

Iraj Sadegh Amiri

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Performance Evaluation of Bidirectional Wavelength Division Multiple Access Broadband Optical Passive Elastic Networks Operation Efficiency. Journal of Optical Communications, 2024, 45, 87-93.	4.7	72
2	Distributed Feedback Laser (DFB) for Signal Power Amplitude Level Improvement in Long Spectral Band. Journal of Optical Communications, 2024, 44, s125-s130.	4.7	94
3	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.	4.7	83
4	A long-reach radio over free space optics (Ro-FSO) system using hybrid orthogonal frequency division multiplexing (OFDM)-multibeam concept with enhanced detection. Journal of Optical Communications, 2024, 44, s77-s83.	4.7	3
5	Four bits data sequence generators based ytterbium doped fiber amplifiers for upgrading maximum Q factor and minimum BER. Journal of Optical Communications, 2024, 44, s187-s195.	4.7	0
6	High Birefringence and Negative Dispersion Based Modified Decagonal Photonic Crystal Fibers: A Numerical Study. Journal of Optical Communications, 2024, 44, s1839-s1849.	4.7	6
7	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.	4.7	73
8	IoT-Based Health Monitoring System Using BeagleBone Black with Optical Sensor. Journal of Optical Communications, 2023, 44, 359-365.	4.7	6
9	Average Power Model of Optical Raman Amplifiers Based on Frequency Spacing and Amplifier Section Stage Optimization. Journal of Optical Communications, 2023, 44, 19-27.	4.7	84
10	High-Speed Light Sources in High-Speed Optical Passive Local Area Communication Networks. Journal of Optical Communications, 2023, 44, 61-67.	4.7	75
11	Spatial Continuous Wave Laser and Spatiotemporal VCSEL for High-Speed Long Haul Optical Wireless Communication Channels. Journal of Optical Communications, 2023, 44, 43-51.	4.7	83
12	Mathematical Model Analysis of Dispersion and Loss in Photonic Crystal Fibers. Journal of Optical Communications, 2023, 44, 139-144.	4.7	74
13	Effects of Order Super Gaussian Pulses on the Performance of High Data Rate Optical Fiber Channel in the Presence of Self Phase Modulation. Journal of Optical Communications, 2023, 44, 117-123.	4.7	62
14	Numerical Analysis of Soliton Propagation in a Tapered Waveguide. Journal of Optical Communications, 2023, 44, 535-538.	4.7	0
15	Different Photonic Crystal Fibers Configurations with the Key Solutions for the Optimization of Data Rates Transmission. Journal of Optical Communications, 2023, 44, 431-435.	4.7	69
16	Nonlinear Effects with Semiconductor Optical Amplifiers. Journal of Optical Communications, 2023, 44, 11-17.	4.7	74
17	Graphene Oxide Effect on Improvement of Silver Surface Plasmon Resonance D-Shaped Optical Fiber Sensor. Journal of Optical Communications, 2023, 44, 53-60.	4.7	29
18	Interaction between Optical Sources and Optical Modulators for High-Speed Optical Communication Networks. Journal of Optical Communications, 2022, 43, 625-632.	4.7	65

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19	High-Speed Transmission Circuits Signaling in Optical Communication Systems. Journal of Optical Communications, 2022, .	4.7	73
20	Basic Functions of Fiber Bragg Grating Effects on the Optical Fiber Systems Performance Efficiency. Journal of Optical Communications, 2022, 43, 633-639.	4.7	69
21	Polar Polarization Mode and Average Radical Flux Intensity Measurements Based on All Optical Spatial Communication Systems. Journal of Optical Communications, 2022, .	4.7	72
22	Designing chitosan nanoparticles embedded into graphene oxide as a drug delivery system. Polymer Bulletin, 2022, 79, 541-554.	3.3	18
23	The effects of Tx./Rx. pointing errors on the performance efficiency of local area optical wireless communication networks. Journal of Optical Communications, 2022, .	4.7	58
24	Novel Detection of Diesel Adulteration Using Silver-Coated Surface Plasmon Resonance Sensor. Plasmonics, 2022, 17, 467-478.	3.4	8
