

Gulshan Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,682
citations

361296

20
h-index

289141

40
g-index

60
all docs

60
docs citations

60
times ranked

1450
citing authors

#	ARTICLE	IF	CITATIONS
1	An intelligent epilepsy seizure detection system using adaptive mode decomposition of EEG signals. <i>Physical and Engineering Sciences in Medicine</i> , 2022, 45, 261-272.	1.3	10
2	A hybrid deep learning based intrusion detection system using spatial-temporal representation of in-vehicle network traffic. <i>Vehicular Communications</i> , 2022, 35, 100471.	2.7	23
3	Nature Inspired Techniques and Applications in Intrusion Detection Systems: Recent Progress and Updated Perspective. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 2897-2919.	6.0	5
4	Applications of Generative Adversarial Networks (GANs): An Updated Review. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 525-552.	6.0	142
5	Blockchain Based Trust Model Using Tendermint in Vehicular Adhoc Networks. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1998.	1.3	9
6	Secure Device-to-Device communications for 5G enabled Internet of Things applications. <i>Computer Communications</i> , 2021, 169, 114-128.	3.1	37
7	The Security Perspectives of Vehicular Networks: A Taxonomical Analysis of Attacks and Solutions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4682.	1.3	22
8	An intelligent algorithmically generated domain detection system. <i>Computers and Electrical Engineering</i> , 2021, 92, 107129.	3.0	9
9	Machine learning and deep learning methods for intrusion detection systems: recent developments and challenges. <i>Soft Computing</i> , 2021, 25, 9731-9763.	2.1	49
10	A fuzzy computational approach for selecting interdependent projects using prioritized criteria. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 11341-11354.	0.8	7
11	A Secure Random Number Generator with Immunity and Propagation Characteristics for Cryptography Functions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8073.	1.3	1
12	A Survey of Deep Learning and Its Applications: A New Paradigm to Machine Learning. <i>Archives of Computational Methods in Engineering</i> , 2020, 27, 1071-1092.	6.0	531
13	An improved ensemble approach for effective intrusion detection. <i>Journal of Supercomputing</i> , 2020, 76, 275-291.	2.4	29
14	MLEsIDSs: machine learning-based ensembles for intrusion detection systems—a review. <i>Journal of Supercomputing</i> , 2020, 76, 8938-8971.	2.4	38
15	Blockchain Powered Secure Range-Free Localization in Wireless Sensor Networks. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 6139-6155.	1.7	30
16	Robust and Lightweight Mutual Authentication Scheme in Distributed Smart Environments. <i>IEEE Access</i> , 2020, 8, 69722-69733.	2.6	32
17	Improved DV-Hop Localization Scheme for Randomly Deployed WSNs. <i>International Journal of Sensors, Wireless Communications and Control</i> , 2020, 10, 94-109.	0.5	10
18	An Advanced DV-Hop Localization Algorithm for Random Mobile Nodes in Wireless Sensor Networks. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 9787-9803.	1.7	8

#	ARTICLE	IF	CITATIONS
19	Energy Efficient Range-Free Localization Algorithm for Wireless Sensor Networks. <i>Sensors</i> , 2019, 19, 3603.	2.1	11
20	Improved Location Estimation in Wireless Sensor Networks Using a Vector-Based Swarm Optimized Connected Dominating Set. <i>Sensors</i> , 2019, 19, 376.	2.1	6
21	Proof-of-Work Consensus Approach in Blockchain Technology for Cloud and Fog Computing Using Maximization-Factorization Statistics. <i>IEEE Internet of Things Journal</i> , 2019, 6, 6835-6842.	5.5	107
22	Privacy Ensured $\{e\}$ -Healthcare for Fog-Enhanced IoT Based Applications. <i>IEEE Access</i> , 2019, 7, 44536-44543.	2.6	75
23	An improved content splitting and merging algorithm for Hadoop clusters using component analysis and hamming distance. <i>International Journal of Technology, Policy and Management</i> , 2019, 19, 392.	0.1	0
24	A Novel Trust Evaluation Process for Secure Localization Using a Decentralized Blockchain in Wireless Sensor Networks. <i>IEEE Access</i> , 2019, 7, 184133-184144.	2.6	64
25	MRC4: A Modified RC4 Algorithm Using Symmetric Random Function Generator for Improved Cryptographic Features. <i>IEEE Access</i> , 2019, 7, 172045-172054.	2.6	9
26	A Review on Security Techniques in Vanets. <i>International Journal of Control and Automation</i> , 2019, 12, 1-14.	0.3	4
27	An improved DV-Hop localization with minimum connected dominating set for mobile nodes in wireless sensor networks. <i>International Journal of Distributed Sensor Networks</i> , 2018, 14, 155014771875563.	1.3	22
28	Optimized Packet Filtering Honeypot with Snooping Agents in Intrusion Detection System for WLAN. <i>International Journal of Information Security and Privacy</i> , 2018, 12, 53-62.	0.6	7
29	RK-AES: An Improved Version of AES Using a New Key Generation Process with Random Keys. <i>Security and Communication Networks</i> , 2018, 2018, 1-11.	1.0	27
30	Advanced Multiresolution Wavelet Based Wideband Spectrum Sensing Technique for Cognitive Radio. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-13.	0.8	8
31	Cybercrimes: A Proposed Taxonomy and Challenges. <i>Journal of Computer Networks and Communications</i> , 2018, 2018, 1-11.	1.2	18
32	Multidimensional Security Provision for Secure Communication in Vehicular Ad Hoc Networks Using Hierarchical Structure and End-to-End Authentication. <i>IEEE Access</i> , 2018, 6, 46558-46567.	2.6	21
33	An Approach for Location Verification using Atomic Localization in Wireless Sensor Networks. <i>International Journal of Control and Automation</i> , 2018, 11, 31-44.	0.3	0
34	Resource Sharing Technique for Device to Device Link in License Band LTE-A. <i>International Journal of Grid and Distributed Computing</i> , 2018, 11, 145-156.	0.8	0
35	An Analysis of AI-based Supervised Classifiers for Intrusion Detection in Big Data. , 2018, , 26-46.		0
36	Securing range free localization against wormhole attack using distance estimation and maximum likelihood estimation in Wireless Sensor Networks. <i>Journal of Network and Computer Applications</i> , 2017, 99, 10-16.	5.8	24

