

Dr Praveen Kumar Reddy M

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

5,704
citations

109137

35
h-index

85405

71
g-index

82
all docs

82
docs citations

82
times ranked

2986
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Dimensionality Reduction Techniques on Big Data. IEEE Access, 2020, 8, 54776-54788.	2.6	458
2	Industry 5.0: A survey on enabling technologies and potential applications. Journal of Industrial Information Integration, 2022, 26, 100257.	4.3	411
3	Deep learning and medical image processing for coronavirus (COVID-19) pandemic: A survey. Sustainable Cities and Society, 2021, 65, 102589.	5.1	300
4	Hybrid genetic algorithm and a fuzzy logic classifier for heart disease diagnosis. Evolutionary Intelligence, 2020, 13, 185-196.	2.3	265
5	An effective feature engineering for DNN using hybrid PCA-GWO for intrusion detection in IoMT architecture. Computer Communications, 2020, 160, 139-149.	3.1	245
6	Unmanned Aerial Vehicles in Smart Agriculture: Applications, Requirements, and Challenges. IEEE Sensors Journal, 2021, 21, 17608-17619.	2.4	243
7	A Novel PCA-Firefly Based XGBoost Classification Model for Intrusion Detection in Networks Using GPU. Electronics (Switzerland), 2020, 9, 219.	1.8	229
8	Early Detection of Diabetic Retinopathy Using PCA-Firefly Based Deep Learning Model. Electronics (Switzerland), 2020, 9, 274.	1.8	226
9	An ensemble machine learning approach through effective feature extraction to classify fake news. Future Generation Computer Systems, 2021, 117, 47-58.	4.9	213
10	A survey on blockchain for big data: Approaches, opportunities, and future directions. Future Generation Computer Systems, 2022, 131, 209-226.	4.9	184
11	A novel PCA-whale optimization-based deep neural network model for classification of tomato plant diseases using GPU. Journal of Real-Time Image Processing, 2021, 18, 1383-1396.	2.2	174
12	A metaheuristic optimization approach for energy efficiency in the IoT networks. Software - Practice and Experience, 2021, 51, 2558-2571.	2.5	152
13	Deep neural networks to predict diabetic retinopathy. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5407-5420.	3.3	151
14	A Multidirectional LSTM Model for Predicting the Stability of a Smart Grid. IEEE Access, 2020, 8, 85454-85463.	2.6	136
15	Federated Learning for Cybersecurity: Concepts, Challenges, and Future Directions. IEEE Transactions on Industrial Informatics, 2022, 18, 3501-3509.	7.2	114
16	Hand gesture classification using a novel CNN-crow search algorithm. Complex & Intelligent Systems, 2021, 7, 1855-1868.	4.0	112
17	Green communication in IoT networks using a hybrid optimization algorithm. Computer Communications, 2020, 159, 97-107.	3.1	103
18	Blended Multi-Modal Deep ConvNet Features for Diabetic Retinopathy Severity Prediction. Electronics (Switzerland), 2020, 9, 914.	1.8	95

