Mehdi

List of Publications by Year
in descending order

88 papers	3,764 citations	257101 24 h-index	138251 58 g-index
89 all docs	89 docs citations	89 times ranked	5119 citing authors

#	Article	IF	Citations
1	Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017. JAMA Oncology, 2019, 5, 1749.	3.4	1,691
2	A framework to expedite joint energy-reserve payment cost minimization using a custom-designed method based on Mixed Integer Genetic Algorithm. Engineering Applications of Artificial Intelligence, 2018, 72, 203-212.	4.3	274
3	Expert Cloud: A Cloud-based framework to share the knowledge and skills of human resources. Computers in Human Behavior, 2015, 46, 57-74.	5.1	126
4	Load Balancing Mechanisms in the Software Defined Networks: A Systematic and Comprehensive Review of the Literature. IEEE Access, 2018, 6, 14159-14178.	2.6	123
5	Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. Injury Prevention, 2020, 26, i96-i114.	1.2	103
6	Resource allocation mechanisms and approaches on the Internet of Things. Cluster Computing, 2019, 22, 1253-1282.	3.5	64
7	Behavioral modeling and automated verification of a Cloud-based framework to share the knowledge and skills of human resources. Computers in Industry, 2015, 68, 65-77.	5.7	60
8	Secure data aggregation methods and countermeasures against various attacks in wireless sensor networks: A comprehensive review. Journal of Network and Computer Applications, 2021, 190, 103118.	5.8	58
9	A Systematic Study on the Recommender Systems in the E-Commerce. IEEE Access, 2020, 8, 115694-115716.	2.6	55
10	Job scheduling in the Expert Cloud based on genetic algorithms. Kybernetes, 2014, 43, 1262-1275.	1.2	51
11	Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study. Injury Prevention, 2020, 26, i125-i153.	1.2	44
12	Machine Learning (ML) in Medicine: Review, Applications, and Challenges. Mathematics, 2021, 9, 2970.	1.1	44
13	A Hybrid Service Selection and Composition Model for Cloud-Edge Computing in the Internet of Things. IEEE Access, 2020, 8, 85939-85949.	2.6	43
14	Expert Grid: New Type of Grid to Manage the Human Resources and Study the Effectiveness of Its Task Scheduler. Arabian Journal for Science and Engineering, 2014, 39, 6175-6188.	1.1	40
15	Detection and Elimination of Spyware and Ransomware by Intercepting Kernel-Level System Routines. IEEE Access, 2018, 6, 78321-78332.	2.6	40
16	A New Preventive Routing Method Based on Clustering and Location Prediction in the Mobile Internet of Things. IEEE Internet of Things Journal, 2021, 8, 10652-10664.	5.5	39
17	A Lightweight Defense Approach to Mitigate Version Number and Rank Attacks in Low-Power and Lossy Networks. Wireless Personal Communications, 2018, 99, 1035-1059.	1.8	36
18	Natureâ€inspired metaâ€heuristic algorithms for solving the load balancing problem in the softwareâ€defined network. International Journal of Communication Systems, 2019, 32, e3875.	1.6	36

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19	A diagnostic prediction model for chronic kidney disease in internet of things platform. Multimedia Tools and Applications, 2021, 80, 16933-16950.	2.6	35
20	A Priority-Based MAC Protocol for Energy Consumption and Delay Guaranteed in Wireless Body Area Networks. Wireless Personal Communications, 2019, 108, 1677-1696.	1.8	34
21	Highly reliable architecture using the 80/20 rule in cloud computing datacenters. Future Generation Computer Systems, 2017, 77, 77-86.	4.9	33
22	An Energy-Aware and Predictive Fuzzy Logic-Based Routing Scheme in Flying Ad Hoc Networks (FANETs). IEEE Access, 2021, 9, 129977-130005.	2.6	33
23	An energy-aware and Q-learning-based area coverage for oil pipeline monitoring systems using sensors and Internet of Things. Scientific Reports, 2022, 12, .	1.6	32
24	A new clustering-based routing method in the mobile internet of things using a krill herd algorithm. Cluster Computing, 2022, 25, 351-361.	3.5	28
25	Using differential evolution and Mothâ€“Flame optimization for scientific workflow scheduling in fog computing. Applied Soft Computing Journal, 2021, 112, 107744.	4.1	28
26	Probabilistic modeling to achieve load balancing in Expert Clouds. Ad Hoc Networks, 2017, 59, 12-23.	3.4	27
27	Priority-based task scheduling method over cloudlet using a swarm intelligence algorithm. Cluster Computing, 2020, 23, 663-671.	3.5	24
28	Midpoint Memory: A Special Memory Structure for Data-Oriented Models Implementation. Journal of Circuits, Systems and Computers, 2015, 24, 1550063.	1.0	23
29	Query optimization mechanisms in the cloud environments: A systematic study. International Journal of Communication Systems, 2019, 32, e3940.	1.6	22
30	An Enhanced Authentication Protocol for RFID Systems. IEEE Access, 2020, 8, 126977-126987.	2.6	22
31	A Novel Method for Detecting Future Generations of Targeted and Metamorphic Malware Based on Genetic Algorithm. IEEE Access, 2021, 9, 69951-69970.	2.6	22
32	Towards Data and Computation Offloading in Mobile Cloud Computing: Taxonomy, Overview, and Future Directions. Wireless Personal Communications, 2021, 119, 147-185.	1.8	22
33	An energy-aware clustering method in the IoT using a swarm-based algorithm. Wireless Networks, 2022, 28, 125-136.	2.0	22
34	Comprehensive and Systematic Study on the Fault Tolerance Architectures in Cloud Computing. Journal of Circuits, Systems and Computers, 2020, 29, 2050240.	1.0	21
35	An efficient automated incremental density-based algorithm for clustering and classification. Future Generation Computer Systems, 2021, 114, 665-678.	4.9	21
36	Reverse Converter Design via Parallel-Prefix Adders: Novel Components, Methodology, and Implementations. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2015, 23, 374-378.	2.1	20