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37	An energy efficient and optimized load balanced localization method using CDS with one-hop neighbourhood and genetic algorithm in WSNs. Journal of Network and Computer Applications, 2017, 78, 73-82.	5.8	27
38	A Secure Localization Approach Using Mutual Authentication and Insider Node Validation in Wireless Sensor Networks. Mobile Information Systems, 2017, 2017, 1-12.	0.4	9
39	Design of Distributed Approach for Wormhole Attack Detection in Wireless Sensor Networks. International Journal of Control and Automation, 2017, 10, 89-96.	0.3	0
40	Identifying Open Research Problems in Cryptography by Surveying Cryptographic Functions and Operations. International Journal of Grid and Distributed Computing, 2017, 10, 79-98.	0.8	1
41	Denial of service attacks “ an updated perspective. Systems Science and Control Engineering, 2016, 4, 285-294.	1.8	15
42	Nature Inspired Feature Selection Approach for Effective Intrusion Detection. Indian Journal of Science and Technology, 2016, 9, .	0.5	5
43	Improvement of Trust and Reputation using Intrusion Detection and Authentication in Ad Hoc Networks. International Journal of Security and Its Applications, 2016, 10, 63-70.	0.5	2
44	A Multi-objective Genetic Algorithm Based Approach for Effective Intrusion Detection Using Neural Networks. Studies in Computational Intelligence, 2015, , 173-200.	0.7	7
45	Probabilistic Relation between Triadic Closure and the Balance of Social Networks in Presence of Influence. International Journal of Cyber Behavior, Psychology and Learning, 2015, 5, 53-61.	0.6	0
46	Network security “ an updated perspective. Systems Science and Control Engineering, 2014, 2, 325-334.	1.8	17
47	Design of an Evolutionary Approach for Intrusion Detection. Scientific World Journal, The, 2013, 2013, 1-14.	0.8	39
48	MEU Analysis of DECICLUS Approach for Multilingual Text Categorization. , 2012, , .		0
49	The Use of Artificial-Intelligence-Based Ensembles for Intrusion Detection: A Review. Applied Computational Intelligence and Soft Computing, 2012, 2012, 1-20.	1.6	21
50	An information theoretic approach for feature selection. Security and Communication Networks, 2012, 5, 178-185.	1.0	14
51	The Use of Multi-Objective Genetic Algorithm Based Approach to Create Ensemble of ANN for Intrusion Detection. International Journal of Intelligence Science, 2012, 02, 115-127.	0.6	14
52	A novel evaluation function for feature selection based upon information theory. , 2011, , .		3
53	AI based supervised classifiers. , 2011, , .		7
54	An Approach to Provide Security in Wireless Sensor Network Using Block Mode of Cipher. Communications in Computer and Information Science, 2011, , 101-112.	0.4	1

#	ARTICLE	IF	CITATIONS
55	The use of artificial intelligence based techniques for intrusion detection: a review. Artificial Intelligence Review, 2010, 34, 369-387.	9.7	101
56	SPECTRUM SENSING FOR COGNITIVE RADIOS UNDER DIFFERENT FADING CHANNELS USING BPSK AND QPSK. Far East Journal of Electronics and Communications, 0, , 283-294.	0.2	0