

Adeiza J Onumanyi

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

382
citations

759233

12
h-index

839539

18
g-index

33
all docs

33
docs citations

33
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	An optimized routing algorithm for vehicle ad-hoc networks. Engineering Science and Technology, an International Journal, 2019, 22, 754-766.	3.2	37
2	New road anomaly detection and characterization algorithm for autonomous vehicles. Applied Computing and Informatics, 2018, 16, 223-239.	5.9	34
3	Image processing techniques for automated road defect detection: A survey. , 2014, , .		31
4	Overlay Virtualized Wireless Sensor Networks for Application in Industrial Internet of Things: A Review. Sensors, 2018, 18, 3215.	3.8	26
5	Simple Deterministic Selection-Based Genetic Algorithm for Hyperparameter Tuning of Machine Learning Models. Applied Sciences (Switzerland), 2022, 12, 1186.	2.5	25
6	A comparative analysis of local and global adaptive threshold estimation techniques for energy detection in cognitive radio. Physical Communication, 2018, 29, 1-11.	2.1	22
7	Low Power Wide Area Network, Cognitive Radio and the Internet of Things: Potentials for Integration. Sensors, 2020, 20, 6837.	3.8	22
8	Cognitive Radio in Low Power Wide Area Network for IoT Applications: Recent Approaches, Benefits and Challenges. IEEE Transactions on Industrial Informatics, 2020, 16, 7489-7498.	11.3	21
9	An Effective Spectrum Handoff Based on Reinforcement Learning for Target Channel Selection in the Industrial Internet of Things. Sensors, 2019, 19, 1395.	3.8	17
10	Performance Analysis of Machine Learning Algorithms for Energy Demandâ€“Supply Prediction in Smart Grids. Sustainability, 2022, 14, 2546.	3.2	17
11	Development of hybrid artificial intelligent based handover decision algorithm. Engineering Science and Technology, an International Journal, 2017, 20, 381-390.	3.2	16
12	A modified Otsuâ€™s algorithm for improving the performance of the energy detector in cognitive radio. AEU - International Journal of Electronics and Communications, 2017, 79, 53-63.	2.9	16
13	Transactive Energy: State-of-the-Art in Control Strategies, Architectures, and Simulators. IEEE Access, 2021, 9, 131552-131573.	4.2	16
14	New Discrete Cuckoo Search Optimization Algorithms for Effective Route Discovery in IoT-Based Vehicular Ad-Hoc Networks. IEEE Access, 2020, 8, 145469-145488.	4.2	13
15	A new evaluation function for face image enhancement in unconstrained environments using metaheuristic algorithms. Eurasip Journal on Image and Video Processing, 2019, 2019, .	2.6	10
16	A Real Valued Neural Network Based Autoregressive Energy Detector for Cognitive Radio Application. International Scholarly Research Notices, 2014, 2014, 1-11.	0.9	9
17	Amplitude quantization method for autonomous threshold estimation in self-reconfigurable cognitive radio systems. Physical Communication, 2021, 44, 101256.	2.1	8
18	Towards Cognitive Radio in Low Power Wide Area Network for Industrial IoT Applications. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	An Examination of Different Vision based Approaches for Road Anomaly Detection. , 2019, , .		6
20	Adaptive threshold techniques for cognitive radioâ€based low power wide area network. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3908.	3.9	6
21	A delay-aware spectrum handoff scheme for prioritized time-critical industrial applications with channel selection strategy. Computer Communications, 2019, 144, 112-123.	5.1	5
22	An Adaptive Wavelet-Based Scale Space Filtering Algorithm for Spectrum Sensing in Cognitive Radio. , 2017, , .		3
23	A cuckoo search optimization-based forward consecutive mean excision model for threshold adaptation in cognitive radio. Soft Computing, 2020, 24, 9683-9704.	3.6	3
24	A discriminant analysis-based automatic ordered statistics scheme for radar systems. Physical Communication, 2020, 43, 101215.	2.1	3
25	Performance Analysis of Machine Learning Classifiers for Pothole Road Anomaly Segmentation. , 2021, , .		3
26	Development of key generation algorithm using ECG biometrics for node security in wireless body area sensor network. European Research in Telemedicine, 2016, 5, 137-144.	0.5	2
27	An adaptive wavelet transformation filtering algorithm for improving road anomaly detection and characterization in vehicular technology. International Journal of Electrical and Computer Engineering, 2019, 9, 3664.	0.7	2
28	An enhanced multipolicy approach to vertical handoff decision across WLAN and UMTS networks. , 2009, , .		1
29	Effect of Spectrum Occupancy on the Performance of a Real Valued Neural Networl Based Energy Detector. , 2014, , .		1
30	Cooperative-hybrid detection of primary user emulators in cognitive radio networks. International Journal of Electrical and Computer Engineering, 2020, 10, 3116.	0.7	1
31	Histogram partitioning algorithms for adaptive and autonomous threshold estimation in cognitive radioâ€based industrial wireless sensor networks. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3679.	3.9	0
32	Optimal Design of Colpitts Oscillator Using Bat Algorithm and Artificial Neural Network (BA-ANN). Advances in Intelligent Systems and Computing, 2019, , 29-38.	0.6	0
33	Generalized selfâ€tuning system for adaptive threshold estimators in cognitive radio systems using swarm and evolutionaryâ€based approaches. Transactions on Emerging Telecommunications Technologies, 2021, 32, .	3.9	0