Siddhartha Chauhan

List of Publications by Year
in descending order

36 papers	516 citations	687363 13 h-index	713466 21 g-index
37 all docs	37 docs citations	37 times ranked	350 citing authors

#	Article	IF	Citations
1	A novel approach for mitigating gray hole attack in MANET. Wireless Networks, 2018, 24, 565-579.	3.0	46
2	A Survey on Scheduling Algorithms for Wireless Sensor Networks. International Journal of Computer Applications, 2011, 20, 7-13.	0.2	44
3	Performance analysis of black-hole attack mitigation protocols under gray-hole attacks in MANET. Wireless Networks, 2019, 25, 975-988.	3.0	38
4	Particle swarm optimization-based energy efficient clustering protocol in wireless sensor network. Neural Computing and Applications, 2021, 33, 14147-14165.	5.6	38
5	A distributed reinforcement learning based sensor node scheduling algorithm for coverage and connectivity maintenance in wireless sensor network. Wireless Networks, 2020, 26, 4411-4429.	3.0	37
6	Energy-Efficient Clusterhead Selection Scheme in Heterogeneous Wireless Sensor Network. Journal of Circuits, Systems and Computers, 2020, 29, 2050204.	1.5	34
7	Probability based cluster routing protocol for wireless sensor network. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 2065-2077.	4.9	28
8	A survey of black-hole attack mitigation techniques in MANET: merits, drawbacks, and suitability. Wireless Networks, 2020, 26, 1981-2011.	3.0	27
9	A dynamic threshold based approach for mitigating black-hole attack in MANET. Wireless Networks, 2018, 24, 2957-2971.	3.0	26
10	A novel approach for mitigating route request flooding attack in MANET. Wireless Networks, 2018, 24, 2899-2914.	3.0	25
11	A Novel Heterogeneous Clustering Protocol for Lifetime Maximization of Wireless Sensor Network. Wireless Personal Communications, 2021, 117, 825-841.	2.7	24
12	A dynamic threshold based algorithm for improving security and performance of AODV under black-hole attack in MANET. Wireless Networks, 2019, 25, 1685-1695.	3.0	20
13	Sensor Fusion for Distributed Detection of Mobile Intruders in Surveillance Wireless Sensor Networks. IEEE Sensors Journal, 2020, 20, 15224-15231.	4.7	18
14	Particle swarm optimization based sleep scheduling and clustering protocol in wireless sensor network. Peer-to-Peer Networking and Applications, 2022, 15, 1417-1436.	3.9	13
15	A review of black-hole attack mitigation techniques and its drawbacks in Mobile Ad-hoc Network. , 2017, , .		10
16	Energy-Efficient and Reliable Routing Protocol for Wireless Sensor Networks. International Journal of Computer Applications, 2012, 43, 33-37.	0.2	10
17	Energy Efficient Clustering in Heterogeneous Environment. , 2018, , .		9
18	A Novel Cluster Head Selection and Data Aggregation Protocol for Heterogeneous Wireless Sensor Network. Arabian Journal for Science and Engineering, 2022, 47, 1971-1986.	3.0	9

#	Article	IF	Citations
19	Performance Analysis of RN-LEACH Protocol over LEACH Protocol. International Journal of Future Generation Communication and Networking, 2018, 11, 1-10.	0.7	8
20	A survey on clustering protocols in wireless sensor network: taxonomy, comparison, and future scope. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 1543-1589.	4.9	7
21	Target coverage computation protocols in wireless sensor networks: a comprehensive review. International Journal of Computers and Applications, 0, , 1-23.	1.3	6
22	Performance Analysis of RNC Clustering Protocol in Wireless Sensor Network. International Journal of Sensors, Wireless Communications and Control, 2020, 10, 957-966.	0.7	6
23	Analysis and Simulation of Second-Order Statistics with Modified Characteristic Function Parameters in a Multipath Fading Environment. Wireless Personal Communications, 2018, 100, 851-862.	2.7	5
24	A Novel Area Coverage Technique for Maximizing the Wireless Sensor Network Lifetime. Arabian Journal for Science and Engineering, 2021, 46, 3329-3343.	3.0	5
25	Adaptive Time Synchronization for Homogeneous WSNs. International Journal of Engineering Business Management, 2012, 4, 21.	3.7	3
26	Effect of Matrix Partitioning on Second Order Statistics of Fading Channels. Wireless Personal Communications, 2018, 100, 863-875.	2.7	2
27	Study on temperature $$(au)$$ variation for SimCLR-based activity recognition. Signal, Image and Video Processing, 0, , 1.	2.7	2
28	Reinforcement Learning-Based Technique to Restore Coverage Holes with Minimal Coverage Overlap in Wireless Sensor Networks. Arabian Journal for Science and Engineering, 2022, 47, 10847-10863.	3.0	2
29	Energy efficient protocol for providing QoS for Wireless Sensor Network. , 2010, , .		1
30	An energy efficient cycle stealing algorithm for best effort services in wireless sensor networks. International Journal of Communication Networks and Distributed Systems, 2014, 12, 275.	0.4	1
31	Statistical Approach for Performance Analysis of Multipath Scattering Environment. Wireless Personal Communications, 2018, 98, 743-757.	2.7	1
32	Cluster Head Failure Detection and Correction Algorithm for WSN. , 2018, , .		1
33	Improving bounds on outage probability in correlated Rayleigh fading environment. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	1.3	1
34	Partly Centralized Partly Distributed Energy Efficient Sleep/Wake Scheduling in Wireless Sensor Networks for Applications Requiring Continuous Sensing. IETE Technical Review (Institution of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13	0.2	1
35	Analysing Outage Probability and Diversity for Matrix Based Shadowed Attenuation in Multipath Fading Environment. Wireless Personal Communications, 2021, 117, 1797-1814.	2.7	0
36	Analytic evaluation of non-uniformities for coverage probability computation of randomly deployed wireless sensor network. International Journal of Sensor Networks, 2020, 34, 1.	0.4	0