

Abdullah Al-Mamun Bulbul

List of Publications by Year in descending order

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all docs

41
docs citations

41
times ranked

195
citing authors

#	ARTICLE	IF	CITATIONS
1	High birefringence and broadband dispersion compensation photonic crystal fiber. Journal of Optical Communications, 2024, 44, s577-s587.	4.7	7
2	Modelling and numerical analysis of a fabrication-friendly PCF-based biosensor: Milk sensing. Sensing and Bio-Sensing Research, 2022, 35, 100471.	4.2	1
3	Design and quantitative analysis of low loss and extremely sensitive PCF-based biosensor for cancerous cell detection. Optical and Quantum Electronics, 2022, 54, 1.	3.3	5
4	Modeling of the pernicious chemical sensor in the terahertz regime. AIP Conference Proceedings, 2022, , .	0.4	0
5	Development of a Smartphone-Based Expert System for COVID-19 Risk Prediction at Early Stage. Bioengineering, 2022, 9, 281.	3.5	8
6	Mono-Rectangular Core Photonic Crystal Fiber (MRC-PCF) for Skin and Blood Cancer Detection. Plasmonics, 2021, 16, 717-727.	3.4	115
7	A Novel Bayesian Optimization-Based Machine Learning Framework for COVID-19 Detection From Inpatient Facility Data. IEEE Access, 2021, 9, 10263-10281.	4.2	52
8	Design and Numerical Analysis of a Novel Rectangular PCF (R-PCF)-Based Biochemical Sensor (BCS) in the THz Regime. International Journal of Optics, 2021, 2021, 1-16.	1.4	11
9	A Novel Weighted Cluster Based Co-operative Spectrum Sensing Scheme for Cognitive Radio Network. International Journal of Sensors, Wireless Communications and Control, 2021, 11, 252-260.	0.7	0
10	Design and optimization of a PCF-based chemical sensor in THz regime. Sensing and Bio-Sensing Research, 2021, 32, 100422.	4.2	18
11	Numerical Investigation of the Optical Properties for Multiple PCF Structures in the THz Regime. Sensing and Bio-Sensing Research, 2021, 32, 100405.	4.2	11
12	PCF Based Formalin Detection by Exploring the Optical Properties in THz Regime. Nanoscience and Nanotechnology - Asia, 2021, 11, 314-321.	0.7	22
13	Design and numerical analysis of a photonic crystal fiber (PCF)-based flattened dispersion THz waveguide. Optical Review, 2021, 28, 564-572.	2.0	46
14	Application of WSN in Smart Grid: Present and Future Perspectives. International Journal of Sensors, Wireless Communications and Control, 2021, 11, 649-665.	0.7	5
15	Zeonex-based Tetra-rectangular Core-photonic Crystal Fiber for NaCl Detection. Nanoscience and Nanotechnology - Asia, 2021, 11, .	0.7	10
16	Photonics Crystal Fiber-based Cyanide Detection in THz Regime. Nanoscience and Nanotechnology - Asia, 2021, 11, .	0.7	0
17	Design and numerical analysis of an extremely sensitive PCF-based sensor for detecting kerosene adulteration in petrol and diesel. AEJ - Alexandria Engineering Journal, 2021, 60, 5419-5430.	6.4	58
18	Photonic crystal fiber-based blood components detection in THz regime: Design and simulation. Sensors International, 2021, 2, 100081.	8.4	25

#	ARTICLE	IF	CITATIONS
19	CWO-XGB: Grey Wolf Optimization-based eXtreme Gradient Boosting for Hypertension Prediction in Bangladesh. , 2021, , .		0
20	Adrenal Glands Cancer Detection using PCF-based Biosensor. , 2021, , .		1
21	Ethanol Detection Through Photonic Crystal Fiber. Algorithms for Intelligent Systems, 2020, , 175-182.	0.6	7
22	Bane chemicals detection through photonic crystal fiber in THz regime. Optical Fiber Technology, 2020, 54, 102102.	2.7	49
23	Design and optimization of terahertz blood components sensor using photonic crystal fiber. Sensing and Bio-Sensing Research, 2020, 30, 100386.	4.2	13
24	A Novel Ultra-Low Loss Rectangle-Based Porous-Core PCF for Efficient THz Waveguidance: Design and Numerical Analysis. Sensors, 2020, 20, 6500.	3.8	31
25	Alcohol sensing and classification using PCF-based sensor. Sensing and Bio-Sensing Research, 2020, 30, 100384.	4.2	26
26	Design and numerical analysis of a PCF-based bio-sensor for breast cancer cell detection in the THz regime. Sensing and Bio-Sensing Research, 2020, 30, 100388.	4.2	23
27	Life Automation: A Blessing of IoT. , 2020, , .		0
28	Toxic Chemicals Detection using Photonic Crystal Fiber in THz Regime. , 2020, , .		8
29	Sensing Toxic Carbonyl Compounds in Cigarette Smoke by Photonic Crystal Fiber. , 2020, , .		8
30	Detection of lung agents through rectangular hollow-core photonic crystal fiber. , 2020, , .		0
31	Highly Sensitive Photonic Crystal Fiber for Illegal Drugs Detection in THz Regime. , 2020, , .		6
32	Multi-level Intelligent Border Security System. Advances in Intelligent Systems and Computing, 2020, , 571-579.	0.6	0
33	EEG Based Sleep-Wake Classification Using JOPS Algorithm. Lecture Notes in Computer Science, 2020, , 361-371.	1.3	1
34	Chemical sensing through photonic crystal fiber: sulfuric acid detection. Frontiers of Optoelectronics, 2019, 12, 372-381.	3.7	54
35	Identification of Cyanide within Hollow Core Photonics Crystal Fiber. , 2019, , .		4
36	Hexagonal Photonic Crystal Fiber with Small Effective Area and Zero Waveguide Dispersion. , 2019, , .		1

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37	High-Capacity Downlink for Millimeter Wave Communication Network Architecture. Advances in Intelligent Systems and Computing, 2019, , 657-666.	0.6	1
38	Alcohol Sensing through Photonic Crystal Fiber at Different Temperature. Optics and Photonics Journal, 2018, 08, 309-316.	0.4	30
39	Analysis of Optical Properties for Square, Circular and Hexagonal Photonic Crystal Fiber. Optics and Photonics Journal, 2017, 07, 235-243.	0.4	29
40	Optical Parameters Analysis of Photonic Crystal Fiber with Rectangular Lattice Geometry. Journal of Scientific Research and Reports, 2017, 17, 1-8.	0.2	4
41	Design and numerical analysis of a dispersion-flattened fabrication-friendly PCF-based THz waveguide. Journal of Optics (India), 0, , 1.	1.7	1