25	The Engagement of Hybrid Ultra High Space Division Multiplexing with Maximum Time Division Multiplexing Techniques for High-Speed Single-Mode Fiber Cable Systems. Journal of Optical Communications, 2022, 43, 219-223.	4.7	77
26	Identification of Molecular Biomarkers and Key Pathways for Esophageal Carcinoma (EsC): A Bioinformatics Approach. BioMed Research International, 2022, 2022, 1-14.	1.9	4
27	Identification of Potential Key Genes and Molecular Mechanisms of Medulloblastoma Based on Integrated Bioinformatics Approach. BioMed Research International, 2022, 2022, 1-17.	1.9	8
28	Single Wide Band Traveling Wave Semiconductor Optical Amplifiers for All Optical Bidirectional Wavelength Conversion. Journal of Optical Communications, 2021, .	4.7	71
29	The Physical Parameters of EDFA and SOA Optical Amplifiers and Bit Sequence Variations Based Optical Pulse Generators Impact on the Performance of Soliton Transmission Systems. Journal of Optical Communications, 2021, .	4.7	69
30	Comparative Simulation of Thermal Noise Effects for Photodetectors on Performance of Long-Haul DWDM Optical Networks. Journal of Optical Communications, 2021, .	4.7	69
31	Signal Processing Criteria Based on Electro-Optic Filters for Fiber Optic Access Transceiver Systems. Journal of Optical Communications, 2021, .	4.7	65
32	Comparative Simulation Study of Multi Stage Hybrid All Optical Fiber Amplifiers in Optical Communications. Journal of Optical Communications, 2021, .	4.7	73
33	Analytical Modeling of Short-Channel Fully-Depleted Triple Work Function Metal Gate (TWFMG) SOI MESFET. Silicon, 2021, 13, 747-755.	3.3	1
34	Microring Plasmonic Circuit Characteristics Using Space-Time Modulation Control. Plasmonics, 2021, 16, 533-539.	3.4	1
35	Temperature Sensing with Fibre Bragg Grating and No-Core Fibre. The National Academy of Sciences, India, 2021, 44, 405-407.	1.3	1
36	Ultra-High Capacity FSK Transmission Using Silicon Microring Embedded Gold Grating Circuits. Silicon, 2021, 13, 1295-1301.	3.3	1

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37	Hall effect sensors using polarized electron cloud spin orientation control. <i>Microscopy Research and Technique</i> , 2021, 84, 563-570.	2.2	0
38	Waveguides including negative permeability and simultaneously negative permittivity and permeability materials for sensing applications. <i>Optik</i> , 2021, 228, 166147.	2.9	1
39	High Ability of a Reliable Novel TFET-Based Device in Detection of Biomolecule Specifiesâ€™A Comprehensive Analysis on Sensing Performance. <i>IEEE Sensors Journal</i> , 2021, 21, 6880-6887.	4.7	23
40	Nitrile-calixarene grafted magnetic graphene oxide for removal of arsenic from aqueous media: Isotherm, kinetic and thermodynamic studies. <i>Chemosphere</i> , 2021, 268, 129348.	8.2	25
41	Numerical demonstration of triangular shaped photonic crystal fibreâ€™based biosensor in the Terahertz range. <i>IET Optoelectronics</i> , 2021, 15, 1-7.	3.3	18
42	Optimum light transmission via microring resonator under a lossyâ€™coupler critical coupling condition. <i>Microwave and Optical Technology Letters</i> , 2021, 63, 653-661.	1.4	6
43	Microring Plasmonic Transducer Circuits for Up-Downstream Communications. <i>Plasmonics</i> , 2021, 16, 123-129.	3.4	0
44	Universal dispersion curves of a planar waveguide with an exponential graded-index guiding layer and a nonlinear cladding. <i>Results in Physics</i> , 2021, 20, 103734.	4.1	29
45	Bandenna for RF energy harvesting and flexible electronics. <i>Microsystem Technologies</i> , 2021, 27, 1857-1861.	2.0	5
46	CBPR: A Cluster-Based Backpressure Routing for the Internet of Things. <i>Wireless Personal Communications</i> , 2021, 118, 3167-3185.	2.7	14
47	Identification of molecular biomarkers and pathways of NSCLC: insights from a systems biomedicine perspective. <i>Journal of Genetic Engineering and Biotechnology</i> , 2021, 19, 43.	3.3	8
