

Iraj Sadegh Amiri

List of Publications by Year in descending order

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451
papers

9,154
citations

44069

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91884

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468
all docs

468
docs citations

468
times ranked

3197
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Plasmon Resonance Based Titanium Coated Biosensor for Cancer Cell Detection. IEEE Photonics Journal, 2019, 11, 1-10.	2.0	168
2	Design of D-shaped elliptical core photonic crystal fiber for blood plasma cell sensing application. Results in Physics, 2019, 12, 2021-2025.	4.1	141
3	Heart disease prediction using supervised machine learning algorithms: Performance analysis and comparison. Computers in Biology and Medicine, 2021, 136, 104672.	7.0	141
4	Refractive Index-Based Blood Components Sensing in Terahertz Spectrum. IEEE Sensors Journal, 2019, 19, 3368-3375.	4.7	131
5	Gold-coated photonic crystal fiber biosensor based on surface plasmon resonance: Design and analysis. Sensing and Bio-Sensing Research, 2018, 18, 7-12.	4.2	125
6	Towards 5G: A Photonic Based Millimeter Wave Signal Generation for Applying in 5G Access Fronthaul. Scientific Reports, 2016, 6, 19891.	3.3	108
7	Enhanced sensitivity of cancer cell using one dimensional nano composite material coated photonic crystal. Microsystem Technologies, 2019, 25, 189-196.	2.0	104
8	High performance dual core D-shape PCF-SPR sensor modeling employing gold coat. Results in Physics, 2019, 15, 102788.	4.1	102
9	Temperature effects on characteristics and performance of near-infrared wide bandwidth for different avalanche photodiodes structures. Results in Physics, 2019, 14, 102399.	4.1	101
10	Optical communication transmission systems improvement based on chromatic and polarization Mode dispersion compensation simulation management. Optik, 2020, 207, 163853.	2.9	100
11	Tri-core photonic crystal fiber based refractive index dual sensor for salinity and temperature detection. Microwave and Optical Technology Letters, 2019, 61, 847-852.	1.4	96
12	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
13	Review of optical fibers-introduction and applications in fiber lasers. Results in Physics, 2018, 10, 743-750.	4.1	93
14	The switching of optoelectronics to full optical computing operations based on nonlinear metamaterials. Results in Physics, 2019, 13, 102152.	4.1	93
15	The effect of using different materials on erbium-doped fiber amplifiers for indoor applications. Results in Physics, 2019, 15, 102650.	4.1	89
16	Folded cladding porous shaped photonic crystal fiber with high sensitivity in optical sensing applications: Design and analysis. Sensing and Bio-Sensing Research, 2017, 12, 36-42.	4.2	88
17	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
18	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

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19	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
20	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
21	Conventional/Phase Shift Dual Drive Mach-Zehnder Modulation Measured Type Based Radio over Fiber Systems. Journal of Optical Communications, 2021, .	4.7	82
22	Power Enhancement of the U-shape Cavity Microring Resonator Through Gap and Material Characterizations. Journal of Optical Communications, 2020, .	4.7	79
23	Fast speed switching response and high modulation signal processing bandwidth through LiNbO ₃ electro-optic modulators. Journal of Optical Communications, 2021, .	4.7	79
24	Ultra high transmission capacity based on optical first order soliton propagation systems. Results in Physics, 2019, 12, 512-513.	4.1	77
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	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
27	Quasi-Photonic Crystal Fiber-Based Spectroscopic Chemical Sensor in the Terahertz Spectrum: Design and Analysis. IEEE Sensors Journal, 2018, 18, 9948-9954.	4.7	75
28	High-Speed Light Sources in High-Speed Optical Passive Local Area Communication Networks. Journal of Optical Communications, 2023, 44, 61-67.	4.7	75
29	Mathematical Model Analysis of Dispersion and Loss in Photonic Crystal Fibers. Journal of Optical Communications, 2023, 44, 139-144.	4.7	74
30	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
31	Nonlinear Effects with Semiconductor Optical Amplifiers. Journal of Optical Communications, 2023, 44, 11-17.	4.7	74
32	A Stable Dual-wavelength Thulium-doped Fiber Laser at 1.9 μ m Using Photonic Crystal Fiber. Scientific Reports, 2015, 5, 14537.	3.3	73
33	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
34	High-Speed Transmission Circuits Signaling in Optical Communication Systems. Journal of Optical Communications, 2022, .	4.7	73
35	Comparative Simulation Study of Multi Stage Hybrid All Optical Fiber Amplifiers in Optical Communications. Journal of Optical Communications, 2021, .	4.7	73
36	Technical Specifications of the Submarine Fiber Optic Channel Bandwidth/Capacity in Optical Fiber Transmission Systems. Journal of Optical Communications, 2020, .	4.7	72

