

Kawser Ahmed

List of Publications by Year in descending order

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Version: 2024-02-01

257
papers

6,988
citations

57631

44
h-index

98622

67
g-index

264
all docs

264
docs citations

264
times ranked

1838
citing authors

#	ARTICLE	IF	CITATIONS
1	Beam divergence and operating wavelength bands effects on free space optics communication channels in local access networks. Journal of Optical Communications, 2024, 44, s823-s831.	4.0	83
2	Highly Efficient Solar Energy Conversion Using Graded-index Metamaterial Nanostructured Waveguide. Journal of Optical Communications, 2024, 44, s669-s672.	4.0	2
3	Chirped Large Mode Area Photonic Crystal Modal Fibers and its Resonance Modes Based on Finite Element Technique. Journal of Optical Communications, 2023, 44, 333-338.	4.0	73
4	Federated Machine Learning for Detection of Skin Diseases and Enhancement of Internet of Medical Things (IoMT) Security. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 835-841.	3.9	43
5	Dependable Intrusion Detection System for IoT: A Deep Transfer Learning Based Approach. IEEE Transactions on Industrial Informatics, 2023, 19, 1006-1017.	7.2	38
6	Polar Polarization Mode and Average Radical Flux Intensity Measurements Based on All Optical Spatial Communication Systems. Journal of Optical Communications, 2022, .	4.0	72
7	The effects of Tx./Rx. pointing errors on the performance efficiency of local area optical wireless communication networks. Journal of Optical Communications, 2022, .	4.0	58
8	Long-Range Surface Plasmon Resonance-Based Sensitivity Study on D-shaped Ag-MgF ₂ -Coated Models with Analyte Variations. Plasmonics, 2022, 17, 277-286.	1.8	8
9	Ultra-high negative dispersion compensating modified square shape photonic crystal fiber for optical broadband communication. AEJ - Alexandria Engineering Journal, 2022, 61, 2799-2806.	3.4	29
10	Novel Detection of Diesel Adulteration Using Silver-Coated Surface Plasmon Resonance Sensor. Plasmonics, 2022, 17, 467-478.	1.8	8
11	How do banks' capital regulation and risk-taking respond to COVID-19? Empirical insights of ownership structure. International Journal of Islamic and Middle Eastern Finance and Management, 2022, 15, 406-424.	1.3	4
12	Fabry Perot laser properties with high pump lasers for upgrading fiber optic transceiver systems. Journal of Optical Communications, 2022, .	4.0	74
13	GaAs-filled elliptical core-based hexagonal PCF with excellent optical properties for nonlinear optical applications. Ceramics International, 2022, 48, 5617-5625.	2.3	13
14	Identification of Molecular Biomarkers and Key Pathways for Esophageal Carcinoma (EsC): A Bioinformatics Approach. BioMed Research International, 2022, 2022, 1-14.	0.9	4
15	Identification of Potential Key Genes and Molecular Mechanisms of Medulloblastoma Based on Integrated Bioinformatics Approach. BioMed Research International, 2022, 2022, 1-17.	0.9	8
16	Novel shaped solid-core photonic crystal fiber for the numerical study of nonlinear optical properties. Optical and Quantum Electronics, 2022, 54, .	1.5	6
17	A Novel Sensitive Photonic Crystal Fiber Based Voltage Sensor Filled With Nematic Liquid Crystal. IEEE Nanotechnology Magazine, 2022, 21, 90-99.	1.1	5
18	Tellurite glass based optical fiber for the investigation of supercontinuum generation and nonlinear properties. Physica Scripta, 2022, 97, 030007.	1.2	17