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37	An Author Gender Detection Method Using Whale Optimization Algorithm and Artificial Neural Network. IEEE Access, 2020, 8, 48428-48437.	2.6	19
38	An Area Coverage Scheme Based on Fuzzy Logic and Shuffled Frog-Leaping Algorithm (SFLA) in Heterogeneous Wireless Sensor Networks. Mathematics, 2021, 9, 2251.	1.1	19
39	Formal Verification of a Hybrid Machine Learning-Based Fault Prediction Model in Internet of Things Applications. IEEE Access, 2020, 8, 23863-23874.	2.6	18
40	The Novel Energy Adaptive Protocol for heterogeneous wireless sensor networks. , 2010, , .		17
41	Clustered Routing Method in the Internet of Things Using a Mothâ€Flame Optimization Algorithm. International Journal of Communication Systems, 2021, 34, e4964.	1.6	17
42	E-Learning Development Based on Internet of Things and Blockchain Technology during COVID-19 Pandemic. Mathematics, 2021, 9, 3151.	1.1	17
43	A Novel Lightweight Block Cipher-Based Mutual Authentication Protocol for Constrained Environments. IEEE Access, 2020, 8, 165536-165550.	2.6	16
44	Energyâ€aware dynamicâ€link load balancing method for a softwareâ€defined network using a multiâ€objective artificial bee colony algorithm and genetic operators. IET Communications, 2020, 14, 3284-3293.	1.5	15
45	Deterministic and nonâ€deterministic query optimization techniques in the cloud computing. Concurrency Computation Practice and Experience, 2019, 31, e5240.	1.4	14
46	An automatic clustering technique for query plan recommendation. Information Sciences, 2021, 545, 620-632.	4.0	14
47	A New Strong Adversary Model for RFID Authentication Protocols. IEEE Access, 2020, 8, 125029-125045.	2.6	12
48	Reliable communications in optical network-on-chip by use of fault tolerance approaches. Optik, 2017, 137, 186-194.	1.4	10
49	A New Certificateless and Secure Authentication Scheme for Ad hoc Networks. Wireless Personal Communications, 2017, 94, 2833-2851.	1.8	10
50	Predicting the environmental suitability for onchocerciasis in Africa as an aid to elimination planning. PLoS Neglected Tropical Diseases, 2021, 15, e0008824.	1.3	10
51	All optical residue arithmetic with micro ring resonators and its application. Optical and Quantum Electronics, 2016, 48, 1.	1.5	9
52	Optimized fuzzy clustering using moth-flame optimization algorithm in wireless sensor networks. Artificial Intelligence Review, 2022, 55, 1915-1945.	9.7	9
53	An Efficient Component for Designing Signed Reverse Converters for a Class of RNS Moduli Sets of Composite Form ${2^{k}, 2^{P}-1}$. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2017, 25, 48-59.	2.1	8
54	A Framework for Recognition and Confronting of Obfuscated Malwares Based on Memory Dumping and Filter Drivers. Wireless Personal Communications, 2018, 98, 119-137.	1.8	8