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37	Polar Polarization Mode and Average Radical Flux Intensity Measurements Based on All Optical Spatial Communication Systems. Journal of Optical Communications, 2022, .	4.7	72
38	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
39	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
40	Single Wide Band Traveling Wave Semiconductor Optical Amplifiers for All Optical Bidirectional Wavelength Conversion. Journal of Optical Communications, 2021, .	4.7	71
41	Optical Networks Performance Optimization Based on Hybrid Configurations of Optical Fiber Amplifiers and Optical Receivers. Journal of Optical Communications, 2020, .	4.7	70
42	Performance Enhancement of Fiber Optic and Optical Wireless Communication Channels by Using Forward Error Correction Codes. Journal of Optical Communications, 2021, .	4.7	70
43	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
44	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
45	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
46	Comparative Simulation of Thermal Noise Effects for Photodetectors on Performance of Long-Haul DWDM Optical Networks. Journal of Optical Communications, 2021, .	4.7	69
47	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
48	Interference management issues for the future 5G network: a review. Telecommunication Systems, 2019, 71, 627-643.	2.5	67
49	Interaction between Optical Sources and Optical Modulators for High-Speed Optical Communication Networks. Journal of Optical Communications, 2022, 43, 625-632.	4.7	65
50	Signal Processing Criteria Based on Electro-Optic Filters for Fiber Optic Access Transceiver Systems. Journal of Optical Communications, 2021, .	4.7	65
51	Design of one dimensional refractive index sensor using ternary photonic crystal waveguide for plasma blood samples applications. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 111, 29-36.	2.7	63
52	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
53	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
54	Introduction to Photonics: Principles and the Most Recent Applications of Microstructures. Micromachines, 2018, 9, 452.	2.9	54

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55	Tetra-core surface plasmon resonance based biosensor for alcohol sensing. <i>Physica B: Condensed Matter</i> , 2019, 570, 48-52.	2.7	50
56	Micro-Current Source Generated by a WGM of Light Within a Stacked Silicon-Graphene-Au Waveguide. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1768-1771.	2.5	49
57	Design and analysis of slotted core photonic crystal fiber for gas sensing application. <i>Results in Physics</i> , 2018, 11, 643-650.	4.1	49
58	ENHANCEMENT OF FSR AND FINESSE USING ADD/DROP FILTER AND PANDA RING RESONATOR SYSTEMS. <i>International Journal of Modern Physics B</i> , 2012, 26, 1250034.	2.0	48
59	W-Band OFDM Transmission for Radio-Over-Fiber Link Using Solitonic Millimeter Wave Generated by MRR. <i>IEEE Journal of Quantum Electronics</i> , 2014, 50, 622-628.	1.9	47
60	Simulation and Analysis of Multisoliton Generation Using a PANDA Ring Resonator System. <i>Chinese Physics Letters</i> , 2011, 28, 104205.	3.3	46
61	Investigation of Future 5G-IoT Millimeter-Wave Network Performance at 38 GHz for Urban Microcell Outdoor Environment. <i>Electronics (Switzerland)</i> , 2019, 8, 495.	3.1	44
62	IEEE 802.15.3c WPAN Standard Using Millimeter Optical Soliton Pulse Generated by a Panda Ring Resonator. <i>IEEE Photonics Journal</i> , 2013, 5, 7901912-7901912.	2.0	43
63	Dual-Wavelength Erbium-Doped Fiber Laser to Generate Terahertz Radiation Using Photonic Crystal Fiber. <i>Journal of Lightwave Technology</i> , 2015, 33, 5038-5046.	4.6	41
64	Early detection of cervical cancer based on high-risk HPV DNA-based genosensors: A systematic review. <i>BioFactors</i> , 2019, 45, 101-117.	5.4	41
65	Numerical Study of Circularly Slotted Highly Sensitive Plasmonic Biosensor: A Novel Approach. <i>Results in Physics</i> , 2020, 17, 103130.	4.1	41
66	GaAs electro-optic absorption modulators performance evaluation, under high-temperature variations. <i>Journal of Optical Communications</i> , 2021, .	4.7	40
67	Variable Waist-Diameter Mach-Zehnder Tapered-Fiber Interferometer as Humidity and Temperature Sensor. <i>IEEE Sensors Journal</i> , 2016, 16, 5987-5992.	4.7	39
68	A Novel Hexahedron Photonic Crystal Fiber in Terahertz Propagation: Design and Analysis. <i>Photonics</i> , 2019, 6, 32.	2.0	39
69	Characterisation of bifurcation and chaos in silicon microring resonator. <i>IET Communications</i> , 2012, 6, 2671-2675.	2.2	38
70	Increment of Access Points in Integrated System of Wavelength Division Multiplexed Passive Optical Network Radio over Fiber. <i>Scientific Reports</i> , 2015, 5, 11897.	3.3	38
71	Mobility, Residual Energy, and Link Quality Aware Multipath Routing in MANETs with Q-learning Algorithm. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1582.	2.5	38
72	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

