

Samayveer Singh

List of Publications by Year in descending order

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65
papers

901
citations

516710

16
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552781

26
g-index

70
all docs

70
docs citations

70
times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	RCBE-AS: Rabin cryptosystem-based efficient authentication scheme for wireless sensor networks. <i>Personal and Ubiquitous Computing</i> , 2024, 28, 171-192.	2.8	6
2	A threshold-based energy efficient military surveillance system using heterogeneous wireless sensor networks. <i>Soft Computing</i> , 2023, 27, 1163-1176.	3.6	8
3	High-quality reversible data hiding scheme using sorting and enhanced pairwise PEE. <i>IET Image Processing</i> , 2022, 16, 1096-1110.	2.5	12
4	Low bandwidth data hiding for multimedia systems based on bit redundancy. <i>Multimedia Tools and Applications</i> , 2022, 81, 35027-35045.	3.9	4
5	An Optimized Genetic Algorithm for Cluster Head Election Based on Movable Sinks and Adjustable Sensing Ranges in IoT-Based HWSNs. <i>IEEE Internet of Things Journal</i> , 2022, 9, 5027-5039.	8.7	19
6	A secure energy-efficient routing protocol for disease data transmission using IoMT. <i>Computers and Electrical Engineering</i> , 2022, 101, 108113.	4.8	12
7	A robust digital ECG signal watermarking and compression using biorthogonal wavelet transform. <i>Research on Biomedical Engineering</i> , 2021, 37, 79-85.	2.2	11
8	PVO based reversible data hiding technique for roughly textured images. <i>Multidimensional Systems and Signal Processing</i> , 2021, 32, 533-558.	2.6	8
9	A Comprehensive Study of Reversible Data Hiding (RDH) Schemes Based on Pixel Value Ordering (PVO). <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 3517-3568.	10.2	28
10	An Energy-Efficient Modified Metaheuristic Inspired Algorithm for Disaster Management System Using WSNs. <i>IEEE Sensors Journal</i> , 2021, 21, 15398-15408.	4.7	18
11	OCHEP: An Optimized Cluster Head Election Protocol for Heterogeneous WSNs. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 167-182.	0.4	2
12	Energy-Efficient Routing Protocols for Cluster-Based Heterogeneous Wireless Sensor Network (HetWSN) Strategies and Challenges: A Review. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2021, , 853-878.	0.7	11
13	An efficient cluster head election based on optimized genetic algorithm for movable sinks in IoT enabled HWSNs. <i>Applied Soft Computing Journal</i> , 2021, 107, 107318.	7.2	33
14	A proficient data gathering technique for unmanned aerial vehicle-enabled heterogeneous wireless sensor networks. <i>International Journal of Communication Systems</i> , 2021, 34, e4956.	2.5	8
15	Gray-Version Invariant Reversible Data Hiding Scheme Based on 2D Histogram Modification for Color Images. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 343-351.	0.4	0
16	A Green Data Collection & Transmission Method for IoT-Based WSN in Disaster Management. <i>IEEE Sensors Journal</i> , 2021, 21, 25912-25921.	4.7	24
17	A Clustering-Based Optimized Stable Election Protocol in Wireless Sensor Networks. <i>EAI/Springer Innovations in Communication and Computing</i> , 2021, , 157-176.	1.1	7
18	Energy efficient hotspot problem mitigation techniques using multiple mobile sink in heterogeneous wireless sensor network. <i>International Journal of Communication Systems</i> , 2020, 33, e4641.	2.5	5

