Durai Raj Vincent P M

List of Publications by Year
in descending order

65 papers	1,258 citations	430843 18 h-index	395678 33 g-index
68 all docs	68 docs citations	68 times ranked	754 citing authors

#	Article	IF	Citations
1	Forecasting yield by integrating agrarian factors and machine learning models: A survey. Computers and Electronics in Agriculture, 2018, 155, 257-282.	7.7	177
2	Crop Yield Prediction Using Deep Reinforcement Learning Model for Sustainable Agrarian Applications. IEEE Access, 2020, 8, 86886-86901.	4.2	161
3	Sensors Driven AI-Based Agriculture Recommendation Model for Assessing Land Suitability. Sensors, 2019, 19, 3667.	3.8	125
4	A deep learning framework with an embedded-based feature selection approach for the early detection of the Alzheimer's disease. Computers in Biology and Medicine, 2022, 141, 105056.	7.0	49
5	Emotion AI-Driven Sentiment Analysis: A Survey, Future Research Directions, and Open Issues. Applied Sciences (Switzerland), 2019, 9, 5462.	2.5	43
6	Machine Learning Based Computational Gene Selection Models: A Survey, Performance Evaluation, Open Issues, and Future Research Directions. Frontiers in Genetics, 2020, 11, 603808.	2.3	41
7	Multiclass Model for Agriculture Development Using Multivariate Statistical Method. IEEE Access, 2020, 8, 183749-183758.	4.2	40
8	A Hybrid CFS Filter and RF-RFE Wrapper-Based Feature Extraction for Enhanced Agricultural Crop Yield Prediction Modeling. Agriculture (Switzerland), 2020, 10, 400.	3.1	38
9	A reinforced random forest model for enhanced crop yield prediction by integrating agrarian parameters. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 10009-10022.	4.9	37
10	Hybrid Inception v3 XGBoost Model for Acute Lymphoblastic Leukemia Classification. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-10.	1.3	37
11	Deep CNN and Deep GAN in Computational Visual Perception-Driven Image Analysis. Complexity, 2021, 2021, 1-30.	1.6	36
12	Recent Advances in Evolving Computing Paradigms: Cloud, Edge, and Fog Technologies. Sensors, 2022, 22, 196.	3.8	34
13	An algorithm to enhance security in RSA. , 2013, , .		29
14	Reinforced XGBoost machine learning model for sustainable intelligent agrarian applications. Journal of Intelligent and Fuzzy Systems, 2020, 39, 7605-7620.	1.4	28
15	Fuzzy deep learning-based crop yield prediction model for sustainable agronomical frameworks. Neural Computing and Applications, 2021, 33, 13205-13224.	5.6	28
16	Sensor-Assisted Weighted Average Ensemble Model for Detecting Major Depressive Disorder. Sensors, 2019, 19, 4822.	3.8	27
17	An Efficient Classification of Neonates Cry Using Extreme Gradient Boosting-Assisted Grouped-Support-Vector Network. Journal of Healthcare Engineering, 2021, 2021, 1-14.	1.9	23
18	Quality Assessment of Tire Shearography Images via Ensemble Hybrid Faster Region-Based ConvNets. Electronics (Switzerland), 2020, 9, 45.	3.1	20

#	Article	IF	Citations
19	Realizing a Stacking Generalization Model to Improve the Prediction Accuracy of Major Depressive Disorder in Adults. IEEE Access, 2020, 8, 49509-49522.	4.2	19
20	A Hybrid Framework for Intrusion Detection in Healthcare Systems Using Deep Learning. Frontiers in Public Health, 2021, 9, 824898.	2.7	19
21	An IOT based human healthcare system using Arduino uno board. , 2017, , .		17
22	An Efficient Ensemble VTOPES Multi-Criteria Decision-Making Model for Sustainable Sugarcane Farms. Sustainability, 2019, 11, 4288.	3.2	17
23	Realizing an Integrated Multistage Support Vector Machine Model for Augmented Recognition of Unipolar Depression. Electronics (Switzerland), 2020, 9, 647.	3.1	16
24	Deep Learning Assisted Neonatal Cry Classification via Support Vector Machine Models. Frontiers in Public Health, 2021, 9, 670352.	2.7	16
25	An Efficient Hybrid Fuzzy-Clustering Driven 3D-Modeling of Magnetic Resonance Imagery for Enhanced Brain Tumor Diagnosis. Electronics (Switzerland), 2020, 9, 475.	3.1	13
26	Heart Disease Prediction System using Ensemble of Machine Learning Algorithms. Recent Patents on Engineering, 2021, 15, 130-139.	0.4	12
27	Identity preserving multi-pose facial expression recognition using fine tuned VGG on the latent space vector of generative adversarial network. Mathematical Biosciences and Engineering, 2021, 18, 3699-3717.	1.9	12
28	Improving the Classification of Alzheimerâ€™s Disease Using Hybrid Gene Selection Pipeline and Deep Learning. Frontiers in Genetics, 2021, 12, 784814.	2.3	12
29	P2P-COVID-GAN. International Journal of Data Warehousing and Mining, 2021, 17, 101-118.	0.6	10
30	Multimodal Medical Image Fusion of Positron Emission Tomography and Magnetic Resonance Imaging Using Generative Adversarial Networks. Behavioural Neurology, 2022, 2022, 1-12.	2.1	10
31	Evaluating Deep Neural Network Architectures with Transfer Learning for Pneumonitis Diagnosis. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-12.	1.3	9
32	A Multistage Heterogeneous Stacking Ensemble Model for Augmented Infant Cry Classification. Frontiers in Public Health, 2022, 10, 819865.	2.7	9
33	Enhanced diffie-hellman algorithm for reliable key exchange. IOP Conference Series: Materials Science and Engineering, 2017, 263, 042015.	0.6	8
34	Biometric Authentication for Intelligent and Privacy-Preserving Healthcare Systems. Journal of Healthcare Engineering, 2022, 2022, 1-15.	1.9	7
35	Challenges in Storing and Processing Big Data Using Hadoop and Spark. , 2019, , 179-187.		6
36	Effective Classification of Major Depressive Disorder Patients Using Machine Learning Techniques. Recent Patents on Computer Science, 2019, 12, 41-48.	0.5	5

