

Mamta Mittal

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

2,389
citations

236925

25
h-index

233421

45
g-index

96
all docs

96
docs citations

96
times ranked

1545
citing authors

#	ARTICLE	IF	CITATIONS
1	Generative adversarial network: An overview of theory and applications. International Journal of Information Management Data Insights, 2021, 1, 100004.	9.7	188
2	Deep learning based enhanced tumor segmentation approach for MR brain images. Applied Soft Computing Journal, 2019, 78, 346-354.	7.2	167
3	Big Data and Machine Learning Based Secure Healthcare Framework. Procedia Computer Science, 2018, 132, 1049-1059.	2.0	146
4	An ensemble approach for classification and prediction of diabetes mellitus using soft voting classifier. International Journal of Cognitive Computing in Engineering, 2021, 2, 40-46.	8.2	143
5	An Efficient Edge Detection Approach to Provide Better Edge Connectivity for Image Analysis. IEEE Access, 2019, 7, 33240-33255.	4.2	135
6	Gastrointestinal diseases segmentation and classification based on duo-deep architectures. Pattern Recognition Letters, 2020, 131, 193-204.	4.2	111
7	Detecting Pneumonia Using Convolutions and Dynamic Capsule Routing for Chest X-ray Images. Sensors, 2020, 20, 1068.	3.8	93
8	ARM-AMO: An efficient association rule mining algorithm based on animal migration optimization. Knowledge-Based Systems, 2018, 154, 68-80.	7.1	76
9	Reliability and energy efficient workflow scheduling in cloud environment. Cluster Computing, 2019, 22, 1283-1297.	5.0	71
10	Deep neural network features fusion and selection based on PLS regression with an application for crops diseases classification. Applied Soft Computing Journal, 2021, 103, 107164.	7.2	70
11	Fake News Detection Using a Blend of Neural Networks: An Application of Deep Learning. SN Computer Science, 2020, 1, 1.	3.6	60
12	Diabetic Retinopathy Diagnosis from Retinal Images Using Modified Hopfield Neural Network. Journal of Medical Systems, 2018, 42, 247.	3.6	57
13	A hierarchical three-step superpixels and deep learning framework for skin lesion classification. Methods, 2022, 202, 88-102.	3.8	51
14	Clustering approaches for high-dimensional databases: A review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1300.	6.8	47
15	Adoption of artificial intelligence in smart cities: A comprehensive review. International Journal of Information Management Data Insights, 2022, 2, 100076.	9.7	47
16	Monitoring the Impact of Economic Crisis on Crime in India Using Machine Learning. Computational Economics, 2019, 53, 1467-1485.	2.6	42
17	Corona Virus - SARS-CoV-2: An Insight to Another way of Natural Disaster. EAI Endorsed Transactions on Pervasive Health and Technology, 2020, 6, 164823.	0.9	42
18	An improved salient object detection algorithm combining background and foreground connectivity for brain image analysis. Computers and Electrical Engineering, 2018, 71, 692-703.	4.8	41

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19	Mixed Pixel Decomposition Based on Extended Fuzzy Clustering for Single Spectral Value Remote Sensing Images. <i>Journal of the Indian Society of Remote Sensing</i> , 2019, 47, 427-437.	2.4	35
20	Cloud-based framework to mitigate the impact of COVID-19 on seafarers's™ mental health. <i>International Maritime Health</i> , 2020, 71, 213-214.	0.7	34
21	A new feature selection method based on machine learning technique for air quality dataset. <i>Journal of Statistics and Management Systems</i> , 2019, 22, 697-705.	0.6	32
22	Handwritten Hindi character recognition: a review. <i>IET Image Processing</i> , 2018, 12, 1919-1933.	2.5	31
23	Application of iCloud and Wireless Sensor Network in Environmental Parameter Analysis. <i>International Journal of Sensors, Wireless Communications and Control</i> , 2018, 7, 170-177.	0.7	31
24	Estimating the prevalence of stress among Indian students during the COVID-19 pandemic: A cross-sectional study from India. <i>Journal of Taibah University Medical Sciences</i> , 2021, 16, 260-267.	0.9	28
25	Expansion of Cluster Head Stability Using Fuzzy in Cognitive Radio CR-VANET. <i>IEEE Access</i> , 2019, 7, 173185-173195.	4.2	27
26	DeepFake Video Detection: A Time-Distributed Approach. <i>SN Computer Science</i> , 2020, 1, 1.	3.6	26
27	Image Segmentation Using Deep Learning Techniques in Medical Images. <i>Algorithms for Intelligent Systems</i> , 2020, , 41-63.	0.6	24
28	Stock Price Prediction using Artificial Neural Model: An Application of Big Data. <i>EAI Endorsed Transactions on Scalable Information Systems</i> , 2018, .	0.8	23
29	Fuzzy and neutrosophic modeling for link prediction in social networks. <i>Evolving Systems</i> , 2019, 10, 629-634.	3.9	21
30	Energy Conservation in IoT-Based Smart Home and Its Automation. <i>Studies in Systems, Decision and Control</i> , 2019, , 155-177.	1.0	20
31	Monitoring the Impact of Air Quality on the COVID-19 Fatalities in Delhi, India: Using Machine Learning Techniques. <i>Disaster Medicine and Public Health Preparedness</i> , 2022, 16, 604-611.	1.3	20
32	Prediction of coefficient of consolidation in soil using machine learning techniques. <i>Microprocessors and Microsystems</i> , 2021, 82, 103830.	2.8	20
33	Ocular dirofilariasis in Dubai, UAE. <i>Indian Journal of Ophthalmology</i> , 2008, 56, 325.	1.1	20
34	Gastric Tract Infections Detection and Classification from Wireless Capsule Endoscopy using Computer Vision Techniques: A Review. <i>Current Medical Imaging</i> , 2021, 16, 1229-1242.	0.8	19
35	An efficient correlation based adaptive LASSO regression method for air quality index prediction. <i>Earth Science Informatics</i> , 2021, 14, 1777-1786.	3.2	18
36	An Eye on the Future of COVID-19: Prediction of Likely Positive Cases and Fatality in India over a 30-Day Horizon Using the Prophet Model. <i>Disaster Medicine and Public Health Preparedness</i> , 2022, 16, 980-986.	1.3	18

