Mukesh Singhal

List of Publications by Year
in descending order

38 papers	569 citations	686830 13 h-index	676716 22 g-index
38 all docs	38 docs citations	38 times ranked	648 citing authors

#	ARTICLE	IF	CITATIONS
1	Collaboration in multicloud computing environments: Framework and security issues. Computer, 2013, 46, 76-84.	1.2	96
2	Security in wireless sensor networks. Wireless Communications and Mobile Computing, 2008, 8, 1-24.	0.8	86
3	An efficient routing algorithm to preserve k -coverage in wireless sensor networks. Journal of Supercomputing, 2014, 68, 599-623.	2.4	62
4	A Fault-Tolerant Distributed Channel Allocation Scheme for Cellular Networks. IEEE Transactions on Computers, 2005, 54, 616-629.	2.4	40
5	Improving Channel Assignment in Multi-radio Wireless Mesh Networks with Learning Automata. Wireless Personal Communications, 2015, 82, 61-80.	1.8	31
6	Barrier coverage of WSNs with the imperialist competitive algorithm. Journal of Supercomputing, 2017, 73, 4957-4980.	2.4	24
7	K-means tree: an optimal clustering tree for unsupervised learning. Journal of Supercomputing, 2021, 77, 5239-5266.	2.4	22
8	A limited-trust capacity model for mitigating threats of internal malicious services in cloud computing. Cluster Computing, 2016, 19, 647-662.	3.5	18
9	Efficient and Scalable Query Authentication for Cloud-Based Storage Systems with Multiple Data Sources. IEEE Transactions on Services Computing, 2017, 10, 520-533.	3.2	16
10	PGSW-OS: a novel approach for resource management in a semantic web operating system based on a P2P grid architecture. Journal of Supercomputing, 2014, 69, 955-975.	2.4	15
11	A novel access control protocol using proxy signatures for cloud-based health information exchange. Computers and Security, 2017, 67, 73-88.	4.0	15
12	Active Learning of Reward Dynamics from Hierarchical Queries. , 2019, , .		14
13	A comparative experimental evaluation study of intrusion detection system performance in a gigabit environment. Journal of Computer Security, 2003, 11, 1-33.	0.5	13
14	ALATO: An efficient intelligent algorithm for time optimization in an economic grid based on adaptive stochastic Petri net. Journal of Intelligent Manufacturing, 2015, 26, 641-658.	4.4	13
15	Nitrogen dioxide and asthma emergency department visits in California, USA during cold season (November to February) of 2005 to 2015: A time-stratified case-crossover analysis. Science of the Total Environment, 2021, 754, 142089.	3.9	13
16	A hybrid scheduling platform: a runtime prediction reliability aware scheduling platform to improve HPC scheduling performance. Journal of Supercomputing, 2020, 76, 122-149.	2.4	10
17	Scheduling jobs with non-uniform demands on multiple servers without interruption. , 2016, , .		9
18	Interpretable Synthetic Reduced Nearest Neighbor: An Expectation Maximization Approach. , 2020, , .		9

#	Article	IF	Citations
19	A multi-pollutant model: a method suitable for studying complex relationships in environmental epidemiology. Air Quality, Atmosphere and Health, 2020, 13, 645-657.	1.5	9
20	Mobile Ad Hoc and Sensor Systems. International Journal of Wireless Information Networks, 2006, 13, 261-262.	1.8	8
21	Adaptive Online Runtime Prediction to Improve HPC Applications Latency in Cloud. , 2018, , .		8
22	Design of an architecture for multiple security levels in wireless sensor networks. , 2010, , .		6
23	Carpooling in Mobile Ad Hoc Networks: the Case of Multiple-Target Route Discovery. , 2007, , .		5
24	Efficient distributed snapshots in an anonymous asynchronous message-passing system. Journal of Parallel and Distributed Computing, 2013, 73, 621-629.	2.7	5
25	Authenticating Feedback in Multicast Applications Using a Novel Multisignature Scheme Based on Cubic LFSR Sequences. , 2007, , .		4
26	ABRP: Anchor-based Routing Protocol for Mobile Ad Hoc Networks. Wireless Personal Communications, 2007, 42, 277-300.	1.8	4
27	A light-weight solution for selfish nodes problem considering battery status in wireless ad-hoc networks. , 0, , .		3
28	A Key Establishment Protocol for Bluetooth Scatternets. , 0, , .		2
29	Efficient Blind Signatures for Accountability. , 2007, , .		2
30	Optimization of Hierarchical Regression Model with Application to Optimizing Multi-Response Regression K-ary Trees. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5133-5142.	3.6	2
31	An EM-based optimization of synthetic reduced nearest neighbor model towards multiple modalities representation with human interpretability. Multimedia Tools and Applications, 2022, 81, 41697-41710.	2.6	2
32	A Secure Position-Based Protocol Framework for Multi-hop Ad-Hoc Networks. , 2007, , .		1
33	Route Discovery in Mobile Ad Hoc Networks: From Unilaterality to Bilaterality. , 2007, , .		1
34	Towards Energy-Fairness in LoRa Networks. IEEE Transactions on Mobile Computing, 2022, , 1-1.	3.9	1
35	An Edge Constrained Localized Delaunay Graph for Geographic Routing in Mobile Ad Hoc Networks. , 2007, , .		0
36	Efficient Proxy Signatures For Ubiquitous Computing. , 2008, , .		0

#	Article	IF	Citations
37	Recent results in checkpointing and failure recovery in distributed systems and wireless networks. , 2010, , .		0
38	Multi-Stage Gaussian Noise Reduction with Recurrent Neural Networks. , 2021, , .		0