G Thavasi Raja

List of Publications by Year
in descending order

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29 papers	396 citations	1040056 9 h-index	839539 18 g-index
29 all docs	29 docs citations	29 times ranked	270 citing authors

#	Article	IF	Citations
1	Hollow-Core Microstructured Optical Fiber Based Refractometer: Numerical Simulation and Experimental Studies. IEEE Transactions on Nanobioscience, 2022, 21, 194-198.	3.3	2
2	Numerical Investigation on Elliptic Cylindrical Nanowire Hybrid Plasmonic Waveguideâ€“Based Polarization Beam Splitter. Plasmonics, 2021, 16, 493-500.	3.4	4
3	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
4	Photonic Crystal Fiber-Based Reconfigurable Biosensor Using Phase Change Material. IEEE Transactions on Nanobioscience, 2021, 20, 338-344.	3.3	29
5	Transmit Signal Shaping for Molecular Communication. IEEE Wireless Communications Letters, 2021, 10, 1459-1463.	5.0	5
6	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
7	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
8	Photonic Crystal Mach-Zehnder Optical Switch Based on Phase Change Material. , 2020, , .		2
9	High Speed Optical Switch Based on Photonic Crystal Resonator. , 2020, , .		2
10	Modified Inverse Source Coding for Diffusion Based Molecular Communication System. , 2020, , .		1
11	High speed nano-optical encoder using photonic crystal ring resonator. Photonic Network Communications, 2020, 40, 31-39.	2.7	16
12	Numerical Investigation of Reconfigurable Photonic Crystal Switch Based on Phase Change Nanomaterial. IEEE Nanotechnology Magazine, 2020, 19, 545-552.	2.0	16
13	Hybrid plasmonic label-free multi-analyte refractive index sensor. Optoelectronics Letters, 2019, 15, 269-272.	0.8	3
14	Tricore photonic crystal fibre based refractive index sensor for glucose detection. IET Optoelectronics, 2019, 13, 118-123.	3.3	63
15	Asymmetric-clad multi-trench fibers with large mode-area and controlled leakage loss. Optical Fiber Technology, 2019, 48, 235-241.	2.7	11
16	Improved Polarisation Filter Design Using Modified Photonic Crystal Fiber Based on Surface Plasmon. , 2019, , .		0
17	Photonic Crystal Fibre - Based Surface Plasmon Filter Realization. , 2019, , .		0
18	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

#	Article	IF	Citations
19	Enhanced sensitivity of hemoglobin sensor using dual-core photonic crystal fiber. Optical and Quantum Electronics, 2018, 50, 1.	3.3	23
20	Photonic Crystal Fiber-Based Refractive Index Sensor for Early Detection of Cancer. IEEE Sensors Journal, 2018, 18, 7093-7099.	4.7	160
21	Tunable hybrid plasmonic split-ring resonator refractive index sensor for high FOM applications. , 2018, , .		0
22	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
23	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
24	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
25	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
26	Large mode area leakage channel fibers with low bending and higher differential losses. , 2013, , .		0
27	ICA based multiuser detection of DS-CDMA using differential entropy estimation in Rayleigh fading channel. , 2008, , .		0
28	Improved ICA Based Multi-User Detection of DS-CDMA. , 2008, , .		12
29	Design and Simulation Analysis on TMâ€“Pass GST-Assisted Asymmetric Directional Coupler-Based Polarizer. Silicon, 0, , 1.	3.3	2