

# Nasir Faruk

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

707  
citations

687363

13  
h-index

642732

23  
g-index

55  
all docs

55  
docs citations

55  
times ranked

378  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 lockdown and remote attendance teaching in developing countries: A review of some online pedagogical resources. African Journal of Science, Technology, Innovation and Development, 2022, 14, 678-696.	1.6	12
2	Proactive Fuzzy-Based Backup Channel Selection Scheme for Spectrum Handoff in Cognitive Radio Networks. , 2022, , .		2
3	Large-scale Signal Attenuation and Shadow Fading Measurement and Modelling for Efficient Wireless Network Design and Management. , 2022, , .		5
4	Blended Learning Environments: An Exploratory Study of e-Learning Implementation in Nigeria Tertiary Institutions Due to COVID-19 Pandemic. , 2022, , .		0
5	Application of UAV-Assisted 5G Communication: A Case Study of the Nigerian Environment. , 2022, , .		2
6	Efficacy of some Unpopular PathLoss Propagation Models in the VHF and UHF Bands. , 2022, , .		2
7	CDMA Deployment in Developing Countries: What Went Wrong in Nigeria?. , 2022, , .		0
8	Effect of Training Algorithms and Network Architecture on the Performance of Multi-Band ANN-Based Path Loss Prediction Model. , 2022, , .		2
9	Spectral Efficiency Bounds of Cell-Free Massive MIMO Assisted UAV Cellular Communication. , 2022, , .		3
10	International Standards and Development Mechanism, Architecture and Services for RSTT: Challenges and Future Research Direction. , 2022, , .		1
11	Compact automatic modulation recognition using over-the-air signals and FOS features. Bulletin of Electrical Engineering and Informatics, 2022, 11, 2013-2024.	0.8	0
12	Application of Computational Intelligence Algorithms in Radio Propagation: A Systematic Review and Metadata Analysis. Mobile Information Systems, 2021, 2021, 1-20.	0.6	6
13	A comprehensive survey on low-cost ECG acquisition systems: Advances on design specifications, challenges and future direction. Biocybernetics and Biomedical Engineering, 2021, 41, 474-502.	5.9	25
14	Large-scale radio propagation path loss measurements and predictions in the VHF and UHF bands. Heliyon, 2021, 7, e07298.	3.2	11
15	Artificial Neural Network Model for Path Loss Predictions in the VHF Band. Lecture Notes in Networks and Systems, 2021, , 161-169.	0.7	3
16	Rural Healthcare Delivery in Sub-Saharan Africa. International Journal of Healthcare Information Systems and Informatics, 2020, 15, 1-21.	0.9	18
17	Reliability Study of Stand-alone Hybrid Renewable Energy Microgrids. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 411-425.	2.3	8
18	Energy Savings in Heterogeneous Networks with Self-Organizing Backhauling. Green Energy and Technology, 2019, , 99-124.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Energy Efficiency of Backhauling Options for Future Heterogeneous Networks. Green Energy and Technology, 2019, , 169-194.	0.6	3
20	Determination of Neural Network Parameters for Path Loss Prediction in Very High Frequency Wireless Channel. IEEE Access, 2019, 7, 150462-150483.	4.2	80
21	Path Loss Predictions in the VHF and UHF Bands Within Urban Environments: Experimental Investigation of Empirical, Heuristics and Geospatial Models. IEEE Access, 2019, 7, 77293-77307.	4.2	55
22	Challenges and Trends in 5G Deployment: A Nigerian Case Study. , 2019, , .		4
23	Characterization of Path Loss in the VHF Band using Neural Network Modeling Technique. , 2019, , .		4
24	Temporal Variation of Duty Cycle in the GSM Bands. , 2019, , .		1
25	ANFIS Model for Path Loss Prediction in the GSM and WCDMA Bands in Urban Area. ELEKTRIKA- Journal of Electrical Engineering, 2019, 18, 1-10.	0.3	12
26	Clutter and terrain effects on path loss in the VHF/UHF bands. IET Microwaves, Antennas and Propagation, 2018, 12, 69-76.	1.4	18
27	Data on the key performance indicators for quality of service of GSM networks in Nigeria. Data in Brief, 2018, 16, 914-928.	1.0	18
28	Received signal strength and local terrain profile data for radio network planning and optimization at GSM frequency bands. Data in Brief, 2018, 16, 972-981.	1.0	28
29	Path loss predictions for multi-transmitter radio propagation in VHF bands using Adaptive Neuro-Fuzzy Inference System. Engineering Science and Technology, an International Journal, 2018, 21, 679-691.	3.2	24
30	Optimal model for path loss predictions using feed-forward neural networks. Cogent Engineering, 2018, 5, 1444345.	2.2	73
31	State of the Art in Research on Optimum Design, Reliability and Control of Renewable Energy Microgrids. ELEKTRIKA- Journal of Electrical Engineering, 2018, 17, 23-35.	0.3	12
32	A random linear code based secure transmission scheme for wireless fading channels. Science China Information Sciences, 2017, 60, 1.	4.3	3
33	Development of an Internet based prepaid energy meter. , 2017, , .		14
34	Effects of detection threshold and frame size on duty cycle in GSM bands. , 2017, , .		5
35	Kriging based model for path loss prediction in the VHF band. , 2017, , .		6
36	Adaptive Neuro-Fuzzy model for path loss prediction in the VHF band. , 2017, , .		25