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19	Encoding and Tuning of THz Metasurface-Based Refractive Index Sensor With Behavior Prediction Using XGBoost Regressor. IEEE Access, 2022, 10, 24797-24814.	2.6	39
20	Ultra-Wideband, Polarization-Independent, Wide-Angle Multilayer Swastika-Shaped Metamaterial Solar Energy Absorber with Absorption Prediction using Machine Learning. Advanced Theory and Simulations, 2022, 5, .	1.3	53
21	Multi-layered graphene silica-metasurface based infrared polarizer structure. Optical and Quantum Electronics, 2022, 54, 1.	1.5	6
22	Exploration of multi-metallic thin layer/MgF2 in side-polished optical fiber as long-range surface plasmons (LRSPs) alcohol sensor. Optical and Quantum Electronics, 2022, 54, 1.	1.5	3
23	DeepDNAbP: A deep learning-based hybrid approach to improve the identification of deoxyribonucleic acid-binding proteins. Computers in Biology and Medicine, 2022, 145, 105433.	3.9	5
24	Novel approach of anti-resonant fiber with supporting 64 orbital angular momentum modes for optical communication. AEJ - Alexandria Engineering Journal, 2022, 61, 9891-9900.	3.4	1
25	Ultra-broadband and polarization-insensitive metasurface absorber with behavior prediction using machine learning. AEJ - Alexandria Engineering Journal, 2022, 61, 10379-10393.	3.4	10
26	Discovering Common Pathophysiological Processes between COVID-19 and Cystic Fibrosis by Differential Gene Expression Pattern Analysis. BioMed Research International, 2022, 2022, 1-12.	0.9	2
27	Surface Plasmon Resonance-Based Refractive Index Biosensor: an External Sensing Approach. Plasmonics, 2022, 17, 1581-1592.	1.8	7
28	Inspection of an HSH-PCF for optical Communication with high Non-linearity, birefringence and negative dispersion. AEJ - Alexandria Engineering Journal, 2022, 61, 11139-11147.	3.4	9
29	Graphene-based metasurface solar absorber design for the visible and near-infrared region with behavior prediction using Polynomial Regression. Optik, 2022, 262, 169298.	1.4	23
30	MLBioIGE: integration and interplay of machine learning and bioinformatics approach to identify the genetic effect of SARS-COV-2 on idiopathic pulmonary fibrosis patients. Biology Methods and Protocols, 2022, 7, .	1.0	8
31	YOLO_CC: Deep Learning based Approach for Early Stage Detection of Cervical Cancer from Cervix Images Using YOLOv5s Model. , 2022, , .		8
32	PrePCF_ML: Prediction of photonic crystal fiber parameters using machine learning algorithms. , 2022, , .		1
33	Identification of Significant Risk Factors and Impact for ASD Prediction among Children Using Machine Learning Approach. , 2022, , .		10
34	FEA_LiNbO3: Finite element analysis of novel LiNbO3 material based fiber for optical communication properties of nonlinear applications. AEJ - Alexandria Engineering Journal, 2022, 61, 12915-12923.	3.4	5
35	Ultra-Low Material Loss Quasi Pattern Based Photonic Crystal Fiber for Long Distance THz Wave Propagation. Silicon, 2021, 13, 1663-1673.	1.8	4
36	Numerical investigation of tunable multistacked metamaterial-based graphene grating. Microwave and Optical Technology Letters, 2021, 63, 1106-1111.	0.9	2

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37	Network-based identification genetic effect of SARS-CoV-2 infections to Idiopathic pulmonary fibrosis (IPF) patients. Briefings in Bioinformatics, 2021, 22, 1254-1266.	3.2	64
38	Numerical demonstration of triangular shaped photonic crystal fibre-based biosensor in the Terahertz range. IET Optoelectronics, 2021, 15, 1-7.	1.8	18
39	Polymer and Ceramic Nanotechnology for Biomedical Applications. , 2021, , 1357-1375.		0
40	Numerical investigation of spiral photonic crystal fiber (S-PCF) with supporting high order OAM modes propagation for space division multiplexing applications. Optical and Quantum Electronics, 2021, 53, 1.	1.5	17
41	COVID-Hero: Machine Learning Based COVID-19 Awareness Enhancement Mobile Game for Children. Communications in Computer and Information Science, 2021, , 321-335.	0.4	5
42	Significant pathway and biomarker identification of pancreatic cancer associated lung cancer. Informatics in Medicine Unlocked, 2021, 25, 100637.	1.9	2
43	Intelligent Wearable Electronics: A New Paradigm in Smart Electronics. EAI/Springer Innovations in Communication and Computing, 2021, , 169-197.	0.9	4
44	Micro-Structure Ring Fiber-Based Novel Magnetic Sensor with High Birefringence and High Sensitivity Response in Broad Waveband. Plasmonics, 2021, 16, 905-913.	1.8	11
45	SPR Sensor-Based Sensitivity Performance Investigation Using an H-Shaped Model with Supportive Metal Variation. Plasmonics, 2021, 16, 1327-1337.	1.8	10
46	Identification of biomarkers and pathways for the SARS-CoV-2 infections that make complexities in pulmonary arterial hypertension patients. Briefings in Bioinformatics, 2021, 22, 1451-1465.	3.2	30
47	Simple hollow core photonic crystal fiber for monitoring carbon dioxide gas with very high accuracy. Sensing and Bio-Sensing Research, 2021, 31, 100401.	2.2	20
48	Differential optical absorption spectroscopy-based refractive index sensor for cancer cell detection. Optical Review, 2021, 28, 134-143.	1.2	96
49	Identification of molecular biomarkers and pathways of NSCLC: insights from a systems biomedicine perspective. Journal of Genetic Engineering and Biotechnology, 2021, 19, 43.	1.5	8
50	PreDTIs: prediction of drug-target interactions based on multiple feature information using gradient boosting framework with data balancing and feature selection techniques. Briefings in Bioinformatics, 2021, 22, .	3.2	38
51	Exploring the optical properties of exposed-core-based photonic-crystal fibers. Journal of Computational Electronics, 2021, 20, 1260-1269.	1.3	5
52	Fault detection technology of national traditional sports equipment based on optical microscope imaging technology. AEJ - Alexandria Engineering Journal, 2021, 60, 2697-2705.	3.4	10
53	Highly Sensitive Twin Resonance Coupling Refractive Index Sensor Based on Gold- and MgF ₂ -Coated Nano Metal Films. Biosensors, 2021, 11, 104.	2.3	70
54	Bioinformatics and system biology approach to identify the influences of SARS-CoV-2 infections to idiopathic pulmonary fibrosis and chronic obstructive pulmonary disease patients. Briefings in Bioinformatics, 2021, 22, .	3.2	57

