Gulshan Kumar

List of Publications by Year
in descending order

56	1,682	361296	289141
papers	citations	20	40
		h-index	g-index

60	60	60	1450
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Survey of Deep Learning and Its Applications: A New Paradigm to Machine Learning. Archives of Computational Methods in Engineering, 2020, 27, 1071-1092.	6.0	531
2	Applications of Generative Adversarial Networks (GANs): An Updated Review. Archives of Computational Methods in Engineering, 2021, 28, 525-552.	6.0	142
3	Proof-of-Work Consensus Approach in Blockchain Technology for Cloud and Fog Computing Using Maximization-Factorization Statistics. IEEE Internet of Things Journal, 2019, 6, 6835-6842.	5.5	107
4	The use of artificial intelligence based techniques for intrusion detection: a review. Artificial Intelligence Review, 2010, 34, 369-387.	9.7	101
5	Privacy Ensured $\${e}\$$ -Healthcare for Fog-Enhanced IoT Based Applications. IEEE Access, 2019, 7, 44536-44543.	2.6	75
6	A Novel Trust Evaluation Process for Secure Localization Using a Decentralized Blockchain in Wireless Sensor Networks. IEEE Access, 2019, 7, 184133-184144.	2.6	64
7	Machine learning and deep learning methods for intrusion detection systems: recent developments and challenges. Soft Computing, 2021, 25, 9731-9763.	2.1	49
8	Design of an Evolutionary Approach for Intrusion Detection. Scientific World Journal, The, 2013, 2013, 1-14.	0.8	39
9	MLEsIDSs: machine learning-based ensembles for intrusion detection systems—a review. Journal of Supercomputing, 2020, 76, 8938-8971.	2.4	38
10	Secure Device-to-Device communications for 5G enabled Internet of Things applications. Computer Communications, 2021, 169, 114-128.	3.1	37
11	Robust and Lightweight Mutual Authentication Scheme in Distributed Smart Environments. IEEE Access, 2020, 8, 69722-69733.	2.6	32
12	Blockchain Powered Secure Range-Free Localization in Wireless Sensor Networks. Arabian Journal for Science and Engineering, 2020, 45, 6139-6155.	1.7	30
13	An improved ensemble approach for effective intrusion detection. Journal of Supercomputing, 2020, 76, 275-291.	2.4	29
14	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
15	RK-AES: An Improved Version of AES Using a New Key Generation Process with Random Keys. Security and Communication Networks, 2018, 2018, 1-11.	1.0	27
16	Securing range free localization against wormhole attack using distance estimation and maximum likelihood estimation in Wireless Sensor Networks. Journal of Network and Computer Applications, 2017, 99, 10-16.	5.8	24
17	A hybrid deep learning based intrusion detection system using spatial-temporal representation of in-vehicle network traffic. Vehicular Communications, 2022, 35, 100471.	2.7	23
18	An improved DV-Hop localization with minimum connected dominating set for mobile nodes in wireless sensor networks. International Journal of Distributed Sensor Networks, 2018, 14, 155014771855563.	1.3	22