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73	Nanoscale GaP strips based photonic crystal fiber with high nonlinearity and high numerical aperture for laser applications. Results in Physics, 2018, 10, 374-378.	4.1	36
74	Effect of photonic crystal fiber background materials in sensing and communication applications. Materials Discovery, 2017, 7, 8-14.	3.3	35
75	MCLMR: A Multicriteria Based Multipath Routing in the Mobile Ad Hoc Networks. Wireless Personal Communications, 2020, 112, 2461-2483.	2.7	35
76	Machine learning-based statistical analysis for early stage detection of cervical cancer. Computers in Biology and Medicine, 2021, 139, 104985.	7.0	35
77	All-Optical Generation of Two IEEE802.11n Signals for 2 \times 2 MIMO-RoF via MRR System. IEEE Photonics Journal, 2014, 6, 1-11.	2.0	34
78	Chalcogenide embedded quasi photonic crystal fiber for nonlinear optical applications. Ceramics International, 2018, 44, 18955-18959.	4.8	34
79	A Nanoscale-Modified band energy junctionless transistor with considerable progress on the electrical and frequency issue. Materials Science in Semiconductor Processing, 2020, 107, 104849.	4.0	34
80	All-Optical OFDM Generation for IEEE802.11a Based on Soliton Carriers Using Microring Resonators. IEEE Photonics Journal, 2014, 6, 1-9.	2.0	33
81	Highly sensitive photonic crystal fiber salinity sensor based on Sagnac interferometer. Results in Physics, 2020, 16, 103022.	4.1	33
82	Dark Soliton Array for Communication Security. Procedia Engineering, 2011, 8, 417-422.	1.2	32
83	Detection of moisture content in transformer oil using platinum coated on D-shaped optical fiber. Optical Fiber Technology, 2018, 45, 115-121.	2.7	32
84	Application of graphene oxide based Microfiber-Knot resonator for relative humidity sensing. Results in Physics, 2018, 9, 1572-1577.	4.1	32
85	An optimal network coding based backpressure routing approach for massive IoT network. Wireless Networks, 2020, 26, 3657-3674.	3.0	32
86	Terahertz band pass filter design using multilayer metamaterials. Optical and Quantum Electronics, 2020, 52, 1.	3.3	32
87	Generation of DSA for Security Application. Procedia Engineering, 2011, 8, 360-365.	1.2	31
88	Optical quantum transmitter with finesse of 30 at 800-nm central wavelength using microring resonators. Optical and Quantum Electronics, 2013, 45, 1095-1105.	3.3	31
89	Optical Quantum Generation and Transmission of 57-61 GHz Frequency Band Using an Optical Fiber Optics. Journal of Computational and Theoretical Nanoscience, 2014, 11, 2130-2135.	0.4	31
90	Generation and transmission of 3 \times 3 w-band multi-input multi-output orthogonal frequency division multiplexing-radio-over-fiber signals using micro-ring resonators. Applied Optics, 2014, 53, 8049.	2.1	31