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55	Development and analysis of surface plasmon resonance based refractive index sensor for pregnancy testing. <i>Optics and Lasers in Engineering</i> , 2021, 140, 106551.	2.0	56
56	Comprehensive effects of black cumin (<i>Nigella sativa</i>) and synthetic antioxidant on sensory and physicochemical quality of beef patties during refrigerant storage. <i>Journal of Agriculture and Food Research</i> , 2021, 4, 100145.	1.2	15
57	Deep Transfer Learning Based Intrusion Detection System for Electric Vehicular Networks. <i>Sensors</i> , 2021, 21, 4736.	2.1	52
58	Anomalous birefringence and nonlinearity enhancement of As_2S_3 and As_2S_5 filled D-shape fiber for optical communication. <i>Physica Scripta</i> , 2021, 96, 115501.	1.2	7
59	High sensitivity refractive index sensor based on triple layer MgF ₂ -gold-MgF ₂ coated nano metal films photonic crystal fiber. <i>Optik</i> , 2021, 241, 166950.	1.4	48
60	Design of novel models for optical communication with ultra-high non-linearity, birefringence and low loss profile. <i>Physica Scripta</i> , 2021, 96, 125107.	1.2	12
61	Heart disease prediction using supervised machine learning algorithms: Performance analysis and comparison. <i>Computers in Biology and Medicine</i> , 2021, 136, 104672.	3.9	141
62	Quality of life among Bangladeshi Youth during the early stage of the COVID-19 pandemic: A single-site survey. <i>Public Health in Practice</i> , 2021, 2, 100157.	0.7	2
63	Novel nested anti-resonant fiber based magnetic fluids sensor: Performance and bending effects inspection. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 538, 168230.	1.0	10
64	Multimode Interference-Based Photonic Crystal Fiber Glucose Sensor. <i>Plasmonics</i> , 2021, 16, 811-818.	1.8	12
65	Polymer and Ceramic Nanotechnology for Biomedical Applications. , 2021, , 1-20.		0
66	Performance Enhancement of Fiber Optic and Optical Wireless Communication Channels by Using Forward Error Correction Codes. <i>Journal of Optical Communications</i> , 2021, .	4.0	70
67	Conventional/Phase Shift Dual Drive Mach-Zehnder Modulation Measured Type Based Radio over Fiber Systems. <i>Journal of Optical Communications</i> , 2021, .	4.0	82
68	Simulation study of signal gain optimization based on hybrid composition techniques for high-speed optically dense multiplexed systems. <i>Journal of Optical Communications</i> , 2021, .	4.0	75
69	Machine learning-based statistical analysis for early stage detection of cervical cancer. <i>Computers in Biology and Medicine</i> , 2021, 139, 104985.	3.9	35
70	Development of an in silico multi-epitope vaccine against SARS-COV-2 by α -based immune-informatics approaches. <i>Informatics in Medicine Unlocked</i> , 2021, 27, 100781.	1.9	16
71	Hollow core negative curvature fiber based refractive index sensor design and investigation for tuberculosis monitoring. <i>Physica Scripta</i> , 2021, 96, 125877.	1.2	4
72	Technical Specifications of the Submarine Fiber Optic Channel Bandwidth/Capacity in Optical Fiber Transmission Systems. <i>Journal of Optical Communications</i> , 2020, .	4.0	72

