

Abdullah Al-Mamun Bulbul

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

691
citations

623574

14
h-index

580701

25
g-index

41
all docs

41
docs citations

41
times ranked

195
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Mono-Rectangular Core Photonic Crystal Fiber (MRC-PCF) for Skin and Blood Cancer Detection. Plasmonics, 2021, 16, 717-727. | 1.8 | 115 |
| 2 | 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. | 3.4 | 58 |
| 3 | Chemical sensing through photonic crystal fiber: sulfuric acid detection. Frontiers of Optoelectronics, 2019, 12, 372-381. | 1.9 | 54 |
| 4 | A Novel Bayesian Optimization-Based Machine Learning Framework for COVID-19 Detection From Inpatient Facility Data. IEEE Access, 2021, 9, 10263-10281. | 2.6 | 52 |
| 5 | Bane chemicals detection through photonic crystal fiber in THz regime. Optical Fiber Technology, 2020, 54, 102102. | 1.4 | 49 |
| 6 | Design and numerical analysis of a photonic crystal fiber (PCF)-based flattened dispersion THz waveguide. Optical Review, 2021, 28, 564-572. | 1.2 | 46 |
| 7 | A Novel Ultra-Low Loss Rectangle-Based Porous-Core PCF for Efficient THz Waveguidance: Design and Numerical Analysis. Sensors, 2020, 20, 6500. | 2.1 | 31 |
| 8 | Alcohol Sensing through Photonic Crystal Fiber at Different Temperature. Optics and Photonics Journal, 2018, 08, 309-316. | 0.3 | 30 |
| 9 | Analysis of Optical Properties for Square, Circular and Hexagonal Photonic Crystal Fiber. Optics and Photonics Journal, 2017, 07, 235-243. | 0.3 | 29 |
| 10 | Alcohol sensing and classification using PCF-based sensor. Sensing and Bio-Sensing Research, 2020, 30, 100384. | 2.2 | 26 |
| 11 | Photonic crystal fiber-based blood components detection in THz regime: Design and simulation. Sensors International, 2021, 2, 100081. | 4.9 | 25 |
| 12 | 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. | 2.2 | 23 |
| 13 | PCF Based Formalin Detection by Exploring the Optical Properties in THz Regime. Nanoscience and Nanotechnology - Asia, 2021, 11, 314-321. | 0.3 | 22 |
| 14 | Design and optimization of a PCF-based chemical sensor in THz regime. Sensing and Bio-Sensing Research, 2021, 32, 100422. | 2.2 | 18 |
| 15 | Design and optimization of terahertz blood components sensor using photonic crystal fiber. Sensing and Bio-Sensing Research, 2020, 30, 100386. | 2.2 | 13 |
| 16 | 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. | 0.6 | 11 |
| 17 | Numerical Investigation of the Optical Properties for Multiple PCF Structures in the THz Regime. Sensing and Bio-Sensing Research, 2021, 32, 100405. | 2.2 | 11 |
| 18 | Zeonex-based Tetra-rectangular Core-photonic Crystal Fiber for NaCl Detection. Nanoscience and Nanotechnology - Asia, 2021, 11, . | 0.3 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Toxic Chemicals Detection using Photonic Crystal Fiber in THz Regime. , 2020, , . | | 8 |
| 20 | Sensing Toxic Carbonyl Compounds in Cigarette Smoke by Photonic Crystal Fiber. , 2020, , . | | 8 |
| 21 | Development of a Smartphone-Based Expert System for COVID-19 Risk Prediction at Early Stage. Bioengineering, 2022, 9, 281. | 1.6 | 8 |
| 22 | Ethanol Detection Through Photonic Crystal Fiber. Algorithms for Intelligent Systems, 2020, , 175-182. | 0.5 | 7 |
| 23 | High birefringence and broadband dispersion compensation photonic crystal fiber. Journal of Optical Communications, 2024, 44, s577-s587. | 4.0 | 7 |
| 24 | Highly Sensitive Photonic Crystal Fiber for Illegal Drugs Detection in THz Regime. , 2020, , . | | 6 |
| 25 | Application of WSN in Smart Grid: Present and Future Perspectives. International Journal of Sensors, Wireless Communications and Control, 2021, 11, 649-665. | 0.5 | 5 |
| 26 | Design and quantitative analysis of low loss and extremely sensitive PCF-based biosensor for cancerous cell detection. Optical and Quantum Electronics, 2022, 54, 1. | 1.5 | 5 |
| 27 | Identification of Cyanide within Hollow Core Photonics Crystal Fiber. , 2019, , . | | 4 |
| 28 | Optical Parameters Analysis of Photonic Crystal Fiber with Rectangular Lattice Geometry. Journal of Scientific Research and Reports, 2017, 17, 1-8. | 0.2 | 4 |
| 29 | Hexagonal Photonic Crystal Fiber with Small Effective Area and Zero Waveguide Dispersion. , 2019, , . | | 1 |
| 30 | High-Capacity Downlink for Millimeter Wave Communication Network Architecture. Advances in Intelligent Systems and Computing, 2019, , 657-666. | 0.5 | 1 |
| 31 | EEG Based Sleep-Wake Classification Using JOPS Algorithm. Lecture Notes in Computer Science, 2020, , 361-371. | 1.0 | 1 |
| 32 | Design and numerical analysis of a dispersion-flattened fabrication-friendly PCF-based THz waveguide. Journal of Optics (India), 0, , 1. | 0.8 | 1 |
| 33 | Modelling and numerical analysis of a fabrication-friendly PCF-based biosensor: Milk sensing. Sensing and Bio-Sensing Research, 2022, 35, 100471. | 2.2 | 1 |
| 34 | Adrenal Glands Cancer Detection using PCF-based Biosensor. , 2021, , . | | 1 |
| 35 | Life Automation: A Blessing of IoT. , 2020, , . | | 0 |
| 36 | Detection of lung agents through rectangular hollow-core photonic crystal fiber. , 2020, , . | | 0 |

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|----|--|-----|-----------|
| 37 | 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. | 0.5 | 0 |
| 38 | Photonics Crystal Fiber-based Cyanide Detection in THz Regime. Nanoscience and Nanotechnology - Asia, 2021, 11, . | 0.3 | 0 |
| 39 | Multi-level Intelligent Border Security System. Advances in Intelligent Systems and Computing, 2020, , 571-579. | 0.5 | 0 |
| 40 | GWO-XGB: Grey Wolf Optimization-based eXtreme Gradient Boosting for Hypertension Prediction in Bangladesh. , 2021, , . | | 0 |
| 41 | Modeling of the pernicious chemical sensor in the terahertz regime. AIP Conference Proceedings, 2022, , . | 0.3 | 0 |