Nima Jafari Navimipour

List of Publications by Year
in descending order

95 papers	**5,637** citations	50170 **46** h-index

82410 **72** g-index

98 all docs	**98** docs citations	**98** times ranked	**3494** citing authors

#	Article	IF	Citations
1	A Fault-Tolerance Nanoscale Design for Binary-to-Gray Converter based on QCA. IETE Journal of Research, 2023, 69, 2991-2998.	1.8	22
2	The role of an ant colony optimisation algorithm in solving the major issues of the cloud computing. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 755-790.	1.8	6
3	A new coplanar design of a 4â€bit ripple carry adder based on quantumâ€dot cellular automata technology. IET Circuits, Devices and Systems, 2022, 16, 64-70.	0.9	15
4	A Fuzzy Logic-Based Method for Replica Placement in the Peer to Peer Cloud Using an Optimization Algorithm. Wireless Personal Communications, 2022, 122, 981-1005.	1.8	5
5	An in-depth and systematic literature review on the blockchain-based approaches for cloud computing. Cluster Computing, 2022, 25, 383-400.	3.5	20
6	Designing a multiâ€layer fullâ€adder using a new threeâ€input majority gate based on quantum computing. Concurrency Computation Practice and Experience, 2022, 34, e6653.	1.4	15
7	An energy-aware clustering method in the IoT using a swarm-based algorithm. Wireless Networks, 2022, 28, 125-136.	2.0	22
8	Join queries optimization in the distributed databases using a hybrid multi-objective algorithm. Cluster Computing, 2022, 25, 2021-2036.	3.5	3
9	Image-based Product Recommendation Method for E-commerce Applications Using Convolutional Neural Networks. Acta Informatica Pragensia, 2022, 11, 15-35.	0.7	4
10	Cloud healthcare services: A comprehensive and systematic literature review. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	2.6	6
11	An automatic clustering technique for query plan recommendation. Information Sciences, 2021, 545, 620-632.	4.0	14
12	A New Design of a Carry-Save Adder Based on Quantum-Dot Cellular Automata. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2021, 45, 993-999.	1.5	12
13	A new SLA-aware method for discovering the cloud services using an improved nature-inspired optimization algorithm. PeerJ Computer Science, 2021, 7, e539.	2.7	33
14	A New Cost-Efficient Design of a Reversible Gate Based on a Nano-Scale Quantum-Dot Cellular Automata Technology. Electronics (Switzerland), 2021, 10, 1806.	1.8	21
15	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
16	A QoS-Aware Service Composition Mechanism in the Internet of Things Using a Hidden-Markov-Model-Based Optimization Algorithm. IEEE Internet of Things Journal, 2021, 8, 15620-15627.	5.5	67
17	Designing a three-level full-adder based on nano-scale quantum dot cellular automata. Photonic Network Communications, 2021, 42, 184-193.	1.4	17
18	Design and Analysis of Fault-Tolerant 1:2 Demultiplexer Using Quantum-Dot Cellular Automata Nano-Technology. Electronics (Switzerland), 2021, 10, 2565.	1.8	9

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19	The role of structured and unstructured data managing mechanisms in the Internet of things. Cluster Computing, 2020, 23, 1185-1198.	3.5	38
20	A systematic study on meta-heuristic approaches for solving the graph coloring problem. Computers and Operations Research, 2020, 120, 104850.	2.4	29
21	A cloud service composition method using a trust-based clustering algorithm and honeybee mating optimization algorithm. International Journal of Communication Systems, 2020, 33, e4259.	1.6	35
22	A Systematic Study on the Recommender Systems in the E-Commerce. IEEE Access, 2020, 8, 115694-115716.	2.6	55
23	Comprehensive and Systematic Study on the Fault Tolerance Architectures in Cloud Computing. Journal of Circuits, Systems and Computers, 2020, 29, 2050240.	1.0	21
24	Internet of Things offloading: Ongoing issues, opportunities, and future challenges. International Journal of Communication Systems, 2020, 33, e4474.	1.6	56
25	Quality of service-aware approaches in fog computing. International Journal of Communication Systems, 2020, 33, e4340.	1.6	68
26	Integration of Internet of Things and cloud computing: a systematic survey. IET Communications, 2020, 14, 165-176.	1.5	45
27	Intrusion detection for cloud computing using neural networks and artificial bee colony optimization algorithm. ICT Express, 2019, 5, 56-59.	3.3	143
28	A Comprehensive Study on the Trust Management Techniques in the Internet of Things. IEEE Internet of Things Journal, 2019, 6, 9326-9337.	5.5	93
29	Data replication mechanisms in the peer-to-peer networks. International Journal of Communication Systems, 2019, 32, e3996.	1.6	11
30	Resource allocation mechanisms and approaches on the Internet of Things. Cluster Computing, 2019, 22, 1253-1282.	3.5	64
31	Intrusion detection systems in the Internet of things: A comprehensive investigation. Computer Networks, 2019, 160, 165-191.	3.2	133
32	Deterministic and non-deterministic query optimization techniques in the cloud computing. Concurrency Computation Practice and Experience, 2019, 31, e5240.	1.4	14
33	Query optimization mechanisms in the cloud environments: A systematic study. International Journal of Communication Systems, 2019, 32, e3940.	1.6	22
34	Join query optimization in the distributed database system using an artificial bee colony algorithm and genetic operators. Concurrency Computation Practice and Experience, 2019, 31, e5218.	1.4	34
35	Designing an efficient fault tolerance D-latch based on quantum-dot cellular automata nanotechnology. Optik, 2019, 185, 827-837.	1.4	38
36	New Design of a 4-Bit Ripple Carry Adder on a Nano-Scale Quantum-Dot Cellular Automata. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2019, 74, 494-501.	0.1	17