#	ARTICLE	IF	CITATIONS
19	Federated learning enabled digital twins for smart cities: Concepts, recent advances, and future directions. <i>Sustainable Cities and Society</i> , 2022, 79, 103663.	5.1	94
20	Load balancing of energy cloud using wind driven and firefly algorithms in internet of everything. <i>Journal of Parallel and Distributed Computing</i> , 2020, 142, 16-26.	2.7	93
21	Blockchain for Edge of Things: Applications, Opportunities, and Challenges. <i>IEEE Internet of Things Journal</i> , 2022, 9, 964-988.	5.5	90
22	Multi-objective cluster head selection using fitness averaged rider optimization algorithm for IoT networks in smart cities. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100973.	1.7	87
23	An AI-based intelligent system for healthcare analysis using Ridge-Adaline Stochastic Gradient Descent Classifier. <i>Journal of Supercomputing</i> , 2021, 77, 1998-2017.	2.4	84
24	Security and privacy of UAV data using blockchain technology. <i>Journal of Information Security and Applications</i> , 2020, 55, 102670.	1.8	73
25	An Ensemble based Machine Learning model for Diabetic Retinopathy Classification. , 2020, , .		70
26	A review on deep learning for future smart cities. <i>Internet Technology Letters</i> , 2022, 5, e187.	1.4	68
27	A deep neural networks based model for uninterrupted marine environment monitoring. <i>Computer Communications</i> , 2020, 157, 64-75.	3.1	65
28	Predictive model for battery life in IoT networks. <i>IET Intelligent Transport Systems</i> , 2020, 14, 1388-1395.	1.7	59
29	Cyberbullying detection solutions based on deep learning architectures. <i>Multimedia Systems</i> , 2023, 29, 1839-1852.	3.0	58
30	Implementing self adaptiveness in whale optimization for cluster head section in Internet of Things. <i>Cluster Computing</i> , 2019, 22, 1361-1372.	3.5	57
31	A survey on Zero touch network and Service Management (ZSM) for 5G and beyond networks. <i>Journal of Network and Computer Applications</i> , 2022, 203, 103362.	5.8	47
32	Fusion of Federated Learning and Industrial Internet of Things: A survey. <i>Computer Networks</i> , 2022, 212, 109048.	3.2	46
33	Energy Optimization for Green Communication in IoT Using Harris Hawks Optimization. <i>IEEE Transactions on Green Communications and Networking</i> , 2022, 6, 685-694.	3.5	42
34	Energy Efficient Cluster Head Selection for Internet of Things. <i>New Review of Information Networking</i> , 2017, 22, 54-70.	0.3	41
35	Providing diagnosis on diabetes using cloud computing environment to the people living in rural areas of India. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022, 13, 2829-2840.	3.3	41
36	Multiclass Model for Agriculture Development Using Multivariate Statistical Method. <i>IEEE Access</i> , 2020, 8, 183749-183758.	2.6	40

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37	Comparative analysis of machine learning algorithms for prediction of smart grid stability ^{â€}. International Transactions on Electrical Energy Systems, 2021, 31, e12706.	1.2	37
38	InfusedHeart: A Novel Knowledge-Infused Learning Framework for Diagnosis of Cardiovascular Events. IEEE Transactions on Computational Social Systems, 2024, , 1-10.	3.2	35
39	Identification of malnutrition and prediction of BMI from facial images using real-time image processing and machine learning. IET Image Processing, 2022, 16, 647-658.	1.4	34
40	Genetic CFL: Hyperparameter Optimization in Clustered Federated Learning. Computational Intelligence and Neuroscience, 2021, 2021, 1-10.	1.1	33
41	An Evolutionary Secure Energy Efficient Routing Protocol in Internet of Things. International Journal of Intelligent Engineering and Systems, 2017, 10, 337-346.	0.8	30
42	Deep learning disease prediction model for use with intelligent robots. Computers and Electrical Engineering, 2020, 87, 106765.	3.0	27
43	Roughsets-based Approach for Predicting Battery Life in IoT. Intelligent Automation and Soft Computing, 2021, 27, 453-469.	1.6	27
44	An Incentive Based Approach for COVID-19 planning using Blockchain Technology. , 2020, , .		27
45	Spatiotemporal-based sentiment analysis on tweets for risk assessment of event using deep learning approach. Software - Practice and Experience, 2021, 51, 550-570.	2.5	26
46	A Two-stage Text Feature Selection Algorithm for Improving Text Classification. ACM Transactions on Asian and Low-Resource Language Information Processing, 2021, 20, 1-19.	1.3	26
47	Malicious URL Detection using Logistic Regression. , 2021, , .		26
48	Incentive Mechanisms for Smart Grid: State of the Art, Challenges, Open Issues, Future Directions. Big Data and Cognitive Computing, 2022, 6, 47.	2.9	25
49	Antlion re-sampling based deep neural network model for classification of imbalanced multimodal stroke dataset. Multimedia Tools and Applications, 2022, 81, 41429-41453.	2.6	24
50	Black-Hole Attack Mitigation in Medical Sensor Networks Using the Enhanced Gravitational Search Algorithm. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2021, 29, 297-315.	0.9	24
51	Harris Hawk Optimization: A Survey on Variants and Applications. Computational Intelligence and Neuroscience, 2022, 2022, 1-20.	1.1	24
52	A hybrid cluster head selection model for Internet of Things. Cluster Computing, 2019, 22, 13095-13107.	3.5	23
53	Optimal Radius for Enhanced Lifetime in IoT Using Hybridization of Rider and Grey Wolf Optimization. IEEE Transactions on Green Communications and Networking, 2021, 5, 635-644.	3.5	22
54	A Machine Learning Driven Threat Intelligence System for Malicious URL Detection. , 2021, , .		21