48	Graphene Nanoribbon FET Compact Model on the Basis of ANN Configuration Applicable in Different Spice Levels. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 031008.	1.8	5
49	A review on energy management issues for future 5G and beyond network. <i>Wireless Networks</i> , 2021, 27, 2691-2718.	3.0	13
50	GaAs electro-optic absorption modulators performance evaluation, under high-temperature variations. <i>Journal of Optical Communications</i> , 2021, .	4.7	40
51	Routing constraints in the device-to-device communication for beyond IoT 5G networks: a review. <i>Wireless Networks</i> , 2021, 27, 3207-3231.	3.0	9
52	Surface plasmon resonance-based optical sensor using a thin layer of plasma. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 2362.	2.1	38
53	Anomalous birefringence and nonlinearity enhancement of $As_{2}S_{3}$ and $As_{2}S_{5}$ filled D-shape fiber for optical communication. <i>Physica Scripta</i> , 2021, 96, 115501.	2.5	7
54	Impact of auxiliary gate work function on boosting electrical performance of a gate-all-around field effect transistor with emphasis on the scaling behavior. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 156, 110134.	4.0	2

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55	Automated invasive cervical cancer disease detection at early stage through suitable machine learning model. SN Applied Sciences, 2021, 3, 1.	2.9	23
56	Heart disease prediction using supervised machine learning algorithms: Performance analysis and comparison. Computers in Biology and Medicine, 2021, 136, 104672.	7.0	141
57	Analytical Model Analysis of Reflection/Transmission Characteristics of Long-Period Fiber Bragg Grating (LPFBG) by Using Coupled Mode Theory. Journal of Optical Communications, 2021, .	4.7	84
58	Performance Enhancement of Fiber Optic and Optical Wireless Communication Channels by Using Forward Error Correction Codes. Journal of Optical Communications, 2021, .	4.7	70
59	Pump Laser Automatic Signal Control for Erbium-Doped Fiber Amplifier Gain, Noise Figure, and Output Spectral Power. Journal of Optical Communications, 2021, .	4.7	70
60	Conventional/Phase Shift Dual Drive Mach-Zehnder Modulation Measured Type Based Radio over Fiber Systems. Journal of Optical Communications, 2021, .	4.7	82
61	Fast speed switching response and high modulation signal processing bandwidth through LiNbO ₃ electro-optic modulators. Journal of Optical Communications, 2021, .	4.7	79
62	Machine learning-based statistical analysis for early stage detection of cervical cancer. Computers in Biology and Medicine, 2021, 139, 104985.	7.0	35
63	Influence of Loading, Regeneration and Recalling Elements Processes on the System Behavior of All Optical Data Bus Line System Random Access Memory. Journal of Optical Communications, 2020, .	4.7	74
64	Power Enhancement of the U-shape Cavity Microring Resonator Through Gap and Material Characterizations. Journal of Optical Communications, 2020, .	4.7	79
65	Technical Specifications of the Submarine Fiber Optic Channel Bandwidth/Capacity in Optical Fiber Transmission Systems. Journal of Optical Communications, 2020, .	4.7	72
66	A novel free space communication system using nonlinear InGaAsP microsystem resonators for enabling power-control toward smart cities. Wireless Networks, 2020, 26, 2317-2328.	3.0	30
67	The impact of the Marangoni convection and magnetic field versus blood-based carbon nanotube nanofluids. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 2020, 234, 37-46.	0.6	5
68	Fe ₃ O ₄ nanofluid injected photonic crystal fiber for magnetic field sensing applications. Journal of Magnetism and Magnetic Materials, 2020, 494, 165831.	2.3	27
69	Plasmonic Micro-Antenna Characteristics Using Gold Grating Embedded in a Panda-Ring Circuit. Plasmonics, 2020, 15, 279-285.	3.4	15