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73	Extremely Low Loss of Photonic Crystal Fiber for Terahertz Wave Propagation in Optical Communication Applications. <i>Journal of Optical Communications</i> , 2020, 41, 393-401.	4.0	17
74	Fe ₃ O ₄ nanofluid injected photonic crystal fiber for magnetic field sensing applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 494, 165831.	1.0	27
75	Exploring next generation of IOT devices compatible few mode assisting ring core elliptical cladding optical fiber. <i>Wireless Networks</i> , 2020, 26, 3217-3225.	2.0	3
76	Exploring refractive index sensor using gold coated D-shaped photonic crystal fiber for biosensing applications. <i>Optik</i> , 2020, 202, 163649.	1.4	20
77	Highly nonlinear Silicon Nanocrystal doped photonic crystal fibers with low confinement loss. <i>Physica B: Condensed Matter</i> , 2020, 577, 411802.	1.3	3
78	Theoretical analysis of highly temperature-sensitive fem based optical sensor in the infrared range. <i>Optik</i> , 2020, 205, 164060.	1.4	7
79	Analysis of terahertz waveguide properties of Q-PCF based on FEM scheme. <i>Optical Materials</i> , 2020, 100, 109634.	1.7	27
80	Surface plasmon resonance-based gold-coated biosensor for the detection of fuel adulteration. <i>Journal of Computational Electronics</i> , 2020, 19, 321-332.	1.3	22
81	Graphene Injected D-Shape Photonic Crystal Fiber for Nonlinear Optical Applications. <i>Silicon</i> , 2020, 12, 2293-2300.	1.8	6
82	Photonic crystal fiber for robust orbital angular momentum transmission: design and investigation. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	35
83	Application of optical fiber nanotechnology in power communication transmission. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 5019-5030.	3.4	43
84	Design and FEM analysis of pentagonal photonic crystal fiber for highly non-linear applications. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	6
85	Investigation of gas sensor based on differential optical absorption spectroscopy using photonic crystal fiber. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 5045-5052.	3.4	38
86	Design and characterization of rectangular slotted porous core photonic crystal fiber for sensing CO ₂ gas. <i>Sensing and Bio-Sensing Research</i> , 2020, 30, 100379.	2.2	13
87	Design and fabrication of amoeba faced photonic crystal fiber for biosensing application. <i>Sensors and Actuators A: Physical</i> , 2020, 313, 112204.	2.0	35
88	Identification of vital regulatory genes with network pathways among Huntington's, Parkinson's, and Alzheimer's diseases. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2020, 9, 1.	1.2	3
89	Design and optimization of terahertz blood components sensor using photonic crystal fiber. <i>Sensing and Bio-Sensing Research</i> , 2020, 30, 100386.	2.2	13
90	Numerical analysis of circular core shaped photonic crystal fiber for orbital angular momentum with efficient transmission. <i>Applied Physics B: Lasers and Optics</i> , 2020, 126, 1.	1.1	32