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37	On green virtual clinics: A framework for extending health care services to rural communities in Sub-Saharan Africa. , 2017, , .		5
38	Spatial variability analysis of duty cycle in GSM band. , 2017, , .		1
39	Standard Propagation Model Tuning for Path Loss Predictions in Built-Up Environments. Lecture Notes in Computer Science, 2017, , 363-375.	1.3	18
40	Towards a Framework for Integrating Social Media, Customer Relationship, and Knowledge Management. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2017, , 11-44.	0.8	0
41	Variation of clutter height and its impact on path loss in the VHF/UHF band. , 2016, , .		5
42	Large scale spectrum survey in rural and urban environments within the 50 MHzâ€“6 GHz bands. Measurement: Journal of the International Measurement Confederation, 2016, 91, 228-238.	5.0	15
43	Energy savings through self-backhauling for future heterogeneous networks. Energy, 2016, 115, 711-721.	8.8	9
44	Spectrum Occupancy Measurements and Analysis in the 2.4-2.7 GHz Band in Urban and Rural Environments. International Journal of Future Computer and Communication, 2016, 5, 142-147.	1.3	8
45	Opportunities for Universal Telecommunication Access in Rural Communities: A Case Study of 15 Rural Villages in Nigeriaâ€™s Kwara State. The African Journal of Information and Communication, 2016, , 139-163.	0.8	3
46	Spectrum occupancy measurements in the TV and CDMA bands. , 2015, , .		12
47	Performance analysis of empirical path loss models in VHF & UHF bands. , 2015, , .		10
48	Improved path-loss model for predicting TV coverage for secondary access. International Journal of Wireless and Mobile Computing, 2014, 7, 565.	0.2	15
49	TV white space in Nigeria in UHF band: Geo-spatial approach. , 2014, , .		8
50	DTV protection regions for spectrum sharing. Journal of Engineering, 2014, 2014, 505-507.	1.1	7
51	Error bounds of empirical path loss models at VHF/UHF bands in Kwara State, Nigeria. , 2013, , .		29
52	DTV coverage and protection contour estimation for spatial white space. , 2013, , .		9
53	ON THE STUDY OF EMPIRICAL PATH LOSS MODELS FOR ACCURATE PREDICTION OF TV SIGNAL FOR SECONDARY USERS. Progress in Electromagnetics Research B, 2013, 49, 155-176.	1.0	54
54	Performance Analysis of Hybrid MAC Protocol for Cognitive Radio Networks. International Journal of Communications, Network and System Sciences, 2013, 06, 18-28.	0.6	6

#	ARTICLE	IF	CITATIONS
55	Interference Mitigation MAC Protocol for Cognitive Radio Networks. Wireless Engineering and Technology, 2012, 03, 63-71.	0.9	5