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37	An energyâ€aware method for data replication in the cloud environments using a Tabu search and particle swarm optimization algorithm. Concurrency Computation Practice and Experience, 2019, 31, e4757.	1.4	69
38	A taxonomy of software-based and hardware-based approaches for energy efficiency management in the Hadoop. Journal of Network and Computer Applications, 2019, 126, 162-177.	5.8	34
39	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
40	Towards efficient data collection mechanisms in the vehicular ad hoc networks. International Journal of Communication Systems, 2019, 32, e3893.	1.6	31
41	Design of a loop-based random access memory based on the nanoscale quantum dot cellular automata. Photonic Network Communications, 2019, 37, 120-130.	1.4	58
42	A new agent-based method for QoS-aware cloud service composition using particle swarm optimization algorithm. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 1851-1864.	3.3	110
43	Resource discovery in the peer to peer networks using an inverted ant colony optimization algorithm. Peer-to-Peer Networking and Applications, 2019, 12, 129-142.	2.6	38
44	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
45	Big data handling mechanisms in the healthcare applications: A comprehensive and systematic literature review. Journal of Biomedical Informatics, 2018, 82, 47-62.	2.5	76
46	Design and evaluation of a new structure for fault-tolerance full-adder based on quantum-dot cellular automata. Nano Communication Networks, 2018, 16, 1-9.	1.6	59
47	Quantum-Dot Cellular Automata in Designing the Arithmetic and Logic Unit: Systematic Literature Review, Classification and Current Trends. Journal of Circuits, Systems and Computers, 2018, 27, 1830005.	1.0	17
48	Designing a 2-to-4 decoder on nanoscale based on quantum-dot cellular automata for energy dissipation improving. Optik, 2018, 158, 477-489.	1.4	42
49	An optimized design of full adder based on nanoscale quantum-dot cellular automata. Optik, 2018, 158, 243-256.	1.4	55
50	Designing Nanoscale Counter Using Reversible Gate Based on Quantum-Dot Cellular Automata. International Journal of Theoretical Physics, 2018, 57, 1060-1081.	0.5	28
51	An Optimized Three-Level Design of Decoder Based on Nanoscale Quantum-Dot Cellular Automata. International Journal of Theoretical Physics, 2018, 57, 2022-2033.	0.5	20
52	Auctionâ€based resource allocation mechanisms in the cloud environments: A review of the literature and reflection on future challenges. Concurrency Computation Practice and Experience, 2018, 30, e4456.	1.4	35
53	Cloud computing and trust evaluation: A systematic literature review of the state-of-the-art mechanisms. Journal of Electrical Systems and Information Technology, 2018, 5, 608-622.	1.2	52
54	A hybrid particle swarm optimization and hill climbing algorithm for task scheduling in the cloud environments. ICT Express, 2018, 4, 199-202.	3.3	48

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55	Formal verification approaches and standards in the cloud computing: A comprehensive and systematic review. Computer Standards and Interfaces, 2018, 58, 1-22.	3.8	84
56	A new three-level fault tolerance arithmetic and logic unit based on quantum dot cellular automata. Microsystem Technologies, 2018, 24, 1295-1305.	1.2	36
57	The impact of the customer relationship management on the organization performance. Journal of High Technology Management Research, 2018, 29, 237-246.	2.7	69
58	Formal verification approaches in the web service composition: A comprehensive analysis of the current challenges for future research. International Journal of Communication Systems, 2018, 31, e3808.	1.6	39
59	Nature inspired meta‐heuristic algorithms for solving the service composition problem in the cloud environments. International Journal of Communication Systems, 2018, 31, e3708.	1.6	51
60	Fault-Tolerant Design of a Shift Register at the Nanoscale Based on Quantum-dot Cellular Automata. International Journal of Theoretical Physics, 2018, 57, 2598-2614.	0.5	17
61	Toward Efficient Service Composition Techniques in the Internet of Things. IEEE Internet of Things Journal, 2018, 5, 3774-3787.	5.5	84
62	A model for examining the role of effective factors on the performance of organizations. Technology in Society, 2018, 55, 166-174.	4.8	30
63	Comprehensive and systematic review of the service composition mechanisms in the cloud environments. Journal of Network and Computer Applications, 2017, 81, 24-36.	5.8	118
64	Service allocation in the cloud environments using multi-objective particle swarm optimization algorithm based on crowding distance. Swarm and Evolutionary Computation, 2017, 35, 53-64.	4.5	86
65	A comprehensive study of the trust evaluation mechanisms in the cloud computing. Journal of Service Science Research, 2017, 9, 1-30.	0.8	43
66	Memory Designing Using Quantum-Dot Cellular Automata: Systematic Literature Review, Classification and Current Trends. Journal of Circuits, Systems and Computers, 2017, 26, 1730004.	1.0	54
67	Resources discovery in the cloud environments using collaborative filtering and ontology relations. Electronic Commerce Research and Applications, 2017, 26, 89-100.	2.5	15
68	Data aggregation mechanisms in the Internet of things: A systematic review of the literature and recommendations for future research. Journal of Network and Computer Applications, 2017, 97, 23-34.	5.8	171
69	MapReduce and Its Applications, Challenges, and Architecture: a Comprehensive Review and Directions for Future Research. Journal of Grid Computing, 2017, 15, 295-321.	2.5	50
70	Disease genes prioritizing mechanisms: a comprehensive and systematic literature review. Network Modeling Analysis in Health Informatics and Bioinformatics, 2017, 6, 1.	1.2	16
71	A Systematic Literature Review of the Data Replication Techniques in the Cloud Environments. Big Data Research, 2017, 10, 1-7.	2.6	42
72	Cloud services recommendation: Reviewing the recent advances and suggesting the future research directions. Journal of Network and Computer Applications, 2017, 77, 73-86.	5.8	98