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91	Proposal of a Highly Birefringent Bow-Tie Photonic Crystal Fiber for Nonlinear Applications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 659-670.	0.2	3
92	Network based study to explore genetic linkage between diabetes mellitus and myocardial ischemia: Bioinformatics approach. Gene Reports, 2020, 21, 100809.	0.4	4
93	Detection of cancer affected cell using Sagnac interferometer based photonic crystal fiber refractive index sensor. Optical and Quantum Electronics, 2020, 52, 1.	1.5	27
94	A genome-wide association study to identify candidate genes for erectile dysfunction. Briefings in Bioinformatics, 2020, 22, .	3.2	16
95	Novel design of dual guided photonic crystal fiber for large capacity transmission in high-speed optics communications with supporting good quality OAM and LP modes. AEJ - Alexandria Engineering Journal, 2020, 59, 4889-4899.	3.4	20
96	Hybrid porous core photonic crystal fiber sensor for monitoring nitrous oxide gas. Sensing and Bio-Sensing Research, 2020, 30, 100389.	2.2	7
97	The design and analysis of a dual-diamond-ring PCF-based sensor. Journal of Computational Electronics, 2020, 19, 1288-1294.	1.3	11
98	Carbon disulphide (CS ₂) enriched photonic crystal fiber for nonlinear application: a FEM scheme. Optical and Quantum Electronics, 2020, 52, 1.	1.5	6
99	Ultrahigh sensitivity refractive index biosensor based on gold coated nano-film photonic crystal fiber. Results in Physics, 2020, 17, 103151.	2.0	27
100	Magnetic Fluid-Injected Ring-Core-Based Micro-structured Optical Fiber for Temperature Sensing in Broad Wavelength Spectrum. Journal of Electronic Materials, 2020, 49, 4969-4976.	1.0	13
101	Highly Sensitive Refractive Index Sensor for Temperature and Salinity Measurement of Seawater. Optik, 2020, 216, 164901.	1.4	26
102	Mining and predicting protein-drug interaction network of breast cancer risk genes. Gene Reports, 2020, 20, 100753.	0.4	0
103	Analysis of gene network model of Thyroid Disorder and associated diseases: A bioinformatics approach. Informatics in Medicine Unlocked, 2020, 20, 100381.	1.9	0
104	Hi-Bi Photonic Crystal Fiber for Broadband Filter Realization Using Copper Microwires. Plasmonics, 2020, 15, 1789-1797.	1.8	10
105	Design a photonic crystal fiber of guiding terahertz orbital angular momentum beams in optical communication. Optics Communications, 2020, 475, 126192.	1.0	36
106	Design of Magnetic Fluid Sensor Using Elliptically Hole Assisted Photonic Crystal Fiber (PCF). Journal of Superconductivity and Novel Magnetism, 2020, 33, 2189-2198.	0.8	18
107	Characterizing topological properties and network pathway model among vector borne diseases. Informatics in Medicine Unlocked, 2020, 18, 100312.	1.9	2
108	Design protein-protein interaction network and protein-drug interaction network for common cancer diseases: A bioinformatics approach. Informatics in Medicine Unlocked, 2020, 18, 100311.	1.9	12

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109	Identification of the core ontologies and signature genes of polycystic ovary syndrome (PCOS): A bioinformatics analysis. Informatics in Medicine Unlocked, 2020, 18, 100304.	1.9	13
110	Design and performance evaluation of photonic crystal fibers of supporting orbital angular momentum states in optical transmission. Optics Communications, 2020, 467, 125731.	1.0	31
111	Novel spider web photonic crystal fiber for robust mode transmission applications with supporting orbital angular momentum transmission property. Optical and Quantum Electronics, 2020, 52, 1.	1.5	27
112	Endlessly single-mode photonic crystal fiber with high birefringence for sensing applications. Modern Physics Letters B, 2020, 34, 2050077.	1.0	3
113	Oligoporous-core Quasi cladding photonic crystal fiber based micro-sensor for alcohol detection. Physica B: Condensed Matter, 2020, 584, 412104.	1.3	6
114	Sensitivity Comparison of Refractive Index Transducer Optical Fiber Based on Surface Plasmon Resonance Using Ag, Cu, and Bimetallic Ag@Cu Layer. Micromachines, 2020, 11, 77.	1.4	17
115	Computational analysis of regulatory genes network pathways among devastating cancer diseases. Journal of Proteins and Proteomics, 2020, 11, 63-76.	1.0	1
116	Ring-based coil structure photonic crystal fiber for transmission of Orbital Angular Momentum with large bandwidth: Outline, investigation and analysis. Optics Communications, 2020, 473, 126003.	1.0	37
117	Spatial optical transceiver system-based key solution for high data rates in measured index multimode optical fibers for indoor applications. Journal of Optical Communications, 2020, .	4.0	76
118	Computational modeling and analysis of gene regulatory interaction network for metabolic disorder: a bioinformatics approach. Biointerface Research in Applied Chemistry, 2020, 10, 5910-5917.	1.0	7
119	Computational Analysis of Network Model Based Relationship of Mental Disorder with Depression. Biointerface Research in Applied Chemistry, 2020, 10, 6293-6305.	1.0	7
120	Smart Risk Prediction Tools of Appendicitis Patients: A Machine Learning Approach. Biointerface Research in Applied Chemistry, 2020, 11, 7804-7813.	1.0	5
121	Development of Score Based Smart Risk Prediction Tool for Detection of Type-1 Diabetes: A Bioinformatics and Machine Learning Approach. Biointerface Research in Applied Chemistry, 2020, 11, 9007-9016.	1.0	1
122	Analyzing the protein-protein interaction network and the topological properties of prostate cancer and allied diseases: A computational bioinformatics approach. Gene Reports, 2020, 21, 100842.	0.4	0
123	Drug compound prediction-based analysis of cigarette smoking to Pancreatic Cancer patients: A Bioinformatics study. , 2020, , .		1
124	A Bioinformatics Analysis to Identify Hub Genes from Protein-Protein Interaction Network for Cancer and Stress. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 671-679.	0.2	0
125	Numerical simulation of a highly directional optical leaky wave antenna using diamond-shaped graphene perturbations. Applied Optics, 2020, 59, 2225.	0.9	5
126	Analysis of topological properties and drug discovery for bipolar disorder and associated diseases: A bioinformatics approach. Cellular and Molecular Biology, 2020, 66, 152-160.	0.3	2