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91	Review and Theory of Optical Soliton Generation Used to Improve the Security and High Capacity of MRR and NRR Passive Systems. Journal of Computational and Theoretical Nanoscience, 2014, 11, 1875-1886.	0.4	31
92	All optical ultra-wideband signal generation and transmission using mode-locked laser incorporated with add-drop microring resonator. Laser Physics Letters, 2015, 12, 065105.	1.4	31
93	Design of structural gigahertz multichanneled filter by using generalized Fibonacci superconducting photonic quasicrystals. Results in Physics, 2019, 13, 102343.	4.1	31
94	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
95	ASK-to-PSK Generation based on Nonlinear Microring Resonators Coupled to One MZI Arm. Procedia Engineering, 2011, 8, 432-435.	1.2	30
96	GHz frequency band soliton generation using integrated ring resonator for WiMAX optical communication. Optical and Quantum Electronics, 2014, 46, 1165-1177.	3.3	30
97	Transmission of data with orthogonal frequency division multiplexing technique for communication networks using GHz frequency band soliton carrier. IET Communications, 2014, 8, 1364-1373.	2.2	30
98	High-capacity soliton transmission for indoor and outdoor communications using integrated ring resonators. International Journal of Communication Systems, 2015, 28, 147-160.	2.5	30
99	A Stochastically Geometrical Poisson Point Process Approach for the Future 5G D2D Enabled Cooperative Cellular Network. IEEE Access, 2019, 7, 60465-60485.	4.2	30
100	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
101	Structural, optical and electrical evolution of Al and Ga co-doped ZnO/SiO ₂ /glass thin film: role of laser power density. RSC Advances, 2017, 7, 35858-35868.	3.6	29
102	On Platform to Enable the Cognitive Radio Over 5G Networks. Wireless Personal Communications, 2020, 113, 1241-1262.	2.7	29
103	Universal dispersion curves of a planar waveguide with an exponential graded-index guiding layer and a nonlinear cladding. Results in Physics, 2021, 20, 103734.	4.1	29
104	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
105	Generating Highly Dark "Bright Solitons by Gaussian Beam Propagation in a PANDA Ring Resonator. Journal of Computational and Theoretical Nanoscience, 2014, 11, 1092-1099.	0.4	28
106	Tunable S-Band Q-Switched Fiber Laser Using Bi ₂ Se ₃ as the Saturable Absorber. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	28
107	Multi wavelength mode-lock soliton generation using fiber laser loop coupled to an add-drop ring resonator. Optical and Quantum Electronics, 2015, 47, 2455-2464.	3.3	28
108	LTE physical layer: Performance analysis and evaluation. Applied Computing and Informatics, 2019, 15, 34-44.	5.9	27

