

Mounir Arioua

List of Publications by Year in descending order

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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	On the spectral efficiency of cell-free massive MIMO system in irregular 5G mobile networks. International Journal of Communication Systems, 2022, 35, .	2.5	1
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	Autonomous Marine Robot Based on AI Recognition for Permanent Surveillance in Marine Protected Areas. Sensors, 2021, 21, 2664.	3.8	11
4	On the Performance of Deep Learning in the Full Edge and the Full Cloud Architectures. , 2021, , .		2
5	UAV-Enabled Mobile Edge-Computing for IoT Based on AI: A Comprehensive Review. Drones, 2021, 5, 148.	4.9	53
6	Uplink Spectral Efficiency of Cell Free Massive MIMO based on Stochastic Geometry Approach. , 2021, , .		1
7	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
8	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
9	Adaptive Joint Lossy Source-Channel Coding for Multihop IoT Networks. Wireless Communications and Mobile Computing, 2020, 2020, 1-15.	1.2	6
10	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
11	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
12	Performance Analysis of Hierarchical Routing Protocols in Heterogenous WSNs. Advances in Computer and Electrical Engineering Book Series, 2020, , 237-258.	0.3	0
13	On the Performance of Spatio-Temporal Compression Schemes in Cluster-based WSNs. , 2020, , .		1
14	Edge-Cloud Architectures Using UAVs Dedicated To Industrial IoT Monitoring And Control Applications. , 2020, , .		3
15	Intelligent machine vision model for defective product inspection based on machine learning. , 2020, , .		9
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Analysis of lossy compression and channel coding tradeoff for energy efficient transmission in low power communication systems. , 2018, , .		0
20	PLA Compression Schemes Assessment in Multi-hop Wireless Sensor Networks. Procedia Computer Science, 2018, 130, 279-286.	2.0	3
21	Vertical and Horizontal Compression Scheme Assessment in Cluster-Based WSNs. , 2018, , .		1
22	On the performance of piecewise linear approximation techniques in WSNs. , 2018, , .		6
23	Sensors and Actuators in Smart Cities. Journal of Sensor and Actuator Networks, 2018, 7, 8.	3.9	18
24	An IoT Control System for Wind Power Generators. Communications in Computer and Information Science, 2018, , 469-479.	0.5	11
25	Fuzzy C-Means Based Hierarchical Routing Approach for Homogenous WSN. Lecture Notes in Networks and Systems, 2018, , 265-275.	0.7	0
26	Performance Evaluation of Cluster Validity Methods an Energy Optimization in Wireless Sensor Networks Using Hybrid K-Medoids Algorithm. , 2017, , .		3
27	Joint FEC/CRC coding scheme for energy constrained IOT devices. , 2017, , .		5
28	Zone Divisional Approach for Energy Balanced Clustering Protocol in Wireless Sensor Network. , 2017, , .		5
29	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
30	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
31	A Hybrid Adaptive Coding and Decoding Scheme for Multi-hop Wireless Sensor Networks. Wireless Personal Communications, 2017, 94, 3017-3033.	2.7	20
32	Performance Evaluation Survey of WSN Physical Layer. , 2017, , .		0
33	Distributed energy efficient clustering algorithm based on fuzzy logic approach applied for heterogeneous WSN. , 2017, , .		0
34	Modulator performance measurement in wireless sensor transmission chain. , 2017, , .		2
35	Energy-Efficient Hybrid K-Means Algorithm for Clustered Wireless Sensor Networks. International Journal of Electrical and Computer Engineering, 2017, 7, 2054.	0.7	20
36	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

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37	Efficient electrocardiogram (ECG) lossy compression scheme. , 2016, , .		0
38	Multi-zonal approach clustering based on stable election protocol in heterogeneous wireless sensor networks. , 2016, , .		16
39	Multi-hop Cluster Based Routing Approach for Wireless Sensor Networks. Procedia Computer Science, 2016, 83, 584-591.	2.0	50
40	Multiple zonal approach for clustered wireless sensor networks. , 2016, , .		2
41	Performance analysis of efficient coding schemes for wireless sensor networks. , 2015, , .		11
42	VHDL implementation of an optimized 8-point FFT/IFFT processor in pipeline architecture for OFDM systems. , 2011, , .		7
43	Efficient 16-points FFT/IFFT Architecture for OFDM Based Wireless Broadband Communication. Information Technology Journal, 2011, 11, 118-125.	0.3	9
44	Proposition of a phase difference detector for the correlation receiver. , 2010, , .		0