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37	A deep survey on supervised learning based human detection and activity classification methods. Multimedia Tools and Applications, 2021, 80, 27867-27923.	3.9	17
38	Fuzzy model generation using Subtractive and Fuzzy C-Means clustering. CSI Transactions on ICT, 2016, 4, 129-133.	1.0	16
39	Opinion Mining for the Tweets in Healthcare Sector using Fuzzy Association Rule. EAI Endorsed Transactions on Pervasive Health and Technology, 2018, 4, 159861.	0.9	16
40	Factors affecting digital education during COVID-19: A statistical modeling approach. , 2020, , .		15
41	Analysis of Air Quality using Univariate and Multivariate Time Series Models. , 2020, , .		15
42	Web-based chatbot for Frequently Asked Queries (FAQ) in Hospitals. Journal of Taibah University Medical Sciences, 2021, 16, 740-746.	0.9	15
43	Swarm-LSTM: Condition Monitoring of Gearbox Fault Diagnosis Based on Hybrid LSTM Deep Neural Network Optimized by Swarm Intelligence Algorithms. Computers, Materials and Continua, 2021, 66, 2041-2059.	1.9	15
44	Improved ECG Watermarking Technique Using Curvelet Transform. Sensors, 2020, 20, 2941.	3.8	15
45	Ambient Air Quality Estimation using Supervised Learning Techniques. EAI Endorsed Transactions on Scalable Information Systems, 2019, 6, 159628.	0.8	15
46	Adaptive Threshold Based Clustering. International Journal of Information System Modeling and Design, 2019, 10, 42-59.	1.1	13
47	Information Management Challenges in Autonomous Vehicles. Journal of Cases on Information Technology, 2021, 23, 58-77.	0.7	12
48	Image Watermarking in Curvelet Domain Using Edge Surface Blocks. Symmetry, 2020, 12, 822.	2.2	11
49	Efficient weighted naive bayes classifiers to predict air quality index. Earth Science Informatics, 2022, 15, 541-552.	3.2	11
50	Classification of Fake News by Fine-tuning Deep Bidirectional Transformers based Language Model. EAI Endorsed Transactions on Scalable Information Systems, 0, , 163973.	0.8	10
51	Big Data in Healthcare. Lecture Notes in Networks and Systems, 2019, , 261-269.	0.7	9
52	Optimal balancing & efficient feature ranking approach to minimize credit risk. International Journal of Information Management Data Insights, 2021, 1, 100037.	9.7	9
53	Performance Evaluation of Threshold-Based and k-means Clustering Algorithms Using Iris Dataset. Recent Patents on Engineering, 2019, 13, 131-135.	0.4	8
54	Comparative Analysis of Clustering Methods. International Journal of Computer Applications, 2015, 118, 30-35.	0.2	8