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109	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
110	Multi Soliton Generation for Enhance Optical Communication. Applied Mechanics and Materials, 0, 83, 136-140.	0.2	26
111	Generation of potential wells used for quantum codes transmission via a TDMA network communication system. Security and Communication Networks, 2013, 6, 1301-1309.	1.5	26
112	Modified genetic algorithm based power allocation scheme for amplify-and-forward cooperative relay network. Computers and Electrical Engineering, 2018, 69, 628-641.	4.8	26
113	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
114	Nitrile-calixarene grafted magnetic graphene oxide for removal of arsenic from aqueous media: Isotherm, kinetic and thermodynamic studies. Chemosphere, 2021, 268, 129348.	8.2	25
115	Generation and wired/wireless transmission of IEEE802.16m signal using solitons generated by microring resonator. Optical and Quantum Electronics, 2015, 47, 975-984.	3.3	24
116	A stochastic geometrical approach for full-duplex MIMO relaying model of high-density network. Ad Hoc Networks, 2018, 74, 34-46.	5.5	24
117	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
118	DABPR: a large-scale internet of things-based data aggregation back pressure routing for disaster management. Wireless Networks, 2020, 26, 2353-2374.	3.0	24
119	W-Band OFDM for Radio-over-Fiber Direct-Detection Link Enabled by Frequency Nonupling Optical Up-Conversion. IEEE Photonics Journal, 2014, 6, 1-7.	2.0	23
120	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.	2.7	23
121	High Ability of a Reliable Novel TFET-Based Device in Detection of Biomolecule Specified A Comprehensive Analysis on Sensing Performance. IEEE Sensors Journal, 2021, 21, 6880-6887.	4.7	23
122	Automated invasive cervical cancer disease detection at early stage through suitable machine learning model. SN Applied Sciences, 2021, 3, 1.	2.9	23
123	Ultra-Short of Pico and Femtosecond Soliton Laser Pulse Using Microring Resonator for Cancer Cells Treatment. Quantum Matter, 2012, 1, 159-165.	0.2	23
124	Profound analysis on sensing performance of Nanogap SiGe source DM-TFET biosensor. Journal of Materials Science: Materials in Electronics, 2020, 31, 22699-22712.	2.2	22
125	Coherent light squeezing states within a modified microring system. Results in Physics, 2018, 9, 211-214.	4.1	21
126	ASK-to-PSK Generation based on Nonlinear Microring Resonators Coupled to One MZI Arm. , 2011, , .		20

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127	Novel D-shaped fiber fabrication method for saturable absorber application in the generation of ultra-short pulses. <i>Laser Physics Letters</i> , 2017, 14, 085001.	1.4	20
128	Microring stereo sensor model using Kerr's Vernier effect for bio-cell sensor and communication. <i>Nano Communication Networks</i> , 2018, 17, 30-35.	2.9	20
129	A modified backward and forward sweep method for microgrid load flow analysis under different electric vehicle load mathematical models. <i>Electric Power Systems Research</i> , 2019, 168, 46-54.	3.6	20
130	Capacity and Frequency Optimization of Wireless Backhaul Network Using Traffic Forecasting. <i>IEEE Access</i> , 2020, 8, 23264-23276.	4.2	20
131	Nano Particle Trapping by Ultra-Short Tweezer and Wells Using Microring Resonator Interferometer System for Spectroscopy Application. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 850-856.	0.4	19
132	Optical Stretcher of Biological Cells Using Sub-Nanometer Optical Tweezers Generated by an Add/Drop Microring Resonator System. <i>Nanoscience and Nanotechnology Letters</i> , 2014, 6, 111-117.	0.4	19
133	Picosecond Soliton Pulse Generation Using a PANDA System for Solar Cells Fabrication. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 693-701.	0.4	19
134	Effect of organic ligand-decorated ZnO nanoparticles as a cathode buffer layer on electricity conversion efficiency of an inverted solar cell. <i>RSC Advances</i> , 2018, 8, 1418-1426.	3.6	19
135	A comparison of analytical methods for measuring concentrations of 25-hydroxy vitamin D in biological samples. <i>Analytical Methods</i> , 2018, 10, 5599-5612.	2.7	18
136	Enabling remote-control for the power sub-stations over LTE-A networks. <i>Telecommunication Systems</i> , 2019, 70, 37-53.	2.5	18
137	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
138	A Nano junctionless Double-Gate MOSFET by Using the Charge Plasma Concept to Improve Short-Channel Effects and Frequency Characteristics. <i>Journal of Electronic Materials</i> , 2019, 48, 7487-7494.	2.2	18
139	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
140	Numerical demonstration of triangular shaped photonic crystal fibre-based biosensor in the Terahertz range. <i>IET Optoelectronics</i> , 2021, 15, 1-7.	3.3	18
141	Designing chitosan nanoparticles embedded into graphene oxide as a drug delivery system. <i>Polymer Bulletin</i> , 2022, 79, 541-554.	3.3	18
142	New Communication Bands Generated by Using a Soliton Pulse within a Resonator System. <i>Circuits and Systems</i> , 2010, 01, 71-75.	0.1	18
143	Multi optical Soliton generated by PANDA ring resonator for secure network communication. , 2012, , .		17
144	Femtosecond Optical Quantum Memory Generation Using Optical Bright Soliton. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 1480-1485.	0.4	17

