

# Isiaka Alimi

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

600  
citations

933447

10  
h-index

677142

22  
g-index

43  
all docs

43  
docs citations

43  
times ranked

557  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Self-Coherent Optical Transceivers: Fundamental Issues, Recent Advances, and Research Directions. Applied Sciences (Switzerland), 2021, 11, 7554.	2.5	11
2	Towards a Sustainable Green Design for Next-Generation Networks. Wireless Personal Communications, 2021, 121, 1123-1138.	2.7	3
3	6G CloudNet: Towards a Distributed, Autonomous, and Federated AI-Enabled Cloud and Edge Computing. Computer Communications and Networks, 2021, , 251-283.	0.8	3
4	Virtual Carrier Assisted Self-Coherent Detection Employing DC-Value Method. , 2021, , .		4
5	Towards Enhanced Mobile Broadband Communications: A Tutorial on Enabling Technologies, Design Considerations, and Prospects of 5G and beyond Fixed Wireless Access Networks. Applied Sciences (Switzerland), 2021, 11, 10427.	2.5	17
6	Impact of the carrier contribution factor in the self-coherent DC-value method. Optics Express, 2021, 29, 41234.	3.4	2
7	Simple and robust transmit diversity based free-space optical communications for 5G and beyond networks. Optics Communications, 2020, 476, 126306.	2.1	6
8	Performance Analysis of 5G Fixed Wireless Access Networks with Antenna Diversity Techniques. Wireless Personal Communications, 2020, 113, 1541-1565.	2.7	5
9	Optical Signal Phase Retrieval With Low Complexity DC-Value Method. Journal of Lightwave Technology, 2020, 38, 4205-4212.	4.6	15
10	Functional Split Perspectives: A Disruptive Approach to RAN Performance Improvement. Wireless Personal Communications, 2019, 106, 205-218.	2.7	4
11	Effects of Correlated Multivariate FSO Channel on Outage Performance of Space-Air-Ground Integrated Network (SAGIN). Wireless Personal Communications, 2019, 106, 7-25.	2.7	12
12	Self-coherent optical detection for access and metro networks. , 2019, , .		5
13	Bidirectional SMF and PF-POF transmission of 400 Gbps Nyquist shaped on DP-QPSK systems. Microwave and Optical Technology Letters, 2019, 61, 256-260.	1.4	1
14	Fast Statistical Modelling of Temperature Variation on 28nm FDSOI Technology. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 289-298.	0.3	0
15	Toward an Efficient C-RAN Optical Fronthaul for the Future Networks: A Tutorial on Technologies, Requirements, Challenges, and Solutions. IEEE Communications Surveys and Tutorials, 2018, 20, 708-769.	39.4	269
16	Real-time dual-polarization transmission based on hybrid optical wireless communications. Optical Fiber Technology, 2018, 40, 114-117.	2.7	17
17	Performance Analysis of Space-Air-Ground Integrated Network (SAGIN) Over an Arbitrarily Correlated Multivariate FSO Channel. Wireless Personal Communications, 2018, 100, 47-66.	2.7	14
18	Flexible Infrastructure for the Development and Integration of Access/Fronthauling Solutions in Future Wireless Systems. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	Channel characterization and empirical model for ergodic capacity of free-space optical communication link. <i>Optics Communications</i> , 2017, 390, 123-129.	2.1	22
20	Spatial Interpolated Lookup Tables (LUTs) Models for Ergodic Capacity of MIMO FSO Systems. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 583-586.	2.5	18
21	Analysis of multiuser mixed RF/FSO relay networks for performance improvements in Cloud Computing-Based Radio Access Networks (CC-RANs). <i>Optics Communications</i> , 2017, 402, 653-661.	2.1	27
22	Outage Probability of Multiuser Mixed RF/FSO Relay Schemes for Heterogeneous Cloud Radio Access Networks (H-CRANs). <i>Wireless Personal Communications</i> , 2017, 95, 27-41.	2.7	20
23	Effects of diversity schemes and correlated channels on OWC systems performance. <i>Journal of Modern Optics</i> , 2017, 64, 2298-2305.	1.3	12
24	Optical transforms and CGH for SDM systems. , 2016, , .		3
25	Optical wireless communication for future broadband access networks. , 2016, , .		17
26	Link Adaptation for Microwave Link using both MATLAB and Path-Loss Tool. <i>Indonesian Journal of Electrical Engineering and Informatics</i> , 2016, 4, .	0.3	1
27	A Power Efficient Rake Receiver for Interference Reduction in the Mobile Communication Systems. <i>International Journal of Electronics and Electrical Engineering</i> , 2015, 3, .	0.2	0
28	The Growth and Impact of Information and Communication Technologies in Africa. <i>International Journal of Electronics and Electrical Engineering</i> , 2014, 3, .	0.2	0
29	Design of a Data Logger for Biomedical Signals. <i>International Journal of Electronics and Electrical Engineering</i> , 2014, 3, .	0.2	0
30	Separation of Digital Audio Signals using Least-Mean-Square (LMS) Adaptive Algorithm. <i>International Journal of Electrical and Computer Engineering</i> , 2014, 4, .	0.7	3
31	Voice-Based Door Access Control System Using the Mel Frequency Cepstrum Coefficients and Gaussian Mixture Model. <i>International Journal of Electrical and Computer Engineering</i> , 2014, 4, .	0.7	4
32	Performance Analysis of Bit-Error-Rate and Channel Capacity of MIMO Communication Systems over Multipath Fading Channels. <i>International Journal of Informatics and Communication Technology (IJ-ICT)</i> , 2013, 2, .	0.1	5
33	Challenges and Opportunities of Optical Wireless Communication Technologies. , 0, , .		39
34	Spatial Light Modulation as a Flexible Platform for Optical Systems. , 0, , .		3
35	Enabling Optical Wired and Wireless Technologies for 5G and Beyond Networks. , 0, , .		12
36	Network-On-Chip Topologies: Potentials, Technical Challenges, Recent Advances and Research Direction. , 0, , .		1

#	ARTICLE	IF	CITATIONS
37	Trends in Cloud Computing Paradigms: Fundamental Issues, Recent Advances, and Research Directions toward 6G Fog Networks. , 0, , .		2
38	Performance Improvement of Digital Hearing Aid Systems. Journal of Communications Technology Electronics and Computer Science, 0, 1, 27.	0.0	0
39	Effective Multi-Layer Security for Campus Network. Journal of Communications Technology Electronics and Computer Science, 0, 2, 6.	0.0	0