

Fatemeh Afghah

List of Publications by Year in descending order

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64
papers

1,958
citations

430874

18
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330143

37
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65
docs citations

65
times ranked

1566
citing authors

#	ARTICLE	IF	CITATIONS
1	Clouds Proportionate Medical Data Stream Analytics for Internet of Things-Based Healthcare Systems. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 973-982.	6.3	29
2	Dronesâ€™ Edge Intelligence Over Smart Environments in B5G: Blockchain and Federated Learning Synergy. IEEE Transactions on Green Communications and Networking, 2022, 6, 295-312.	5.5	58
3	Helper Data Masking for Physically Unclonable Function-Based Key Generation Algorithms. IEEE Access, 2022, 10, 40150-40164.	4.2	2
4	Intelligent Reflecting Surface Aided Wireless Systems with Imperfect Hardware. Electronics (Switzerland), 2022, 11, 900.	3.1	4
5	A review of AI-enabled routing protocols for UAV networks: Trends, challenges, and future outlook. Ad Hoc Networks, 2022, 130, 102790.	5.5	79
6	Traffic scheduling, network slicing and virtualization based on deep reinforcement learning. Computers and Electrical Engineering, 2022, 100, 107987.	4.8	4
7	LB-OPAR: Load balanced optimized predictive and adaptive routing for cooperative UAV networks. Ad Hoc Networks, 2022, 132, 102878.	5.5	6
8	Heterogeneous Airborne mmWave Cells: Optimal Placement for Power-Efficient Maximum Coverage. , 2022, , .		2
9	UAV-Assisted Communication in Remote Disaster Areas Using Imitation Learning. IEEE Open Journal of the Communications Society, 2021, 2, 738-753.	6.9	11
10	Exploiting Secrecy Performance of Uplink NOMA in Cellular Networks. IEEE Access, 2021, 9, 95135-95154.	4.2	6
11	A greedy graph search algorithm based on changepoint analysis for automatic QRS complex detection. Computers in Biology and Medicine, 2021, 130, 104208.	7.0	4
12	ECG Language processing (ELP): A new technique to analyze ECG signals. Computer Methods and Programs in Biomedicine, 2021, 202, 105959.	4.7	23
13	Green internet of things using UAVs in B5G networks: A review of applications and strategies. Ad Hoc Networks, 2021, 117, 102505.	5.5	114
14	Fully-Echoed Q-Routing With Simulated Annealing Inference for Flying Adhoc Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 2223-2234.	6.4	25
15	Aerial imagery pile burn detection using deep learning: The FLAME dataset. Computer Networks, 2021, 193, 108001.	5.1	124
16	Reliable, Secure, and Efficient Hardware Implementation of Password Manager System Using SRAM PUF. IEEE Access, 2021, 9, 155711-155725.	4.2	2
17	A survey on physical unclonable function (PUF)-based security solutions for Internet of Things. Computer Networks, 2020, 183, 107593.	5.1	127
18	Enabling Full-Duplex and Energy Harvesting in Uplink and Downlink of Small-Cell Network Relying on Power Domain Based Multiple Access. IEEE Access, 2020, 8, 142772-142784.	4.2	24

#	ARTICLE	IF	CITATIONS
19	Inverse Feature Learning: Feature Learning Based on Representation Learning of Error. IEEE Access, 2020, 8, 132937-132949.	4.2	0
20	HAN-ECC: An interpretable atrial fibrillation detection model using hierarchical attention networks. Computers in Biology and Medicine, 2020, 127, 104057.	7.0	66
21	Wildfire Spread Modeling with Aerial Image Processing. , 2020, , .		13
22	Sequential Association Rule Mining for Autonomously Extracting Hierarchical Task Structures in Reinforcement Learning. IEEE Access, 2020, 8, 11782-11799.	4.2	2
23	Single-modal and multi-modal false arrhythmia alarm reduction using attention-based convolutional and recurrent neural networks. PLoS ONE, 2020, 15, e0226990.	2.5	29
24	An Autonomous Spectrum Management Scheme for Unmanned Aerial Vehicle Networks in Disaster Relief Operations. IEEE Access, 2020, 8, 58064-58079.	4.2	34
25	UASTrustChain: A Decentralized Blockchain- Based Trust Monitoring Framework for Autonomous Unmanned Aerial Systems. IEEE Access, 2020, 8, 226074-226088.	4.2	12
26	An Uncertainty Estimation Framework for Risk Assessment in Deep Learning-based AFib Classification. , 2020, , .		3
27	A Proof of Concept SRAM-based Physically Unclonable Function (PUF) Key Generation Mechanism for IoT Devices. , 2019, , .		20
28	ECGNET: Learning Where to Attend for Detection of Atrial Fibrillation with Deep Visual Attention. , 2019, 2019, .		31
29	SleepEEGNet: Automated sleep stage scoring with sequence to sequence deep learning approach. PLoS ONE, 2019, 14, e0216456.	2.5	265
30	Inter- and Intra- Patient ECG Heartbeat Classification for Arrhythmia Detection: A Sequence to Sequence Deep Learning Approach. , 2019, 2019, 1308-1312.		85
31	Fire Frontline Monitoring by Enabling UAV-Based Virtual Reality with Adaptive Imaging Rate. , 2019, , .		18
32	Wildfire Monitoring in Remote Areas using Autonomous Unmanned Aerial Vehicles. , 2019, , .		53
33	A Solution for Dynamic Spectrum Management in Mission-Critical UAV Networks. , 2019, , .		17
34	An Unsupervised Feature Learning Approach to Reduce False Alarm Rate in ICUs. , 2019, 2019, 349-353.		3
35	An Energy Efficient Framework for UAV-Assisted Millimeter Wave 5G Heterogeneous Cellular Networks. IEEE Transactions on Green Communications and Networking, 2019, 3, 37-44.	5.5	72
36	Use of a quantum genetic algorithm for coalition formation in large-scale UAV networks. Ad Hoc Networks, 2019, 87, 26-36.	5.5	46