70	Time-critical energy minimization protocol using PQM (TCQM-PQM) for wireless body sensor network. Journal of Supercomputing, 2020, 76, 5862-5872.	3.6	16
71	Microring Distributed Sensors Using Space-Time Function Control. IEEE Sensors Journal, 2020, 20, 799-805.	4.7	11
72	A Fan-Beam Stacked Array X-Band Radar Antenna. The National Academy of Sciences, India, 2020, 43, 163-166.	1.3	6

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73	Correlation of human papillomavirus 16 and 18 with cervical cancer and their diagnosis methods in Iranian women: A systematic review and meta-analysis. <i>Current Problems in Cancer</i> , 2020, 44, 100493.	2.0	10
74	Physical layer impairment-aware shared path protection in wavelength-routed optical networks. <i>Journal of Supercomputing</i> , 2020, 76, 5694-5714.	3.6	4
75	Hibernation Model Based on Polariton Successive Filtering. <i>The National Academy of Sciences, India</i> , 2020, 43, 207-211.	1.3	3
76	DABPR: a large-scale internet of things-based data aggregation back pressure routing for disaster management. <i>Wireless Networks</i> , 2020, 26, 2353-2374.	3.0	24
77	Identifying Metal Nanoparticle Size Effect on Sensing Common Human Plasma Protein by Counting the Sensitivity of Optical Absorption Spectra Damping. <i>Plasmonics</i> , 2020, 15, 123-133.	3.4	17
78	Chip to chip communication through the photonic integrated circuit: A new paradigm to optical VLSI. <i>Optik</i> , 2020, 202, 163588.	2.9	9
79	MHD thin film flow of kerosene oil based CNTs nanofluid under the influence of Marangoni convection. <i>Physica Scripta</i> , 2020, 95, 015702.	2.5	15
80	Realization of white LED using plasmonic-based photonic structure through reflection, absorption and transmission analysis. <i>Optik</i> , 2020, 207, 163863.	2.9	2
81	THIN FILM FLOW OF CNTs NANOFLUID OVER A THIN NEEDLE SURFACE. <i>Surface Review and Letters</i> , 2020, 27, 1950189.	1.1	2
82	Proposal of an Embedded Nanogap Biosensor by a Graphene Nanoribbon Field-Effect Transistor for Biological Samples Detection. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900879.	1.8	10
83	Double Vision Model Using Space-Time Function Control within Silicon Microring System. <i>Silicon</i> , 2020, 12, 2635-2640.	3.3	3
84	Theoretical analysis of highly temperature-sensitive fem based optical sensor in the infrared range. <i>Optik</i> , 2020, 205, 164060.	2.9	7
85	A Silicon on Nothing LDMOS with Two Air Pillars in Gate Insulator for Power Applications. <i>Silicon</i> , 2020, 12, 2581-2586.	3.3	7
86	Electron Cloud Density Generated by Microring-Embedded Nano-grating System. <i>Plasmonics</i> , 2020, 15, 543-549.	3.4	2
87	A proposal for realization of MIR to NIR up-conversion process based on nano-optomechanical system. <i>Physica B: Condensed Matter</i> , 2020, 580, 411933.	2.7	2
88	Oblique projection: An interference mitigation for MIMO multihop full-duplex relay. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020, 31, e3799.	3.9	3
89	Realization of 3D memory for optical computer: A new paragon to future photonics. <i>Optik</i> , 2020, 203, 163914.	2.9	5
90	A Nanoscale-Modified band energy junctionless transistor with considerable progress on the electrical and frequency issue. <i>Materials Science in Semiconductor Processing</i> , 2020, 107, 104849.	4.0	34

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91	Optical communication transmission systems improvement based on chromatic and polarization Mode dispersion compensation simulation management. <i>Optik</i> , 2020, 207, 163853.	2.9	100
92	Design and FEM analysis of pentagonal photonic crystal fiber for highly non-linear applications. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	6
93	Electron Cloud Spectroscopy Using Micro-Ring Fabry-Pérot Sensor Embedded Gold Grating. <i>IEEE Sensors Journal</i> , 2020, 20, 10564-10571.	4.7	13
