Reza Javidan

List of Publications by Year
in descending order

78 papers	1,344 citations	471509 17 h-index	395702 33 g-index
79 all docs	79 docs citations	79 times ranked	1331 citing authors

#	Article	IF	Citations
1	A Two-Layer Dimension Reduction and Two-Tier Classification Model for Anomaly-Based Intrusion Detection in IoT Backbone Networks. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 314-323.	4.6	285
2	Similarity-based Android malware detection using Hamming distance of static binary features. Future Generation Computer Systems, 2020, 105, 230-247.	7.5	120
3	SLICOTS: An SDN-Based Lightweight Countermeasure for TCP SYN Flooding Attacks. IEEE Transactions on Network and Service Management, 2017, 14, 487-497.	4.9	119
4	Medical image registration using deep neural networks: A comprehensive review. Computers and Electrical Engineering, 2020, 87, 106767.	4.8	83
5	A robust method for underwater wireless sensor joint localization and synchronization. Ocean Engineering, 2017, 137, 276-286.	4.3	56
6	On defending against label flipping attacks on malware detection systems. Neural Computing and Applications, 2020, 32, 14781-14800.	5.6	37
7	RSS: An Energy-Efficient Approach for Securing IoT Service Protocols Against the DoS Attack. IEEE Internet of Things Journal, 2021, 8, 3619-3635.	8.7	33
8	Spatiotemporal monitoring of Bakhtegan Lake's areal fluctuations and an exploration of its future status by applying a cellular automata model. Computers and Geosciences, 2015, 78, 37-43.	4.2	32
9	Multi criteria analysis of Controller Placement Problem in Software Defined Networks. Computer Communications, 2019, 133, 115-128.	5.1	30
10	A Hybrid Data Mining Approach for Intrusion Detection on Imbalanced NSL-KDD Dataset. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.7	29
11	A secure biometric-based authentication protocol for global mobility networks in smart cities. Journal of Supercomputing, 2020, 76, 8729-8755.	3.6	28
12	An adaptive type-2 fuzzy traffic engineering method for video surveillance systems over software defined networks. Multimedia Tools and Applications, 2017, 76, 23627-23642.	3.9	23
13	CANF: Clustering and anomaly detection method using nearest and farthest neighbor. Future Generation Computer Systems, 2018, 89, 166-177.	7.5	22
14	A new adaptive traffic engineering method for telesurgery using ACO algorithm over Software Defined Networks. European Research in Telemedicine, 2017, 6, 173-180.	0.5	20
15	Adaptive timing model for improving routing and data aggregation in Internet of things networks using RPL. IET Networks, 2018, 7, 306-312.	1.8	20
16	MUSIC algorithm for DOA estimation using MIMO arrays. , 2011, , .		19
17	On the global stability of an epidemic model of computer viruses. Theory in Biosciences, 2017, 136, 169-178.	1.4	19
18	Proposing a new method for improving RPL to support mobility in the Internet of things. IET Networks, 2020, 9, 48-55.	1.8	19

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19	Can machine learning model with static features be fooled: an adversarial machine learning approach. Cluster Computing, 2020, 23, 3233-3253.	5.0	19
20	A novel control strategy for DVR: Optimal bi-objective structure emotional learning. International Journal of Electrical Power and Energy Systems, 2016, 83, 259-269.	5.5	17
21	Predicting lung cancer survivability using ensemble learning methods. , 2017, , .		17
22	An adaptive target tracking method for 3D underwater wireless sensor networks. Wireless Networks, 2018, 24, 2797-2810.	3.0	17
23	Efficient Detection of Underwater Natural Gas Pipeline Leak Based on Synthetic Aperture Sonar (SAS) Systems. Journal of Marine Science and Engineering, 2021, 9, 1273.	2.6	15
24	A Comparative study between wavelet and Contourlet Transform Features for Textural Image Classification. , 2008, , .		14
25	A new energy aware cluster head selection for LEACH in wireless sensor networks. IET Wireless Sensor Systems, 2021, 11, 45-53.	1.7	13
26	A novel multicast traffic engineering technique in SDN using TLBO algorithm. Telecommunication Systems, 2018, 68, 583-592.	2.5	12
27	An Intelligent Traffic Engineering Method over Software Defined Networks for Video Surveillance Systems Based on Artificial Bee Colony. International Journal of Intelligent Information Technologies, 2016, 12, 45-62.	0.8	12
28	An intelligent traffic engineering method for video surveillance systems over software defined networks using ant colony optimisation. International Journal of Bio-Inspired Computation, 2018, 12, 173.	0.9	11
29	On the feasibility of telesurgery over software defined networks. International Journal of Intelligent Robotics and Applications, 2018, 2, 339-350.	2.8	11
30	Adversarial android malware detection for mobile multimedia applications in IoT environments. Multimedia Tools and Applications, 2021, 80, 16713-16729.	3.9	11
31	RPL LOAD BALANCING IN INTERNET OF THINGS. IIUM Engineering Journal, 2017, 18, 137-150.	0.8	10
32	Node deployment in wireless sensor networks using the new multiâ€objective Levy flight bee algorithm. IET Wireless Sensor Systems, 2020, 10, 78-87.	1.7	9
33	Telesurgery QoS improvement over SDN based on a Typeâ€2 fuzzy system and enhanced cuckoo optimization algorithm. International Journal of Communication Systems, 2020, 33, e4426.	2.5	9
34	Automatic Clustering of Attacks in Intrusion Detection Systems. , 2019, , .		8
35	A new objective function for RPL routing protocol in IoT to increase network lifetime. International Journal of Wireless and Mobile Computing, 2020, 19, 73.	0.2	8
36	SMOTE: An Intelligent SDN-Based Multi-Objective Traffic Engineering Technique for Telesurgery. IETE Journal of Research, 2023, 69, 2503-2513.	2.6	8

