modified clad leakage channel fibers with low bending and higher differential losses. Journal of Optics (United Kingdom), 2014, 16, 015403.	2.2	11
10	Asymmetric-clad multi-trench fibers with large mode-area and controlled leakage loss. Optical Fiber Technology, 2019, 48, 235-241.	2.7	11
11	Numerical Analysis of Reconfigurable and Multifunctional Barium Titanate Platform Based on Photonic Crystal Ring Resonator. IEEE Nanotechnology Magazine, 2021, 20, 282-291.	2.0	10
12	Low Complex Receiver Design for Modified Inverse Source Coded Diffusion-Based Molecular Communication Systems. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2021, 7, 239-252.	2.1	5
13	Transmit Signal Shaping for Molecular Communication. IEEE Wireless Communications Letters, 2021, 10, 1459-1463.	5.0	5
14	Numerical Investigation on Elliptic Cylindrical Nanowire Hybrid Plasmonic Waveguide-Based Polarization Beam Splitter. Plasmonics, 2021, 16, 493-500.	3.4	4
15	Surface-plasmon-based photonic crystal fibers for high-bandwidth filter realization. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1574.	2.1	4
16	Hybrid plasmonic label-free multi-analyte refractive index sensor. Optoelectronics Letters, 2019, 15, 269-272.	0.8	3
17	Numerical analysis of lasing characteristics in highly bend-compensated large-mode-area ytterbium-doped double-clad leakage channel fibers. Applied Optics, 2015, 54, 10314.	2.1	2
18	Modified and double-clad large mode-area leakage channel fibers for extreme temperature conditions. Journal of Optics (United Kingdom), 2015, 17, 035706.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Photonic Crystal Mach-Zehnder Optical Switch Based on Phase Change Material. , 2020, , .		2
20	High Speed Optical Switch Based on Photonic Crystal Resonator. , 2020, , .		2
21	Design and Simulation Analysis on TM-Mode Pass GST-Assisted Asymmetric Directional Coupler-Based Polarizer. Silicon, 0, , 1.	3.3	2
22	Hollow-Core Microstructured Optical Fiber Based Refractometer: Numerical Simulation and Experimental Studies. IEEE Transactions on Nanobioscience, 2022, 21, 194-198.	3.3	2
23	Modified Inverse Source Coding for Diffusion Based Molecular Communication System. , 2020, , .		1
24	ICA based multiuser detection of DS-SS using differential entropy estimation in Rayleigh fading channel. , 2008, , .		0
25	Large mode area leakage channel fibers with low bending and higher differential losses. , 2013, , .		0
26	Improved Polarisation Filter Design Using Modified Photonic Crystal Fiber Based on Surface Plasmon. , 2019, , .		0
27	Photonic Crystal Fibre - Based Surface Plasmon Filter Realization. , 2019, , .		0
28	Lasing characteristics of highly bend compensated large mode area ytterbium doped modified hybrid multi trench fiber. Optical Fiber Technology, 2021, 61, 102444.	2.7	0
29	Tunable hybrid plasmonic split-ring resonator refractive index sensor for high FOM applications. , 2018, , .		0