94	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.	2.1	3
95	Electrothermal analysis of novel N-P-P FinFET with electrically doped drain: a dual material gate device for reliable nanoscale applications. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	0
96	Profound analysis on sensing performance of Nanogap SiGe source DM-TFET biosensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 22699-22712.	2.2	22
97	Label-free detection of DNA by a dielectric modulated armchair-graphene nanoribbon FET based biosensor in a dual-nanogap setup. <i>Materials Science and Engineering C</i> , 2020, 117, 111293.	7.3	7
98	Proposal of a Highly Birefringent Bow-Tie Photonic Crystal Fiber for Nonlinear Applications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , 659-670.	0.3	3
99	Bidirectional Controlled Quantum Teleportation Using Eight-Qubit Quantum Channel in Noisy Environments. <i>International Journal of Theoretical Physics</i> , 2020, 59, 3156-3173.	1.2	10
100	The impact of feeder reconfiguration on automated distribution network with respect to resilience concept. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	7
101	Introducing New Conjugated Quantum Dots for Photothermal Therapy in Biological Applications. <i>Plasmonics</i> , 2020, 15, 1565-1575.	3.4	2
102	Carbon disulphide (CS ₂) enriched photonic crystal fiber for nonlinear application: a FEM scheme. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	6
103	Nonlinear studies of graphene oxide and its application to moisture detection in transformer oil using D-shaped optical fibre. <i>Journal of Modern Optics</i> , 2020, 67, 619-627.	1.3	3
104	High-Density Wavelength Multiplexing Model for THz-EMI Transmission. <i>Wireless Personal Communications</i> , 2020, 113, 1225-1239.	2.7	1
105	Thermo-electro-optic energy conversion using plasmonic island embedded silicon microring circuit. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 3407-3411.	1.4	0
106	Design of Magnetic Fluid Sensor Using Elliptically Hole Assisted Photonic Crystal Fiber (PCF). <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 2189-2198.	1.8	18
107	Optical fiber surrounded by a graphene layer as an optical sensor. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	8
108	EMBLR: A High-Performance Optimal Routing Approach for D2D Communications in Large-scale IoT 5G Network. <i>Symmetry</i> , 2020, 12, 438.	2.2	12

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109	Correction to "Microring Distributed Sensors Using Space-Time Function Control" [Jan 20 799-805]. IEEE Sensors Journal, 2020, 20, 3956-3956.	4.7	1
110	An optimal network coding based backpressure routing approach for massive IoT network. Wireless Networks, 2020, 26, 3657-3674.	3.0	32
111	Electron density transport using microring circuit for dual-mode power transmission. Optical and Quantum Electronics, 2020, 52, 1.	3.3	3
112	Design and performance evaluation of photonic crystal fibers of supporting orbital angular momentum states in optical transmission. Optics Communications, 2020, 467, 125731.	2.1	31
113	Improved Method of Direction Finding for Non Circular Signals with Wavelet Denoising Using Three Parallel Uniform Linear Arrays. Wireless Personal Communications, 2020, 115, 291-305.	2.7	4
114	Highly sensitive photonic crystal fiber salinity sensor based on Sagnac interferometer. Results in Physics, 2020, 16, 103022.	4.1	33
115	Terahertz band pass filter design using multilayer metamaterials. Optical and Quantum Electronics, 2020, 52, 1.	3.3	32
116	Malicious node detection using heterogeneous cluster based secure routing protocol (HCBS) in wireless adhoc sensor networks. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 4995-5001.	4.9	72