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127	Development of Photonic Crystal Fiber-Based Gas/Chemical Sensors. , 2019, , 287-317.		31
128	An optimal design of conservative efficient reversible parity logic circuits using QCA. International Journal of Information Technology (Singapore), 2019, 11, 785-794.	1.8	9
129	High birefringent, low loss and flattened dispersion asymmetric slotted core-based photonic crystal fiber in THz regime. International Journal of Modern Physics B, 2019, 33, 1950218.	1.0	10
130	The performance of hosting and core materials for slotted core Q-PCF in terahertz spectrum. Optik, 2019, 194, 163084.	1.4	22
131	Low insertion loss and high extinction ratio analysis of a new surface plasmon resonance based photonic crystal fiber filter. Optik, 2019, 194, 163069.	1.4	12
132	Surface Plasmon Resonance Based Titanium Coated Biosensor for Cancer Cell Detection. IEEE Photonics Journal, 2019, 11, 1-10.	1.0	168
133	Quasi photonic crystal fiber for chemical sensing purpose in the terahertz regime: design and analysis. Optical and Quantum Electronics, 2019, 51, 1.	1.5	13
134	Numerical demonstration of hexagonal-shaped dual-core-based photonic crystal fiber for a wide telecommunication window. Journal of Computational Electronics, 2019, 18, 1455-1468.	1.3	1
135	Popularity Prediction of Online News Item Based on Social Media Response. , 2019, , .		1
136	Highly birefringent TOPAS based single mode photonic crystal fiber with ultra-low material loss for Terahertz applications. Optical Fiber Technology, 2019, 53, 102031.	1.4	31
137	Potential therapeutic drugs for ischemic stroke and stress disorder: A bioinformatics analysis. Informatics in Medicine Unlocked, 2019, 17, 100259.	1.9	4
138	Extremely low loss optical waveguide for terahertz pulse guidance. Results in Physics, 2019, 15, 102666.	2.0	11
139	Design of terahertz spectroscopy based optical sensor for chemical detection. SN Applied Sciences, 2019, 1, 1.	1.5	28
140	Refractive Index-Based Blood Components Sensing in Terahertz Spectrum. IEEE Sensors Journal, 2019, 19, 3368-3375.	2.4	131
141	Tetra-core surface plasmon resonance based biosensor for alcohol sensing. Physica B: Condensed Matter, 2019, 570, 48-52.	1.3	50
142	FEM analysis of birefringence, dispersion and nonlinearity of graphene coated photonic crystal fiber. Ceramics International, 2019, 45, 15343-15347.	2.3	41
143	Numerical analysis of a highly nonlinear microstructured optical fiber with air-holes arranged in spirals. Optical Fiber Technology, 2019, 51, 90-95.	1.4	7
144	Titanium-Coated Dual-Core D-Shaped SPR-Based PCF for Hemoglobin Sensing. Plasmonics, 2019, 14, 1601-1610.	1.8	42