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37	Semantic query in a relational database using a local ontology construction. South African Journal of Science, 2012, 108, .	0.7	7
38	Comparative Performance Evaluation of MAC Layer Protocols for Underwater Wireless Sensor Networks. Modern Applied Science, 2012, 6, .	0.6	7
39	Practical extensions to countermeasure DoS attacks in software defined networking. , 2017, , .		7
40	Underwater Acoustic Source Positioning by Isotropic and Vector Hydrophone Combination. Journal of Sound and Vibration, 2021, 501, 116031.	3.9	7
41	Estimating water content of natural gas: A radial basis function neural network method. Petroleum Science and Technology, 2017, 35, 1852-1858.	1.5	6
42	EFSUTE: a novel efficient and survivable traffic engineering for software defined networks. Journal of Reliable Intelligent Environments, 2022, 8, 247-260.	5.2	6
43	Providing Multimedia QoS Methods over Software Defined Networks: A Comprehensive Review. International Journal of Computer Applications, 2017, 168, 55-59.	0.2	6
44	Contourlet-Based Acoustic Seabed Ground Discrimination System. , 2008, , .		5
45	Selective geometry for nearâ€field threeâ€dimensional localisation using oneâ€pair sensor. IET Radar, Sonar and Navigation, 2016, 10, 844-849.	1.8	5
46	Mobility management in wireless nano-sensor networks using fuzzy logic. Journal of Intelligent and Fuzzy Systems, 2017, 32, 969-978.	1.4	5
47	A new approach for traffic matrix estimation in high load computer networks based on graph embedding and convolutional neural network. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3604.	3.9	5
48	An Efficient Acoustic Scattering Model Based on Target Surface Statistical Descriptors for Synthetic Aperture Sonar Systems. Journal of Marine Science and Application, 2020, 19, 494-507.	1.7	5
49	A new stemmer for Farsi language. , 2011, , .		4
50	An intelligent IoT-based positioning system for theme parks. Journal of Supercomputing, 2021, 77, 9879-9904.	3.6	4
51	A new load balancing clustering method for the RPL protocol. Telecommunication Systems, 2021, 77, 297-315.	2.5	4
52	A Robust Anonymous Remote User Authentication Protocol for IoT Services. Wireless Personal Communications, 2021, 121, 2347-2369.	2.7	4
53	ERA-ContikiMAC: An adaptive radio duty cycling layer in Internet of Things. , 2018, , .		3
54	Achieving Horizontal Scalability in Density-based Clustering for URLs. , 2018, , .		3

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55	Controlled deployment in wireless sensor networks based on a novel Multi Objective Bee Swarm Optimization algorithm. , 2018, , .		3
56	A new method for layer 2 loop prevention in software defined networks. Telecommunication Systems, 2020, 73, 47-57.	2.5	3
57	Smart Objects Presence Facilitation in the Internet of Things. International Journal of Computer Applications, 2017, 168, 25-31.	0.2	3
58	A new security algorithm for electronic payment via mobile phones. , 2010, , .		2
59	A new method for data redundancy reduction in RFID middleware. , 2010, , .		2
60	Implementation of a new method for stemming in Persian language. , 2011, , .		2
61	A fast block-based approach for segmentation and classification of textural images using contourlet transform and SVM. International Journal of Signal and Imaging Systems Engineering, 2014, 7, 211.	0.6	2
62	A new density estimator based on nearest and farthest neighbor. , 2016, , .		2
63	Classification of big satellite images using hadoop clusters for land cover recognition. , 2017, , .		2
64	OpenIPTV: a comprehensive SDN-based IPTV service framework. Multimedia Systems, 2018, 24, 313-325.	4.7	2
65	An Efficient Key Distribution Mechanism for Large Scale Hierarchical Wireless Sensor Networks. , 2019, , .		2
66	An intelligent multicast traffic engineering method over software defined networks. Journal of High Speed Networks, 2020, , 1-12.	0.8	2
67	TMCC: An Optimal Mechanism for Congestion Control in Wireless Sensor Networks. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.7	2
68	An intelligent model for prediction of brucellosis. , 2017, , .		1
69	Providing a New Energy Management Approach in Smart Homes Using the 6lowpan Protocol. , 2018, , .		1
70	Seabed Image Texture Segmentation and Classification Based on Nonsubsampled Contourlet Transform. Communications in Computer and Information Science, 2008, , 186-193.	0.5	1
71	An Intelligent Traffic Engineering Method Over Software Defined Networks for Video Surveillance Systems Based on Artificial Bee Colony. , 2019, , 360-377.		1
72	Wavelet-based acoustic seabed discrimination system. , 2010, , .		0

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73	A new method for data filtering in RFID middleware. International Journal of Radio Frequency Identification Technology and Applications, 2011, 3, 260.	0.5	0
74	Hybrid interactions in pervasive computing settings. , 2011, , .		0
75	Seabed Image Texture Analysis Using Subsampled Contourlet Transform. Communications in Computer and Information Science, 2011, , 337-348.	0.5	0
76	An intelligent traffic engineering method for video surveillance systems over software defined networks using ant colony optimisation. International Journal of Bio-Inspired Computation, 2018, 12, 173.	0.9	0
77	An Intelligent Rule-based System for Status Epilepticus Prognostication. Journal of Biomedical Physics and Engineering, 2021, 11, 185-196.	0.9	0
78	Three Dimensional Localization of an Unknown Target Using Two Heterogeneous Sensors. Signal and Data Processing, 2020, 17, 147-158.	0.1	0