117	MCLMR: A Multicriteria Based Multipath Routing in the Mobile Ad Hoc Networks. Wireless Personal Communications, 2020, 112, 2461-2483.	2.7	35
118	The U/Th production ratio from extended independent model. European Physical Journal Plus, 2020, 135, 1.	2.6	0
119	Full-time slot teleportation using unified space-time function control. Microwave and Optical Technology Letters, 2020, 62, 2183-2188.	1.4	4
120	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.	2.9	17
121	Capacity and Frequency Optimization of Wireless Backhaul Network Using Traffic Forecasting. IEEE Access, 2020, 8, 23264-23276.	4.2	20
122	Investigation of U-shaped microfiber temperature sensor using a combination of thermal expansion of a metal and reflectivity of a silver coated mirror. Optik, 2020, 205, 164256.	2.9	3
123	Computational analysis of regulatory genes network pathways among devastating cancer diseases. Journal of Proteins and Proteomics, 2020, 11, 63-76.	1.5	1
124	On Platform to Enable the Cognitive Radio Over 5G Networks. Wireless Personal Communications, 2020, 113, 1241-1262.	2.7	29
125	Spin-wave generation using MZI embedded plasmonic antennas for quantum communications. Optical and Quantum Electronics, 2020, 52, 1.	3.3	8
126	Numerical Study of Circularly Slotted Highly Sensitive Plasmonic Biosensor: A Novel Approach. Results in Physics, 2020, 17, 103130.	4.1	41

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127	Nanoantenna with electrically tunable radiation pattern. Optical and Quantum Electronics, 2020, 52, 1.	3.3	0
128	Realizing unique bifurcation model in a cascaded microring feedback circuit. Optical and Quantum Electronics, 2020, 52, 1.	3.3	3
129	High-density quantum bits generation using microring plasmonic antenna. Optical and Quantum Electronics, 2020, 52, 1.	3.3	5
130	Phase-sensitive inverse four-wave mixing in optical fibres. Journal of Modern Optics, 2020, 67, 569-576.	1.3	4
131	Single Gate Graphene Nanoribbon-on-Insulator (GNROI) FET as a Novel Strategy to Enhance Electrical Performance-Numerically RF and DC Characteristics Extraction. ECS Journal of Solid State Science and Technology, 2020, 9, 061025.	1.8	2
132	Secured Identity Based Cryptosystem Approach for Intelligent Routing Protocol in VANET. Scalable Computing, 2020, 21, 41-46.	1.0	2
133	Optical Networks Performance Optimization Based on Hybrid Configurations of Optical Fiber Amplifiers and Optical Receivers. Journal of Optical Communications, 2020, .	4.7	70
134	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, .	4.7	76
135	Analysis of topological properties and drug discovery for bipolar disorder and associated diseases: A bioinformatics approach. Cellular and Molecular Biology, 2020, 66, 152-160.	0.9	0
136	LiFi up-downlink conversion node model generated by inline successive optical pumping. Microsystem Technologies, 2019, 25, 945-950.	2.0	9
137	Enhanced sensitivity of cancer cell using one dimensional nano composite material coated photonic crystal. Microsystem Technologies, 2019, 25, 189-196.	2.0	104
138	Ultrafast all-optical ALU operation using a soliton control within the cascaded InGaAsP/InP microring circuits. Microsystem Technologies, 2019, 25, 431-440.	2.0	8
139	Silicon microring resonator waveguide-based graphene photodetector. Microsystem Technologies, 2019, 25, 319-328.	2.0	9
140	Dual-wavelength transmission system using double micro-resonator system for EMI healthcare applications. Microsystem Technologies, 2019, 25, 1185-1193.	2.0	4
141	Enabling remote-control for the power sub-stations over LTE-A networks. Telecommunication Systems, 2019, 70, 37-53.	2.5	18
142	Double critical coupled ring resonator-based add-drop filters. Journal of Theoretical and Applied Physics, 2019, 13, 213-220.	1.4	17
143	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.	2.0	10
144	Investigation of Surface Plasmon Resonance (SPR) in MoS ₂ - and WS ₂ -Protected Titanium Side-Polished Optical Fiber as a Humidity Sensor. Micromachines, 2019, 10, 465.	2.9	26