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73	Deployment Strategies in the Wireless Sensor Networks: Systematic Literature Review, Classification, and Current Trends. Wireless Personal Communications, 2017, 95, 819-846.	1.8	89
74	An improved genetic algorithm for task scheduling in the cloud environments using the priority queues: Formal verification, simulation, and statistical testing. Journal of Systems and Software, 2017, 124, 1-21.	3.3	246
75	Priority-Based Task Scheduling in the Cloud Systems Using a Memetic Algorithm. Journal of Circuits, Systems and Computers, 2016, 25, 1650119.	1.0	48
76	Customer relationship management mechanisms: A systematic review of the state of the art literature and recommendations for future research. Computers in Human Behavior, 2016, 61, 667-688.	5.1	159
77	The effect of electronic learning systems on the employee's commitment. International Journal of Management Education, 2016, 14, 167-175.	2.2	40
78	Opinion leaders selection in the social networks based on trust relationships propagation. Karbala International Journal of Modern Science, 2016, 2, 88-97.	0.5	67
79	Knowledge sharing mechanisms and techniques in project teams: Literature review, classification, and current trends. Computers in Human Behavior, 2016, 62, 730-742.	5.1	169
80	Trusted services identification in the cloud environment using the topological metrics. Karbala International Journal of Modern Science, 2016, 2, 203-210.	0.5	43
81	Deployment strategies in the wireless sensor network: A comprehensive review. Computer Communications, 2016, 91-92, 1-16.	3.1	133
82	Load balancing mechanisms and techniques in the cloud environments: Systematic literature review and future trends. Journal of Network and Computer Applications, 2016, 71, 86-98.	5.8	180
83	Online knowledge sharing mechanisms: a systematic review of the state of the art literature and recommendations for future research. Information Systems Frontiers, 2016, 18, 1131-1151.	4.1	130
84	The impact of electronic environmental knowledge on the environmental behaviors of people. Computers in Human Behavior, 2016, 59, 1-8.	5.1	106
85	A comprehensive review of the data replication techniques in the cloud environments: Major trends and future directions. Journal of Network and Computer Applications, 2016, 64, 229-238.	5.8	121
86	A new method for trust and reputation evaluation in the cloud environments using the recommendations of opinion leaders' entities and removing the effect of troll entities. Computers in Human Behavior, 2016, 60, 280-292.	5.1	94
87	The impact of cost, technology acceptance and employees' satisfaction on the effectiveness of the electronic customer relationship management systems. Computers in Human Behavior, 2016, 55, 1052-1066.	5.1	106
88	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
89	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
90	A model for assessing the impact of e-learning systems on employees' satisfaction. Computers in Human Behavior, 2015, 53, 475-485.	5.1	147

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91	A formal approach for the specification and verification of a Trustworthy Human Resource Discovery mechanism in the Expert Cloud. Expert Systems With Applications, 2015, 42, 6112-6131.	4.4	58
92	A comprehensive study of the resource discovery techniques in Peer-to-Peer networks. Peer-to-Peer Networking and Applications, 2015, 8, 474-492.	2.6	70
93	Resource discovery mechanisms in grid systems: A survey. Journal of Network and Computer Applications, 2014, 41, 389-410.	5.8	73
94	Behavioral modeling and formal verification of a resource discovery approach in Grid computing. Expert Systems With Applications, 2014, 41, 3831-3849.	4.4	67
95	Using Labeled Hyper Multi Digraph for Tabriz Traffic Modeling Data-Oriented Approach. Journal of Applied Sciences, 2009, 9, 2808-2814.	0.1	12