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145	A Novel Hexahedron Photonic Crystal Fiber in Terahertz Propagation: Design and Analysis. Photonics, 2019, 6, 32.	0.9	39
146	Common Gene Regulatory Network for Anxiety Disorder Using Cytoscape: Detection and Analysis. Lecture Notes in Computer Science, 2019, , 209-218.	1.0	2
147	Design of Ge ₂₀ Sb ₁₅ Se ₆₅ embedded rectangular slotted quasi photonic crystal fiber for higher nonlinearity applications. Optik, 2019, 184, 63-69.	1.4	12
148	Numerical evaluation of the performance of different materials in nonlinear optical applications. Results in Physics, 2019, 13, 102184.	2.0	16
149	Effects of TiO ₂ on the performance of silver coated on side-polished optical fiber for alcohol sensing applications. Optical Fiber Technology, 2019, 50, 183-187.	1.4	23
150	Design of D-shaped elliptical core photonic crystal fiber for blood plasma cell sensing application. Results in Physics, 2019, 12, 2021-2025.	2.0	141
151	Proposal of a new method for image encryption and decryption technique. , 2019, , .		0
152	Topology Analysis of Protein-protein Interaction Network and Identification of Gene Ontology for Obstructive Sleep Apnea and Associated Diseases Using Bioinformatics Tools. , 2019, , .		0
153	Heptagonal Photonic Crystal Fiber Based Chemical Sensor in THz Regime. , 2019, , .		16
154	Multicore bi-layer gold-coated SPR-based sensor for simultaneous measurements of CFC and HCFC. International Journal of Modern Physics B, 2019, 33, 1950316.	1.0	2
155	A novel star shape photonic crystal fiber for low loss terahertz pulse propagation. Nano Communication Networks, 2019, 19, 26-32.	1.6	8
156	D-shaped PCF sensor based on SPR for the detection of carcinogenic agents in food and cosmetics. Optik, 2019, 180, 264-270.	1.4	67
157	Materials Effect in Sensing Performance Based on Surface Plasmon Resonance Using Photonic Crystal Fiber. Plasmonics, 2019, 14, 861-867.	1.8	14
158	Single polarization photonic crystal fiber filter based on surface plasmon resonance. Frontiers of Optoelectronics, 2019, 12, 157-164.	1.9	17
159	Design of tellurite glass based quasi photonic crystal fiber with high nonlinearity. Optik, 2019, 181, 185-190.	1.4	21
160	Ultra-high negative dispersion and nonlinearity based single mode photonic crystal fiber: design and analysis. Journal of Optics (India), 2019, 48, 18-25.	0.8	23
161	Tri-core photonic crystal fiber based refractive index dual sensor for salinity and temperature detection. Microwave and Optical Technology Letters, 2019, 61, 847-852.	0.9	96
162	material filled novel heptagonal photonic crystal fiber for laser applications. Ceramics International, 2019, 45, 1215-1218.	2.0	20

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163	Analysis of optical sensitivity of analytes in aqua solutions. <i>Optik</i> , 2019, 178, 970-977.	1.4	11
164	Proposed Square Lattice Photonic Crystal Fiber for Extremely High Nonlinearity, Birefringence and Ultra-High Negative Dispersion Compensation. <i>Journal of Optical Communications</i> , 2019, 40, 401-410.	4.0	29
165	Ultra-low Loss with Single Mode Polymer-Based Photonic Crystal Fiber for THz Waveguide. <i>Journal of Optical Communications</i> , 2019, 40, 411-417.	4.0	18
166	Performance analysis of circularly photonic crystal fiber for orbital angular momentum mode generation. <i>Optical Engineering</i> , 2019, 58, 1.	0.5	8
167	FEM based highly sensitive dual core temperature sensor: design and analysis. <i>OSA Continuum</i> , 2019, 2, 2581.	1.8	16
168	Modified HuffBit Compress Algorithm " An Application of R. <i>Journal of Integrative Bioinformatics</i> , 2018, 15, .	1.0	6
169	Design regulatory interaction network for anxiety disorders using R: A bioinformatics approach. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2018, 7, 326-335.	0.8	2
170	Gold-coated photonic crystal fiber biosensor based on surface plasmon resonance: Design and analysis. <i>Sensing and Bio-Sensing Research</i> , 2018, 18, 7-12.	2.2	125
171	A Novel Approach for Spectroscopic Chemical Identification Using Photonic Crystal Fiber in the Terahertz Regime. <i>IEEE Sensors Journal</i> , 2018, 18, 575-582.	2.4	220
172	Plasmonic Refractive Index Sensor Employing Niobium Nanofilm on Photonic Crystal Fiber. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 315-318.	1.3	92
173	Rhombic core photonic crystal fiber for sensing applications: Modeling and analysis. <i>Optik</i> , 2018, 157, 1357-1365.	1.4	16
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