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37	A ReRAM Physically Unclonable Function (ReRAM PUF)-Based Approach to Enhance Authentication Security in Software Defined Wireless Networks. International Journal of Wireless Information Networks, 2018, 25, 117-129.	2.7	11
38	Intersatellite Communication System Based on Visible Light. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2888-2899.	4.7	34
39	A Hierarchical Spectrum Access Scheme for TV White Space Coexistence in Heterogeneous Networks. IEEE Access, 2018, 6, 78992-79004.	4.2	6
40	A Feature Selection Method Based on Shapley Value to False Alarm Reduction in ICUs A Genetic-Algorithm Approach. , 2018, 2018, 319-323.		17
41	A unified framework for joint mobility prediction and object profiling of drones in UAV networks. Journal of Communications and Networks, 2018, 20, 434-442.	2.6	32
42	Optimal Relaying Beamforming in Multiple Access Broadcast Channel (MABC) Bidirectional Cognitive Radio Networks in Presence of Interferers. International Journal of Wireless Information Networks, 2018, 25, 383-398.	2.7	2
43	A Secret Key Generation Scheme for Internet of Things using Ternary-States ReRAM-based Physical Unclonable Functions. , 2018, , .		17
44	On Greedy Routing in Dynamic UAV Networks. , 2018, , .		12
45	A hierarchical Stackelberg-coalition formation game theoretic framework for cooperative spectrum leasing. , 2017, , .		10
46	Ag conductive bridge RAMs for physical unclonable functions. , 2017, , .		11
47	Utility of Light Emitting Diodes for inter-satellite communication in multi-satellite networks. , 2016, , .		10
48	Survey of Inter-Satellite Communication for Small Satellite Systems: Physical Layer to Network Layer View. IEEE Communications Surveys and Tutorials, 2016, 18, 2442-2473.	39.4	212
49	Network-Based Enriched Gene Subnetwork Identification: A Game-Theoretic Approach. Biomedical Engineering and Computational Biology, 2016, 7s2, BECB.S38244.	2.0	12
50	Channel-Adaptive Packetization Policy for Minimal Latency and Maximal Energy Efficiency. IEEE Transactions on Wireless Communications, 2016, 15, 2407-2420.	9.2	10
51	Context-aware D2D peer selection for load distribution in LTE networks. , 2015, , .		8
52	MIMO-OFDM non-regenerative relay channel estimation using compressed sensing. , 2015, , .		7
53	Software Defined Radio implementation of DS-CDMA in inter-satellite communications for small satellites. , 2015, , .		17
54	Spectrum sharing in cooperative cognitive radio networks: A matching game framework. , 2015, , .		23

#	ARTICLE	IF	CITATIONS
55	Cooperative Spectrum Leasing in Cognitive Radio Networks. , 2014, , .		11
56	Blood loss severity prediction using game theoretic based feature selection. , 2014, , .		7
57	Game Theoretic Study of Cooperative Spectrum Leasing in Cognitive Radio Networks. International Journal of Handheld Computing Research, 2014, 5, 61-74.	0.4	7
58	Power Optimized DSTBC Assisted DMF Relaying in Wireless Sensor Networks with Redundant Super Nodes. IEEE Transactions on Wireless Communications, 2013, 12, 636-645.	9.2	13
59	Distributed fair-efficient power allocation in two-hop relay networks. , 2013, , .		2
60	Stochastic game theoretical model for packet forwarding in relay networks. Telecommunication Systems, 2013, 52, 1877-1893.	2.5	12
61	A reputation-based Stackelberg game approach for spectrum sharing with cognitive cooperation. , 2013, , .		27
62	Binary Source Estimation Using a Two-Tiered Wireless Sensor Network. IEEE Communications Letters, 2011, 15, 449-451.	4.1	7
63	Throughput optimization in relay networks using Markovian game theory. , 2011, , .		3
64	Wireless cooperative relaying using game theory. , 2010, , .		1