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37	A Deep Convolutional Neural Network based Approach for Effective Neonatal cry Classification. Recent Advances in Computer Science and Communications, 2020, 13, .	0.7	5
38	Improving cloud security by enhancing remote data integrity checking algorithm. , 2017, , .		4
39	A Study on Virtual and Augmented Reality in Real-Time Surgery. , 2019, , .		4
40	A novel and efficient public key encryption algorithm. International Journal of Information and Communication Technology, 2016, 9, 199.	0.1	3
41	Hybrid approach for semantic similarity calculation between Tamil words. International Journal of Innovative Computing and Applications, 2021, 12, 13.	0.2	3
42	Performance Assessment of Certain Machine Learning Models for Predicting the Major Depressive Disorder among IT Professionals during Pandemic times. Computational Intelligence and Neuroscience, 2021, 2021, 1-12.	1.7	3
43	Enhanced QoS Through Optimized Architecture for Video Streaming Applications in Heterogeneous Networks. Wireless Personal Communications, 2021, 118, 1655-1673.	2.7	3
44	Effective Mining Approach to Produce Quality Search Results Using Proposed Approach. International Journal of Intelligent Engineering and Systems, 2017, 10, 435-443.	0.6	3
45	Cardiac Arrhythmia Detection Using Ensemble of Machine Learning Algorithms. Advances in Intelligent Systems and Computing, 2020, , 475-487.	0.6	3
46	A novel and efficient key sharing technique for web applications. , 2013, , .		2
47	Developing a PDA to control device using proposed algorithm. , 2017, , .		2
48	Word sense disambiguation in Tamil using Indo-WordNet and cross-language semantic similarity. International Journal of Intelligent Enterprise, 2021, 8, 62.	0.2	2
49	Universal Encryption Algorithm using Logical Operations and Bits Shuffling for Unicode. Indian Journal of Science and Technology, 2015, 8, .	0.7	2
50	ResMem-Net: memory based deep CNN for image memorability estimation. PeerJ Computer Science, 2021, 7, e767.	4.5	2
51	Low-Light Image Enhancement Based on Generative Adversarial Network. Frontiers in Genetics, 2021, 12, 799777.	2.3	2
52	Deep Convolutional Neural Network based Feature Extraction with optimized Machine Learning Classifier in Infant Cry Classification. , 2020, , .		2
53	A centralized system to support health care in India using cloud. , 2017, , .		1
54	Detection of Blood Vessels in Retinal Images using Line Tracking Algorithm. , 2019, , .		1

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55	Role of M-CORD Computing Architecture for Over the Top (OTT) Services and Applications. Learning and Analytics in Intelligent Systems, 2021, , 75-86.	0.6	1
56	Hybrid approach for semantic similarity calculation between Tamil words. International Journal of Innovative Computing and Applications, 2021, 12, 1.	0.2	1
57	A Secured and Time Efficient Electronic Business Framework Based on Public Key Cryptography. International Review on Computers and Software, 2014, 9, 1791.	0.1	1
58	A novel and efficient public key encryption algorithm. International Journal of Information and Communication Technology, 2016, 9, 199.	0.1	1
59	Calorie Measurement: Predicting the Nutrient Content of Food using image Analysis. Research Journal of Pharmacy and Technology, 2018, 11, 959.	0.8	1
60	Intelligent Phishing Detection System Using Feature Analysis. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2533-2538.	0.4	1
61	BESM based approach to build energy efficient smart homes. , 2017, , .		0
62	Robust design and validation of balanced tournaments via Hamiltonian path. Journal of Information and Optimization Sciences, 2018, 39, 1783-1799.	0.3	0
63	Multi Authority Privacy Preserving Protocol in Cloud Computing Authentication using Grouping Algorithm and EDAC-MAC. , 2019, , .		0
64	Automated Blood Donation System using Machine Learning Approach. , 2019, , .		0
65	Word Sense Disambiguation in Tamil using Indo Wordnet and Cross-Language Semantic Similarity. International Journal of Intelligent Enterprise, 2020, 1, 1.	0.2	0