

Siddhartha Chauhan

List of Publications by Year in descending order

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Version: 2024-02-01

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 survey on clustering protocols in wireless sensor network: taxonomy, comparison, and future scope. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 1543-1589.	4.9	7
2	A Novel Cluster Head Selection and Data Aggregation Protocol for Heterogeneous Wireless Sensor Network. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 1971-1986.	3.0	9
3	Particle swarm optimization based sleep scheduling and clustering protocol in wireless sensor network. <i>Peer-to-Peer Networking and Applications</i> , 2022, 15, 1417-1436.	3.9	13
4	Reinforcement Learning-Based Technique to Restore Coverage Holes with Minimal Coverage Overlap in Wireless Sensor Networks. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 10847-10863.	3.0	2
5	Probability based cluster routing protocol for wireless sensor network. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 2065-2077.	4.9	28
6	A Novel Heterogeneous Clustering Protocol for Lifetime Maximization of Wireless Sensor Network. <i>Wireless Personal Communications</i> , 2021, 117, 825-841.	2.7	24
7	Particle swarm optimization-based energy efficient clustering protocol in wireless sensor network. <i>Neural Computing and Applications</i> , 2021, 33, 14147-14165.	5.6	38
8	A Novel Area Coverage Technique for Maximizing the Wireless Sensor Network Lifetime. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 3329-3343.	3.0	5
9	Analysing Outage Probability and Diversity for Matrix Based Shadowed Attenuation in Multipath Fading Environment. <i>Wireless Personal Communications</i> , 2021, 117, 1797-1814.	2.7	0
10	A survey of black-hole attack mitigation techniques in MANET: merits, drawbacks, and suitability. <i>Wireless Networks</i> , 2020, 26, 1981-2011.	3.0	27
11	Sensor Fusion for Distributed Detection of Mobile Intruders in Surveillance Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2020, 20, 15224-15231.	4.7	18
12	A distributed reinforcement learning based sensor node scheduling algorithm for coverage and connectivity maintenance in wireless sensor network. <i>Wireless Networks</i> , 2020, 26, 4411-4429.	3.0	37
13	Energy-Efficient Clusterhead Selection Scheme in Heterogeneous Wireless Sensor Network. <i>Journal of Circuits, Systems and Computers</i> , 2020, 29, 2050204.	1.5	34
14	Performance Analysis of RNC Clustering Protocol in Wireless Sensor Network. <i>International Journal of Sensors, Wireless Communications and Control</i> , 2020, 10, 957-966.	0.7	6
15	Analytic evaluation of non-uniformities for coverage probability computation of randomly deployed wireless sensor network. <i>International Journal of Sensor Networks</i> , 2020, 34, 1.	0.4	0
16	Improving bounds on outage probability in correlated Rayleigh fading environment. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019, 44, 1.	1.3	1
17	A dynamic threshold based algorithm for improving security and performance of AODV under black-hole attack in MANET. <i>Wireless Networks</i> , 2019, 25, 1685-1695.	3.0	20
18	Performance analysis of black-hole attack mitigation protocols under gray-hole attacks in MANET. <i>Wireless Networks</i> , 2019, 25, 975-988.	3.0	38

#	ARTICLE	IF	CITATIONS
19	Analysis and Simulation of Second-Order Statistics with Modified Characteristic Function Parameters in a Multipath Fading Environment. <i>Wireless Personal Communications</i> , 2018, 100, 851-862.	2.7	5
20	Effect of Matrix Partitioning on Second Order Statistics of Fading Channels. <i>Wireless Personal Communications</i> , 2018, 100, 863-875.	2.7	2
21	A novel approach for mitigating gray hole attack in MANET. <i>Wireless Networks</i> , 2018, 24, 565-579.	3.0	46
22	A novel approach for mitigating route request flooding attack in MANET. <i>Wireless Networks</i> , 2018, 24, 2899-2914.	3.0	25
23	A dynamic threshold based approach for mitigating black-hole attack in MANET. <i>Wireless Networks</i> , 2018, 24, 2957-2971.	3.0	26
24	Statistical Approach for Performance Analysis of Multipath Scattering Environment. <i>Wireless Personal Communications</i> , 2018, 98, 743-757.	2.7	1
25	Cluster Head Failure Detection and Correction Algorithm for WSN. , 2018, , .		1
26	Energy Efficient Clustering in Heterogeneous Environment. , 2018, , .		9
27	Performance Analysis of RN-LEACH Protocol over LEACH Protocol. <i>International Journal of Future Generation Communication and Networking</i> , 2018, 11, 1-10.	0.7	8
28	A review of black-hole attack mitigation techniques and its drawbacks in Mobile Ad-hoc Network. , 2017, , .		10
29	An energy efficient cycle stealing algorithm for best effort services in wireless sensor networks. <i>International Journal of Communication Networks and Distributed Systems</i> , 2014, 12, 275.	0.4	1
30	Adaptive Time Synchronization for Homogeneous WSNs. <i>International Journal of Engineering Business Management</i> , 2012, 4, 21.	3.7	3
31	Energy-Efficient and Reliable Routing Protocol for Wireless Sensor Networks. <i>International Journal of Computer Applications</i> , 2012, 43, 33-37.	0.2	10
32	A Survey on Scheduling Algorithms for Wireless Sensor Networks. <i>International Journal of Computer Applications</i> , 2011, 20, 7-13.	0.2	44
33	Energy efficient protocol for providing QoS for Wireless Sensor Network. , 2010, , .		1
34	Target coverage computation protocols in wireless sensor networks: a comprehensive review. <i>International Journal of Computers and Applications</i> , 0, , 1-23.	1.3	6
35	Partly Centralized Partly Distributed Energy Efficient Sleep/Wake Scheduling in Wireless Sensor Networks for Applications Requiring Continuous Sensing. <i>IETE Technical Review (Institution of Tj ETQq1 1 0.7843 1.42rgBT /Overlock 10</i>		1
36	Study on temperature \$\$ (au) \$\$ variation for SimCLR-based activity recognition. <i>Signal, Image and Video Processing</i> , 0, , 1.	2.7	2