#	Article	IF	Citations
19	The Security Perspectives of Vehicular Networks: A Taxonomical Analysis of Attacks and Solutions. Applied Sciences (Switzerland), 2021, 11, 4682.	1.3	22
20	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
21	Multidimensional Security Provision for Secure Communication in Vehicular Ad Hoc Networks Using Hierarchical Structure and End-to-End Authentication. IEEE Access, 2018, 6, 46558-46567.	2.6	21
22	Cybercrimes: A Proposed Taxonomy and Challenges. Journal of Computer Networks and Communications, 2018, 2018, 1-11.	1.2	18
23	Network security â€" an updated perspective. Systems Science and Control Engineering, 2014, 2, 325-334.	1.8	17
24	Denial of service attacks â€" an updated perspective. Systems Science and Control Engineering, 2016, 4, 285-294.	1.8	15
25	An information theoretic approach for feature selection. Security and Communication Networks, 2012, 5, 178-185.	1.0	14
26	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
27	Energy Efficient Range-Free Localization Algorithm for Wireless Sensor Networks. Sensors, 2019, 19, 3603.	2.1	11
28	Improved DV-Hop Localization Scheme for Randomly Deployed WSNs. International Journal of Sensors, Wireless Communications and Control, 2020, 10, 94-109.	0.5	10
29	An intelligent epilepsy seizure detection system using adaptive mode decomposition of EEG signals. Physical and Engineering Sciences in Medicine, 2022, 45, 261-272.	1.3	10
30	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
31	MRC4: A Modified RC4 Algorithm Using Symmetric Random Function Generator for Improved Cryptographic Features. IEEE Access, 2019, 7, 172045-172054.	2.6	9
32	Blockchain Based Trust Model Using Tendermint in Vehicular Adhoc Networks. Applied Sciences (Switzerland), 2021, 11, 1998.	1.3	9
33	An intelligent algorithmically generated domain detection system. Computers and Electrical Engineering, 2021, 92, 107129.	3.0	9
34	Advanced Multiresolution Wavelet Based Wideband Spectrum Sensing Technique for Cognitive Radio. Wireless Communications and Mobile Computing, 2018, 2018, 1-13.	0.8	8
35	An Advanced DV-Hop Localization Algorithm for Random Mobile Nodes in Wireless Sensor Networks. Arabian Journal for Science and Engineering, 2019, 44, 9787-9803.	1.7	8
36	AI based supervised classifiers. , 2011, , .		7

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37	A Multi-objective Genetic Algorithm Based Approach for Effective Intrusion Detection Using Neural Networks. Studies in Computational Intelligence, 2015, , 173-200.	0.7	7
38	Optimized Packet Filtering Honeypot with Snooping Agents in Intrusion Detection System for WLAN. International Journal of Information Security and Privacy, 2018, 12, 53-62.	0.6	7
39	A fuzzy computational approach for selecting interdependent projects using prioritized criteria. Journal of Intelligent and Fuzzy Systems, 2021, 40, 11341-11354.	0.8	7
40	Improved Location Estimation in Wireless Sensor Networks Using a Vector-Based Swarm Optimized Connected Dominating Set. Sensors, 2019, 19, 376.	2.1	6
41	Nature Inspired Techniques and Applications in Intrusion Detection Systems: Recent Progress and Updated Perspective. Archives of Computational Methods in Engineering, 2021, 28, 2897-2919.	6.0	5
42	Nature Inspired Feature Selection Approach for Effective Intrusion Detection. Indian Journal of Science and Technology, 2016, 9, .	0.5	5
43	A Review on Security Techniques in Vanets. International Journal of Control and Automation, 2019, 12, 1-14.	0.3	4
44	A novel evaluation function for feature selection based upon information theory. , 2011, , .		3
45	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
46	A Secure Random Number Generator with Immunity and Propagation Characteristics for Cryptography Functions. Applied Sciences (Switzerland), 2021, 11, 8073.	1.3	1
47	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
48	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
49	MEU Analysis of DECICLUS Approach for Multilingual Text Categorization. , 2012, , .		0
50	An improved content splitting and merging algorithm for Hadoop clusters using component analysis and hamming distance. International Journal of Technology, Policy and Management, 2019, 19, 392.	0.1	0
51	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
52	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
53	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
54	An Approach for Location Verification using Atomic Localization in Wireless Sensor Networks. International Journal of Control and Automation, 2018, 11, 31-44.	0.3	0

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55	Resource Sharing Technique for Device to Device Link in License Band LTE-A. International Journal of Grid and Distributed Computing, 2018, 11, 145-156.	0.8	0
56	An Analysis of AI-based Supervised Classifiers for Intrusion Detection in Big Data. , 2018, , 26-46.		0