Mounir Arioua

List of Publications by Year
in descending order

44 papers	494 citations	840776 11 h-index	752698 20 g-index
44 all docs	44 docs citations	44 times ranked	401 citing authors

#	Article	IF	Citations
1	Smart Industrial IoT Monitoring and Control System Based on UAV and Cloud Computing Applied to a Concrete Plant. Sensors, 2019, 19, 3316.	3.8	75
2	Intelligent Machine Vision Model for Defective Product Inspection Based on Machine Learning. Journal of Sensor and Actuator Networks, 2021, 10, 7.	3.9	61
3	UAV-Enabled Mobile Edge-Computing for IoT Based on AI: A Comprehensive Review. Drones, 2021, 5, 148.	4.9	53
4	Multi-hop Cluster Based Routing Approach for Wireless Sensor Networks. Procedia Computer Science, 2016, 83, 584-591.	2.0	50
5	Autonomous Underwater Monitoring System for Detecting Life on the Seabed by Means of Computer Vision Cloud Services. Remote Sensing, 2020, 12, 1981.	4.0	23
6	A Hybrid Adaptive Coding and Decoding Scheme for Multi-hop Wireless Sensor Networks. Wireless Personal Communications, 2017, 94, 3017-3033.	2.7	20
7	Energy-Efficient Hybrid K-Means Algorithm for Clustered Wireless Sensor Networks. International Journal of Electrical and Computer Engineering, 2017, 7, 2054.	0.7	20
8	On the performance of adaptive coding schemes for energy efficient and reliable clustered wireless sensor networks. Ad Hoc Networks, 2017, 64, 99-111.	5.5	19
9	Sensors and Actuators in Smart Cities. Journal of Sensor and Actuator Networks, 2018, 7, 8.	3.9	18
10	Multi-zonal approach clustering based on stable election protocol in heterogeneous wireless sensor networks. , 2016, , .		16
11	On the design of coding framework for energy efficient and reliable multi-hop sensor networks. Procedia Computer Science, 2017, 109, 537-544.	2.0	12
12	Performance analysis of efficient coding schemes for wireless sensor networks. , 2015, , .		11
13	An IoT Control System for Wind Power Generators. Communications in Computer and Information Science, 2018, , 469-479.	0.5	11
14	Autonomous Marine Robot Based on AI Recognition for Permanent Surveillance in Marine Protected Areas. Sensors, 2021, 21, 2664.	3.8	11
15	An energy-efficient clustering protocol using fuzzy logic and network segmentation for heterogeneous WSN. International Journal of Electrical and Computer Engineering, 2019, 9, 4192.	0.7	10
16	Efficient 16-points FFT/IFFT Architecture for OFDM Based Wireless Broadband Communication. Information Technology Journal, 2011, 11, 118-125.	0.3	9
17	Intelligent machine vision model for defective product inspection based on machine learning. , 2020, , .		9
18	Impact of Image Compression on the Performance of Steel Surface Defect Classification with a CNN. Journal of Sensor and Actuator Networks, 2021, 10, 73.	3.9	9

#	Article	IF	Citations
19	VHDL implementation of an optimized 8-point FFT/IFFT processor in pipeline architecture for OFDM systems. , 2011, , .		7
20	On the performance of piecewise linear approximation techniques in WSNs. , 2018, , .		6
21	Adaptive Joint Lossy Source-Channel Coding for Multihop IoT Networks. Wireless Communications and Mobile Computing, 2020, 2020, 1-15.	1.2	6
22	Joint FEC/CRC coding scheme for energy constrained IOT devices. , 2017, , .		5
23	Zone Divisional Approach for Energy Balanced Clustering Protocol in Wireless Sensor Network. , 2017, , .		5
24	Energy-efficient Multi-hop Routing with Unequal Clustering Approach for Wireless Sensor Networks. International Journal of Computer Networks and Communications, 2020, 12, 55-73.	0.3	5
25	A new Linux based TCP congestion control mechanism for long distance high bandwidth sustainable smart cities. Sustainable Cities and Society, 2018, 37, 164-177.	10.4	4
26	Performance Evaluation of Cluster Validity Methods an Energy Optimization in Wireless Sensor Networks Using Hybrid K-Medoids Algorithm. , 2017, , .		3
27	PLA Compression Schemes Assessment in Multi-hop Wireless Sensor Networks. Procedia Computer Science, 2018, 130, 279-286.	2.0	3
28	Edge-Cloud Architectures Using UAVs Dedicated To Industrial IoT Monitoring And Control Applications. , 2020, , .		3
29	Multiple zonal approach for clustered wireless sensor networks. , 2016, , .		2
30	Modulator performance measurement in wireless sensor transmission chain. , 2017, , .		2
31	On the Performance of Deep Learning in the Full Edge and the Full Cloud Architectures. , 2021, , .		2
32	Vertical and Horizontal Compression Scheme Assessment in Cluster-Based WSNs. , 2018, , .		1
33	On the Performance of Spatio-Temporal Compression Schemes in Cluster-based WSNs. , 2020, , .		1
34	Uplink Spectral Efficiency of Cell Free Massive MIMO based on Stochastic Geometry Approach. , 2021, , .		1
35	On the spectral efficiency of cellâ€free massive MIMO system in irregular 5G mobile networks. International Journal of Communication Systems, 2022, 35, .	2.5	1
36	Proposition of a phase difference detector for the correlation receiver. , 2010, , .		0

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37	Efficient electrocardiogram (ECG) lossy compression scheme. , 2016, , .		0
38	Performance Evaluation Survey of WSN Physical Layer. , 2017, , .		0
39	Distributed energy efficient clustering algorithm based on fuzzy logic approach applied for heterogeneous WSN. , 2017, , .		0
40	Analysis of lossy compression and channel coding tradeoff for energy efficient transmission in low power communication systems. , 2018, , .		0
41	Fuzzy C-Means Based Hierarchical Routing Approach for Homogenous WSN. Lecture Notes in Networks and Systems, 2018, , 265-275.	0.7	0
42	Energy Performance of a Combined Horizontal and Vertical Compression Approach in Cluster-based WSNS. International Journal of Computer Networks and Communications, 2020, 12, 131-154.	0.3	0
43	Energy Performance of LDPC Scheme in Multi-Hop Wireless Sensor Network with Two base Stations Model. International Journal of Electrical and Computer Engineering, 2017, 7, 933.	0.7	0
44	Performance Analysis of Hierarchical Routing Protocols in Heterogenous WSNs. Advances in Computer and Electrical Engineering Book Series, 2020, , 237-258.	0.3	0