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145	Realisation of all photonic logic gates using plasmonic-based photonic structure through bandgap analysis. <i>Optik</i> , 2019, 194, 163123.	2.9	7
146	Low insertion loss and high extinction ratio analysis of a new surface plasmon resonance based photonic crystal fiber filter. <i>Optik</i> , 2019, 194, 163069.	2.9	12
147	Manipulating visible signal with plasmonic-based optical transistor: A new application to amplification. <i>Optik</i> , 2019, 193, 163009.	2.9	2
148	Switchable erbium-doped fiber laser (EDFL) using non-adiabatic microfiber. <i>Optical Fiber Technology</i> , 2019, 52, 101967.	2.7	7
149	Controlling of optical fiber bending losses through α - ω parameter and machine learning direction at three communication windows. <i>Optik</i> , 2019, 194, 163054.	2.9	8
150	Graphene oxide-based optical waveguide for moisture sensing in transformer oil. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2019, 36, 100727.	2.0	5
151	Computation of PUG concentration in human blood using the combination of photonics and machine learning. <i>Optik</i> , 2019, 192, 162968.	2.9	6
152	Surface Plasmon Resonance Based Titanium Coated Biosensor for Cancer Cell Detection. <i>IEEE Photonics Journal</i> , 2019, 11, 1-10.	2.0	168
153	Brain sensor and communication model using plasmonic microring antenna network. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	3.3	7
154	Popularity Prediction of Online News Item Based on Social Media Response. , 2019, , .		1
155	Generation of α - ω type of biomedical laser using a single photonic structure: A new paradigm to operation in medical science. <i>Optik</i> , 2019, 197, 163227.	2.9	1
156	Direct Localization of Multiple Noncircular Sources With a Moving Nested Array. <i>IEEE Access</i> , 2019, 7, 101106-101116.	4.2	9
157	High performance dual core D-shape PCF-SPR sensor modeling employing gold coat. <i>Results in Physics</i> , 2019, 15, 102788.	4.1	102
158	Radiation pattern direction control in nano-antenna (tunable nano-antenna). <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	3.3	7
159	Graphene oxide coated side polished surface plasmon resonance optical fibre sensor with varying polishing losses. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	3.3	1
160	Realization of antireflection elements using glass-based photonic crystal structures. <i>Optik</i> , 2019, 199, 163386.	2.9	1
161	Thermal Performance of the Graphene Oxide Nanofluids Flow in an Upright Channel Through a Permeable Medium. <i>IEEE Access</i> , 2019, 7, 102345-102355.	4.2	18
162	Phonon Polariton Dispersion in Metal-Doped Nanocomposite Superlattice System. <i>Journal of Optical Communications</i> , 2019, .	4.7	0

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163	A Nano junctionless Double-Gate MOSFET by Using the Charge Plasma Concept to Improve Short-Channel Effects and Frequency Characteristics. Journal of Electronic Materials, 2019, 48, 7487-7494.	2.2	18
164	Interference cancelation for high-density fifth-generation relaying network using stochastic geometrical approach. International Journal of Distributed Sensor Networks, 2019, 15, 155014771985587.	2.2	24
165	The effect of using different materials on erbium-doped fiber amplifiers for indoor applications. Results in Physics, 2019, 15, 102650.	4.1	89
166	Solution-processed QD-LEDs in visible range: Modulation bandwidth enhancement. Physica B: Condensed Matter, 2019, 574, 411667.	2.7	8
167	Extremely low loss optical waveguide for terahertz pulse guidance. Results in Physics, 2019, 15, 102666.	4.1	11
168	Refractive Index-Based Blood Components Sensing in Terahertz Spectrum. IEEE Sensors Journal, 2019, 19, 3368-3375.	4.7	131
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