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55	Efficient random data accessing in MapReduce. , 2017, , .		7
56	The Rudiments of Energy Conservation and IoT. Studies in Systems, Decision and Control, 2019, , 1-17.	1.0	7
57	Random automatic detection of clusters. , 2011, , .		6
58	Ambient Air Quality Estimation using Supervised Learning Techniques. EAI Endorsed Transactions on Scalable Information Systems, 2018, .	0.8	6
59	Internet of Thingsâ€“triggered and power-efficient smart pedometer algorithm for intelligent wearable devices. , 2020, , 1-23.		5
60	Video Caption Based Searching Using End-to-End Dense Captioning and Sentence Embeddings. Symmetry, 2020, 12, 992.	2.2	5
61	FEMT: a computational approach for fog elimination using multiple thresholds. Multimedia Tools and Applications, 2021, 80, 227-241.	3.9	5
62	An efficient method of multicolor detection using global optimum thresholding for image analysis. Multimedia Tools and Applications, 2021, 80, 18969-18991.	3.9	5
63	Performance Evaluation and Energy Efficient VM Placement for Fog-Assisted IoT Environment. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 129-146.	0.7	5
64	Spatial data analysis using association rule mining in distributed environments: a privacy prospect. Spatial Information Research, 2018, 26, 629-638.	2.2	4
65	Design and Development of a Cloud Assisted Robot. Communications in Computer and Information Science, 2018, , 419-429.	0.5	4
66	Morphological classification of galaxies using Conv-nets. Earth Science Informatics, 2020, 13, 1427-1436.	3.2	4
67	A Deep Neural Network Model for Cross-Domain Sentiment Analysis. International Journal of Information System Modeling and Design, 2021, 12, 1-16.	1.1	4
68	Prediction of Air Quality Index Using Hybrid Machine Learning Algorithm. Lecture Notes in Networks and Systems, 2021, , 439-449.	0.7	4
69	Trust Models in Grid Computing: A Review. Recent Patents on Engineering, 2019, 13, 94-100.	0.4	4
70	Big Data and Behavior Analytics in Marketing. , 2018, , 225-242.		4
71	Music Tagging and Similarity Analysis for Recommendation System. Advances in Intelligent Systems and Computing, 2020, , 477-485.	0.6	4
72	Opinion mining using ontological spam detection. , 2017, , .		3

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73	Relation of Live Projects with Employability using Path Analysis Model. <i>Procedia Computer Science</i> , 2020, 167, 1675-1683.	2.0	3
74	COVID-19 vaccine on board ships: current and future implications of seafarers. <i>International Maritime Health</i> , 2021, 72, 76-77.	0.7	3
75	Emoticon Prediction on Textual Data Using Stacked LSTM Model. <i>Lecture Notes in Networks and Systems</i> , 2020, , 259-269.	0.7	3
76	Modified Single Pass Clustering Algorithm Based on Median as a Threshold Similarity Value. <i>Advances in Data Mining and Database Management Book Series</i> , 2017, , 24-48.	0.5	3
77	Consumption of Licit and Illicit Substances leading to Mental Illness: A Prevalence Study. <i>EAI Endorsed Transactions on Pervasive Health and Technology</i> , 2020, 6, 164415.	0.9	3
78	A Review on IoT-Based Hybrid Navigation System for Mid-sized Autonomous Vehicles. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 735-744.	0.4	3
79	Tinea corporis infection manifestating as retinochoroiditisâ€”an unusual presentation. <i>Journal of Ophthalmic Inflammation and Infection</i> , 2019, 9, 8.	2.2	2
80	Demographical gender prediction of Twitter users using big data analytics: an application of decision marketing. <i>International Journal of Reasoning-based Intelligent Systems</i> , 2021, 13, 41.	0.1	2
81	Optimized outdoor parking system for smart cities using advanced saliency detection method and hybrid features extraction model. <i>Journal of Taibah University for Science</i> , 2022, 16, 401-414.	2.5	2
82	Analysis of wavelet, ridgelet, curvelet and bandelet transforms for QR code based image steganography. , 2017, , .		1
83	Editorial: Wireless Sensor Network: Design, Architecture, Application, Data Communication Security and Management. <i>International Journal of Sensors, Wireless Communications and Control</i> , 2018, 7, 169-169.	0.7	1
84	IoT based Image Defogging System for road accident control during winters. , 2020, , .		1
85	Predictive modeling of Pan Evaporation using Random Forest Algorithm along with Features Selection. , 2020, , .		1
86	A Comparative Study on Speech Output System â€œEmacspeakâ€. <i>Global Journal of Enterprise Information System</i> , 2017, 9, 54.	0.1	1
87	Data Visualization in the Transformation of Healthcare Industries. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2021, , 1-23.	0.7	0
88	Analysis of Algorithms in Medical Image Processing. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 99-111.	0.4	0
89	Analysis of Big Data Using Two Mapper Files in Hadoop. <i>International Journal of Security and Privacy in Pervasive Computing</i> , 2021, 13, 69-77.	0.4	0
90	Prediction of Rise in Violence Inclined Opinions: Utility of Sentiment Analysis in the Modern World. <i>Lecture Notes in Networks and Systems</i> , 2020, , 149-159.	0.7	0

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91	Prediction of Solar Radiation using Hybrid Discriminant-Neural Network. , 2020, , .		0