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145	Nanometer Bandwidth Soliton Generation and Experimental Transmission Within Nonlinear Fiber Optics Using an Add-Drop Filter System. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 221-225.	0.4	17
146	Molybdenum disulfide side-polished fiber saturable absorber Q-switched fiber laser. <i>Optics Communications</i> , 2017, 400, 55-60.	2.1	17
147	Polarization dependence of SU-8 micro ring resonator. <i>Results in Physics</i> , 2018, 11, 515-522.	4.1	17
148	Double critical coupled ring resonator-based add-drop filters. <i>Journal of Theoretical and Applied Physics</i> , 2019, 13, 213-220.	1.4	17
149	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
150	Sensitivity Comparison of Refractive Index Transducer Optical Fiber Based on Surface Plasmon Resonance Using Ag, Cu, and Bimetallic Ag-Cu Layer. <i>Micromachines</i> , 2020, 11, 77.	2.9	17
151	Molecular Transporter System For Qubits Generation. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 0, , .	0.4	17
152	Single and Multi Optical Soliton Light Trapping and Switching Using Microring Resonator. <i>Quantum Matter</i> , 2013, 2, 116-121.	0.2	17
153	Experimental Measurement of Fiber-Wireless Transmission via Multimode-Locked Solitons From a Ring Laser EDF Cavity. <i>IEEE Photonics Journal</i> , 2015, 7, 1-9.	2.0	16
154	Electron driven mobility model by light on the stacked metal-dielectric interfaces. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 1704-1709.	1.4	16
155	High sensitive temperature sensor silicon-based microring resonator using the broadband input spectrum. <i>Results in Physics</i> , 2018, 9, 1578-1584.	4.1	16
156	Heptagonal Photonic Crystal Fiber Based Chemical Sensor in THz Regime. , 2019, , .		16
157	Time-critical energy minimization protocol using PQM (TCEM-PQM) for wireless body sensor network. <i>Journal of Supercomputing</i> , 2020, 76, 5862-5872.	3.6	16
158	Optical Buffer Application Used for Tissue Surgery Using Direct Interaction of Nano Optical Tweezers with Nano Cells. <i>Quantum Matter</i> , 2013, 2, 484-488.	0.2	16
159	FEM based highly sensitive dual core temperature sensor: design and analysis. <i>OSA Continuum</i> , 2019, 2, 2581.	1.8	16
160	Generation of discrete frequency and wavelength for secured computer networks system using integrated ring resonators. , 2012, , .		15
161	MRR quantum dense coding for optical wireless communication system using decimal convertor. , 2012, , .		15
162	Generation Of Quantum Codes Using Up And Down Link Optical Soliton. <i>Jurnal Teknologi (Sciences) Tj ETQq0 0 0</i> <small>rgBT /Overlock 10 Tf</small>		15

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163	Numerical computation of solitonic pulse generation for terabit/sec data transmission. <i>Optical and Quantum Electronics</i> , 2015, 47, 1765-1777.	3.3	15
164	Carriers Generated by Mode-Locked Laser to Increase Serviceable Channels in Radio Over Free Space Optical Systems. <i>IEEE Photonics Journal</i> , 2015, 7, 1-12.	2.0	15
165	Single-mode spiral shape fiber based liquid sensor with ultra-high sensitivity and ultra-low loss: Design and analysis. <i>Karbala International Journal of Modern Science</i> , 2017, 3, 131-142.	1.0	15
166	Plasmonic Micro-Antenna Characteristics Using Gold Grating Embedded in a Panda-Ring Circuit. <i>Plasmonics</i> , 2020, 15, 279-285.	3.4	15
167	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
168	Network system engineering by controlling the chaotic signals using silicon micro ring resonator. , 2012, , .		14
169	Determination Of Fwhm For Soliton Trapping. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2012, , .	0.4	14
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171	Dual wavelength optical duobinary modulation using GaAs ² AlGaAs microring resonator. <i>Results in Physics</i> , 2018, 11, 1087-1093.	4.1	14
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