#	ARTICLE	IF	CITATIONS
19	Learning Automata Based Heuristics for Target Q-Coverage. , 2020, , .		0
20	A High Capacity Reversible Data Hiding Technique Based on Pixel Value Ordering Using Interlock Partitioning. , 2020, , .		8
21	Adaptive PVD and LSB based high capacity data hiding scheme. Multimedia Tools and Applications, 2020, 79, 18815-18837.	3.9	26
22	An energy aware clustering and data gathering technique based on nature inspired optimization in WSNs. Peer-to-Peer Networking and Applications, 2020, 13, 1357-1374.	3.9	21
23	Evaluating Authentication Schemes for Real-Time Data in Wireless Sensor Network. Wireless Personal Communications, 2020, 114, 629-655.	2.7	13
24	Proficient QoS-Based Target Coverage Problem in Wireless Sensor Networks. IEEE Access, 2020, 8, 74315-74325.	4.2	36
25	A Clustering Based Optimized PEGASIS in Wireless Sensor Networks. Communications in Computer and Information Science, 2020, , 177-195.	0.5	0
26	An Effective Analysis and Performance Investigation of Energy Heterogeneity in Wireless Sensor Networks. Advances in Intelligent Systems and Computing, 2020, , 157-194.	0.6	5
27	A sustainable data gathering technique based on nature inspired optimization in WSNs. Sustainable Computing: Informatics and Systems, 2019, 24, 100354.	2.2	6
28	Human Visual System Based Enhanced AMBTC for Color Image Compression Using Interpolation. , 2019, , .		8
29	An optimal high capacity reversible data hiding scheme using move to front coding for LZW codes. Multimedia Tools and Applications, 2019, 78, 22977-23001.	3.9	16
30	SMAC-AS: MAC Based Secure Authentication Scheme for Wireless Sensor Network. Wireless Personal Communications, 2019, 107, 1289-1308.	2.7	12
31	A Proficient Node Deployment Mechanism Using Adjustable Sensing Range in Wireless Sensor Networks. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 191-199.	2.3	5
32	Anonymity Preserving Authentication and Key Agreement Scheme for Wireless Sensor Networks. Communications in Computer and Information Science, 2019, , 484-495.	0.5	2
33	Performance Investigation of Energy Efficient HetSEP for Prolonging Lifetime in WSNs. Communications in Computer and Information Science, 2019, , 496-509.	0.5	5
34	An Improved Histogram-Shifting-Limitated reversible data hiding based on HVS characteristics. Multimedia Tools and Applications, 2018, 77, 13445-13457.	3.9	32
35	Recovery based high capacity reversible data hiding scheme using even-odd embedding. Multimedia Tools and Applications, 2018, 77, 15803-15827.	3.9	45
36	An Efficient and Secure Authentication Scheme using Markov Chain for Wireless Sensor Networks. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	An Efficient Biometric based three-factor authentication scheme for Wireless Sensor Network. , 2018, , ,		0
38	A reversible high capacity data hiding scheme using combinatorial strategy. International Journal of Multimedia Intelligence and Security, 2018, 3, 146.	0.1	10
39	Multilevel heterogeneous network model for wireless sensor networks. Telecommunication Systems, 2017, 64, 259-277.	2.5	27
40	Energy efficient multilevel network model for heterogeneous WSNs. Engineering Science and Technology, an International Journal, 2017, 20, 105-115.	3.2	19
41	hetDEEC: Heterogeneous DEEC protocol for prolonging lifetime in wireless sensor networks. Journal of Information and Optimization Sciences, 2017, 38, 699-720.	0.3	8
42	Energy efficient heterogeneous DEEC protocol for enhancing lifetime in WSNs. Engineering Science and Technology, an International Journal, 2017, 20, 345-353.	3.2	72
43	hetSEP: Heterogeneous SEP protocol for increasing lifetime in WSNs. Journal of Information and Optimization Sciences, 2017, 38, 721-743.	0.3	12
44	A space based reversible high capacity text steganography scheme using font type and style. , 2016, , ,		17
45	Reversible data hiding scheme for LZW codes using even-odd embedding strategy. , 2016, , ,		9
46	NEECP: Novel energy efficient clustering protocol for prolonging lifetime of WSNs. IET Wireless Sensor Systems, 2016, 6, 151-157.	1.7	40
47	Optimum sink location for sensor deployment in wireless sensor networks. Journal of Information and Optimization Sciences, 2016, 37, 605-619.	0.3	1
48	A high capacity email based text steganography scheme using Huffman compression. , 2016, , ,		14
49	Reversible Data Hiding Scheme for LZW Codes using LSB Flipping Strategy. , 2016, , ,		4
50	Energy Efficient Clustering Protocol Using Fuzzy Logic for Heterogeneous WSNs. Wireless Personal Communications, 2016, 86, 451-475.	2.7	51
51	Heterogeneous Energy Efficient Protocol for Enhancing the Lifetime in WSNs. International Journal of Information Technology and Computer Science, 2016, 8, 62-72.	1.0	2
52	Optimum deployment of sensors in WSNs. , 2014, , ,		3
53	An Email based high capacity text steganography scheme using combinatorial compression. , 2014, , ,		8
54	A stage-4 heterogeneous network model in WSNs. , 2014, , ,		1

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55	Heterogeneous HEED Protocol for Wireless Sensor Networks. Wireless Personal Communications, 2014, 77, 2117-2139.	2.7	91
56	An energy efficient clustering protocol with fuzzy logic for WSNs. , 2014, , .		7
57	Performance Evaluation of Distributed Protocols Using Different Levels of Heterogeneity Models in Wireless Sensor Networks. International Journal of Computer Network and Information Security, 2014, 7, 38-45.	1.9	1
58	Performance investigation of heterogeneous algorithms in WSNs. , 2013, , .		6
59	3-Tier Heterogeneous Network Model for Increasing Lifetime in Three Dimensional WSNs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 238-247.	0.3	3
60	hetADEEPS: ADEEPS for Heterogeneous Wireless Sensor Networks. International Journal of Future Generation Communication and Networking, 2013, 6, 21-32.	0.7	11
61	3-Level Heterogeneity Model for Wireless Sensor Networks. International Journal of Computer Network and Information Security, 2013, 5, 40-47.	1.9	11
62	Distributed Algorithms for Maximizing Lifetime of WSNs with Heterogeneity and Adjustable Sensing Range for Different Deployment Strategies. International Journal of Information Technology and Computer Science, 2013, 5, 101-108.	1.0	4
63	A Distributed Energy-Efficient Target Tracking Protocol for Three Level Heterogeneous Sensor Networks. International Journal of Computer Applications, 2012, 51, 31-36.	0.2	2
64	A heterogeneous power efficient load balancing target-monitoring protocol for sensor networks. , 2010, , .		3
65	Genetic algorithm-based data controlling method using IoT-enabled WSN in power grid. Soft Computing, 0, , .	3.6	1