

Rayhan Habib Jibon

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

337
citations

933447

10
h-index

1058476

14
g-index

19
all docs

19
docs citations

19
times ranked

80
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical sensing through photonic crystal fiber: sulfuric acid detection. <i>Frontiers of Optoelectronics</i> , 2019, 12, 372-381.	3.7	54
2	Design and numerical analysis of a photonic crystal fiber (PCF)-based flattened dispersion THz waveguide. <i>Optical Review</i> , 2021, 28, 564-572.	2.0	46
3	Design mechanism and performance evaluation of photonic crystal fiber (PCF)-based sensor in the THz regime for sensing noxious chemical substrates of poultry feed. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	2.3	44
4	Alcohol Sensing through Photonic Crystal Fiber at Different Temperature. <i>Optics and Photonics Journal</i> , 2018, 08, 309-316.	0.4	30
5	Photonic crystal fiber-based blood components detection in THz regime: Design and simulation. <i>Sensors International</i> , 2021, 2, 100081.	8.4	25
6	Spatial single mode laser source interaction with measured pulse based parabolic index multimode fiber. <i>Journal of Optical Communications</i> , 2021, .	4.7	20
7	Detection of primary chemical analytes in the THz regime with photonic crystal fiber. <i>Sensing and Bio-Sensing Research</i> , 2021, 33, 100427.	4.2	19
8	Design and optimization of a PCF-based chemical sensor in THz regime. <i>Sensing and Bio-Sensing Research</i> , 2021, 32, 100422.	4.2	18
9	Glucose Level Measurement Using Photonic Crystal Fiber-based Plasmonic Sensor. <i>Plasmonics</i> , 2022, 17, 1-11.	3.4	17
10	Numerical Investigation of the Optical Properties for Multiple PCF Structures in the THz Regime. <i>Sensing and Bio-Sensing Research</i> , 2021, 32, 100405.	4.2	11
11	Identification of detrimental chemicals of plastic products using PCF in the THz regime. <i>Measurement: Sensors</i> , 2021, 17, 100056.	1.7	9
12	Signal propagation parameters estimation through designed multi layer fibre with higher dominant modes using OptiFibre simulation. <i>Journal of Optical Communications</i> , 2022, .	4.7	9
13	Toxic Chemicals Detection using Photonic Crystal Fiber in THz Regime. , 2020, , .		8
14	Sensing Toxic Carbonyl Compounds in Cigarette Smoke by Photonic Crystal Fiber. , 2020, , .		8
15	Poisonous chemical detection in the THz regime using PCF: Design and numerical investigation. <i>Journal of Optics (India)</i> , 2021, 50, 671-680.	1.7	6
16	Nicotine Sensing by Photonic Crystal Fiber in THz Regime. , 2021, , .		6
17	Application of WSN in Smart Grid: Present and Future Perspectives. <i>International Journal of Sensors, Wireless Communications and Control</i> , 2021, 11, 649-665.	0.7	5
18	Cyanide Detection with PCF in the THz Region: Composition and Performance Perusal. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Adrenal Glands Cancer Detection using PCF-based Biosensor. , 2021, , .		1