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55	An ensemble model for intrusion detection in the Internet of Softwarized Things. , 2021, , .		20
56	Certificateless Aggregated Signcryption Scheme (CLASS) for Cloud-Fog Centric Industry 4.0. IEEE Transactions on Industrial Informatics, 2022, 18, 6349-6357.	7.2	19
57	Genetically optimized prediction of remaining useful life. Sustainable Computing: Informatics and Systems, 2021, 31, 100565.	1.6	17
58	Deep Neural Networks Based Approach for Battery Life Prediction. Computers, Materials and Continua, 2021, 69, 2599-2615.	1.5	16
59	Location Based Business Recommendation Using Spatial Demand. Sustainability, 2020, 12, 4124.	1.6	15
60	A Review on Security and Privacy of Internet of Medical Things. Internet of Things, 2022, , 171-187.	1.3	14
61	A Novel Approach for Home Surveillance System Using IoT Adaptive Security. SSRN Electronic Journal, 0, , .	0.4	13
62	A Blockchain-Based Credibility Scoring Framework for Electronic Medical Records. , 2020, , .		12
63	Vehicle Theft Identification and Intimation Using GSM & IOT. IOP Conference Series: Materials Science and Engineering, 2017, 263, 042062.	0.3	11
64	BIG data based on healthcare analysis using IOT devices. IOP Conference Series: Materials Science and Engineering, 2017, 263, 042059.	0.3	11
65	A Blockchain Based Cloud Integrated IoT Architecture Using a Hybrid Design. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 550-559.	0.2	11
66	Fake Review Classification Using Supervised Machine Learning. Lecture Notes in Computer Science, 2021, , 269-288.	1.0	11
67	A Review on Cyber Crimes on the Internet of Things. Signals and Communication Technology, 2021, , 83-98.	0.4	11
68	Heart Disease Prediction Using Machine Learning Algorithm. International Journal of Innovative Technology and Exploring Engineering, 2019, 8, 2603-2606.	0.2	10
69	Internet of Things and Fog Computing Applications in Intelligent Transportation Systems. Advances in Computer and Electrical Engineering Book Series, 2020, , 131-150.	0.2	10
70	ECMCRR-MPDNL for Cellular Network Traffic Prediction With Big Data. IEEE Access, 2020, 8, 113419-113428.	2.6	8
71	Applications of Domain-Specific Predictive Analytics Applied to Big Data. Advances in Business Information Systems and Analytics Book Series, 2019, , 289-306.	0.3	8
72	Catalysis of neural activation functions: Adaptive feed-forward training for big data applications. Applied Intelligence, 2022, 52, 13364-13383.	3.3	7

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73	Multiobjectives for Optimal Geographic Routing in IoT Health Care System. Complexity, 2022, 2022, 1-15.	0.9	6
74	Enhanced Adaptive Distributed Energy-Efficient Clustering (EADEEC) for Wireless Sensor Networks. Recent Advances in Computer Science and Communications, 2020, 13, 168-172.	0.5	5
75	Agribot. Advances in Computer and Electrical Engineering Book Series, 2020, , 151-157.	0.2	5
76	Energy Aware Cluster Head Selection for Maximizing Lifetime Improvement in Internet of Things. International Journal of Grid and High Performance Computing, 2017, 9, 71-91.	0.7	3
77	A Review on Bitcoin and Currency Encryption. Advances in Information Security, Privacy, and Ethics Book Series, 2021, , 84-98.	0.4	2
78	Automated category Text identification using Machine Learning. , 2020, , .		1
79	Token passing techniques to support real time communications on WTPN used for industrial control applications. , 2017, , .		0
80	Feature selection analysis for multimedia event detection. IOP Conference Series: Materials Science and Engineering, 2017, 263, 042004.	0.3	0
81	Efficient frequent pattern mining algorithm based on node sets in cloud computing environment. IOP Conference Series: Materials Science and Engineering, 2017, 263, 042003.	0.3	0