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55	Design and simulation of QCA-based 3-bit binary to gray and vice versa code converter in reversible and non-reversible mode. Optik, 2022, 251, 168464.	1.4	8
56	A new model for analyzing the role of new ICT-based technologies on the success of employees' learning programs. Kybernetes, 2022, 51, 2156-2171.	1.2	7
57	AMAPG: Advanced Mobile Authentication Protocol for GLOMONET. IEEE Access, 2021, 9, 88256-88271.	2.6	7
58	Fault-Tolerant Load Balancing in Cloud Computing: A Systematic Literature Review. IEEE Access, 2022, 10, 12714-12731.	2.6	7
59	BCmECC: A Lightweight Blockchain-Based Authentication and Key Agreement Protocol for Internet of Things. Mathematics, 2021, 9, 3241.	1.1	7
60	Cloud dependability analysis: Characterizing Google cluster infrastructure reliability. , 2017, , .		6
61	Dependability analysis for characterizing Google cluster reliability. International Journal of Communication Systems, 2019, 32, e4127.	1.6	6
62	Efficient techniques for fault detection and location of multiple controlled Toffoli-based reversible circuit. Quantum Information Processing, 2021, 20, 1.	1.0	6
63	Cloud healthcare services: A comprehensive and systematic literature review. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	2.6	6
64	Federated learningâ€based IoT: A systematic literature review. International Journal of Communication Systems, 2022, 35, .	1.6	6
65	Efficient Reverse Converters for 4-Moduli Sets {2 $$^{2n-1}-1$$ 2 n - 1 - 1 , 2 ^{n} n , 2 $$^{n}+1$$ n + 1 , 2 $$^{n}-1$$ n - 1 } and {2 $$^{2n-1}$$ 2 n - 1 , 2 $$^{2n-1}-1$$ 2 n - 1 - 1 , 2 $$^{n}+1$$ n + 1 , 2 $$^{n}-1$$ n - 1 } Based on CRTs Algorithm. Circuits, Systems, and Signal Processing, 2014, 33, 3145-3163.	1.2	5
66	The impact of knowledge on e-health: a systematic literature review of the advanced systems. Kybernetes, 2021, 50, 1506-1520.	1.2	5
67	Data cleansing mechanisms and approaches for big data analytics: a systematic study. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 99-111.	3.3	5
68	A high-speed Residue Number comparator For the 3-Moduli Set {2ⁿ−1, 2 ⁿ+1, 2 ⁿ+3}. , 2010, , .		4
69	On the security of an RFIDâ€based parking lot management system. International Journal of Communication Systems, 2017, 30, e3313.	1.6	4
70	An intelligent algorithm to recommend percent vegetation cover (ARVC) for PM2.5 reduction. Air Quality, Atmosphere and Health, 2020, 13, 859-870.	1.5	4
71	Questioning the Security of Three Recent Authentication and Key Agreement Protocols. IEEE Access, 2021, 9, 98204-98217.	2.6	4
72	Image-based Product Recommendation Method for E-commerce Applications Using Convolutional Neural Networks. Acta Informatica Pragensia, 2022, 11, 15-35.	0.7	4

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73	Efficient RNS Converter via Two-Part RNS. Journal of Circuits, Systems and Computers, 2015, 24, 1550016.	1.0	3
74	A secure search protocol for lightweight and low-cost RFID systems. Telecommunication Systems, 2018, 67, 539-552.	1.6	3
75	A Hybrid Protocol for Energy Management in Wireless Body Area Networks. Wireless Personal Communications, 2021, 121, 2973.	1.8	3
76	Join queries optimization in the distributed databases using a hybrid multi-objective algorithm. Cluster Computing, 2022, 25, 2021-2036.	3.5	3
77	On the (Im)Possibility of Receiving Security Beyond 2 l Using an l-Bit PRNG. Wireless Personal Communications, 2017, 92, 1591-1597.	1.8	2
78	Unital Design Based Sink Location Service for Wireless Sensor Networks. IEEE Access, 2018, 6, 28733-28745.	2.6	2
79	A technique for parallel query optimization using MapReduce framework and a semantic-based clustering method. PeerJ Computer Science, 2021, 7, e580.	2.7	2
80	High-performance and low-energy approximate full adder design for error-resilient image processing. International Journal of Electronics, 2022, 109, 1059-1079.	0.9	1
81	An Astrocyte-Flow Mapping on a Mesh-Based Communication Infrastructure to Defective Neurons Phagocytosis. Mathematics, 2021, 9, 3012.	1.1	1
82	Artificial intelligence empowered threat detection in the Internet of Things: A systematic review. Concurrency Computation Practice and Experience, 2022, 34, .	1.4	1
83	Quasi-Mapping and Satisfying IoT Availability with a Penalty-Based Algorithm. Mathematics, 2021, 9, 3286.	1.1	1
84	A New Combination Method for Improving Parallelism in Two- and Three-level Perfect Nested Loops. IEEE Access, 2022, , 1-1.	2.6	1
85	Rethinking reverse converter design: From algorithms to hardware components. , 2014, , .		0
86	Area-delay-power-aware adder placement method for RNS reverse converter design. , 2016, , .		0
87	A Novel Key Pre-Distribution Scheme for Wireless Sensor Networks. Journal of Computational and Theoretical Nanoscience, 2016, 13, 1051-1054.	0.4	0
88	Proposing Two Hybrid Data Mining Models for Discovering Students' Mental Health Problems. Acta Informatica Pragensia, 2021, 10, 85-107.	0.7	0