Rashedur M Rahman

List of Publications by Year
in descending order

156 papers	1,158 citations	840776 11 h-index	610901 24 g-index
158 all docs	158 docs citations	158 times ranked	808 citing authors

#	Article	IF	Citations
1	Improving Spatial Agreement in Machine Learning-Based Landslide Susceptibility Mapping. Remote Sensing, 2020, 12, 3347.	4.0	70
2	Implementation and performance analysis of various VM placement strategies in CloudSim. Journal of Cloud Computing: Advances, Systems and Applications, 2015, 4, .	3.9	60
3	VM consolidation approach based on heuristics, fuzzy logic, and migration control. Journal of Cloud Computing: Advances, Systems and Applications, 2016, 5, .	3.9	49
4	Localized twitter opinion mining using sentiment analysis. Decision Analytics, 2015, 2, .	1.4	48
5	Replica selection strategies in data grid. Journal of Parallel and Distributed Computing, 2008, 68, 1561-1574.	4.1	46
6	Replica Placement Strategies in Data Grid. Journal of Grid Computing, 2008, 6, 103-123.	3.9	43
7	Violence Detection by Pretrained Modules with Different Deep Learning Approaches. Vietnam Journal of Computer Science, 2020, 07, 19-40.	1.2	41
8	Using and comparing different decision tree classification techniques for mining ICDDR,B Hospital Surveillance data. Expert Systems With Applications, 2011, 38, 11421-11436.	7.6	39
9	Applying data mining techniques to predict annual yield of major crops and recommend planting different crops in different districts in Bangladesh. , 2015, , .		28
10	Water Level Forecasting Using Spatiotemporal Attention-Based Long Short-Term Memory Network. Water (Switzerland), 2022, 14, 612.	2.7	24
11	Machine learning for predicting landslide risk of Rohingya refugee camp infrastructure. Journal of Information and Telecommunication, 2020, 4, 175-198.	2.8	21
12	Fuzzy logic based dynamic load balancing in virtualized data centers. , 2013, , .		20
13	Comparative study of ANFIS and ARIMA model for weather forecasting in Dhaka. , 2013, , .		19
14	Analysis of Soil Properties and Climatic Data to Predict Crop Yields and Cluster Different Agricultural Regions of Bangladesh. , 2018, , .		19
15	Data mining approaches to predict final grade by overcoming class imbalance problem. , 2014, , .		18
16	Replica selection in grid environment. , 2005, , .		17
17	Task shape classification and workload characterization of google cluster trace. , 2014, , .		17
18	Study and performance analysis of various VM placement strategies. , 2015, , .		16

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19	Implementation of modified overload detection technique with VM selection strategies based on heuristics and migration control. , 2015, , .		16
20	A Predictive Technique for Replica Selection in Grid Environment. , 2007, , .		15
21	Diagnosis of kidney disease using fuzzy expert system. , 2014, , .		15
22	Violent Crowd Flow Detection Using Deep Learning. Lecture Notes in Computer Science, 2019, , 613-625.	1.3	15
23	Deep learning based question answering system in Bengali. Journal of Information and Telecommunication, 0, , 1-34.	2.8	15
24	Speed and direction based fuzzy handover system. , 2013, , .		14
25	Machine Learning Facilitated Rice Prediction in Bangladesh. , 2014, , .		14
26	Neural network and regression based processor load prediction for efficient scaling of Grid and Cloud resources. , 2011, , .		13
27	A data mining based spam detection system for YouTube. , 2013, , .		13
28	Content based news recommendation system based on fuzzy logic. , 2014, , .		13
29	Focused domain contextual AI chatbot framework for resource poor languages. Journal of Information and Telecommunication, 2019, 3, 248-269.	2.8	13
30	Performance evaluation of different replica placement algorithms. International Journal of Grid and Utility Computing, 2009, 1, 121.	0.2	12
31	Analysis of Optimum Crop Cultivation using Fuzzy System. , 2016, , .		12
32	National-scale flood risk assessment using GIS and remote sensing-based hybridized deep neural network and fuzzy analytic hierarchy process models: a case of Bangladesh. Geocarto International, 2022, 37, 12119-12148.	3.5	12
33	Fruit Image Classification Using Convolutional Neural Networks. International Journal of Software Innovation, 2019, 7, 51-70.	0.4	11
34	Bengali Fake News Detection. , 2020, , .		11
35	Application of Data Mining Techniques on Air Pollution of Dhaka City. , 2020, , .		11
36	Bangla User Adaptive Word Speech Recognition. International Journal of Fuzzy System Applications, 2013, 3, 1-36.	0.7	11

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37	Fuzzy rule-based hand gesture recognition for bengali characters. , 2014, , .		10
38	An intelligent system to predict academic performance based on different factors during adolescence. Journal of Information and Telecommunication, 2017, 1, 155-175.	2.8	10
39	Deep learning approach on tabular data to predict early-onset neonatal sepsis. Journal of Information and Telecommunication, 2021, 5, 226-246.	2.8	10
40	Workload Prediction on Google Cluster Trace. International Journal of Grid and High Performance Computing, 2014, 6, 34-52.	0.9	9
41	An adaptive grayscale image de-noising technique by fuzzy inference system. , 2017, , .		9
42	Analyzing Accident Prone Regions by Clustering. Studies in Computational Intelligence, 2017, , 3-13.	0.9	8
43	Sentiment analysis of bangla microblogs using adaptive neuro fuzzy system. , 2017, , .		8
44	A step towards information extraction: Named entity recognition in Bangla using deep learning. Journal of Intelligent and Fuzzy Systems, 2019, 37, 7401-7413.	1.4	8
45	Oboyob: A sequential-semantic Bengali image captioning engine. Journal of Intelligent and Fuzzy Systems, 2019, 37, 7427-7439.	1.4	8
46	Dense prediction of label noise for learning building extraction from aerial drone imagery. International Journal of Remote Sensing, 2021, 42, 8906-8929.	2.9	8
47	Association Rule Mining and Audio Signal Processing for Music Discovery and Recommendation. International Journal of Software Innovation, 2016, 4, 71-87.	0.4	8
48	Replica Placement in Data Grid: A Multi-objective Approach. Lecture Notes in Computer Science, 2005, , 645-656.	1.3	7
49	Clustered based VM placement strategies. , 2015, , .		7
50	Effective Dynamic Replica Maintenance Algorithm for the Grid Environment. Lecture Notes in Computer Science, 2006, , 336-345.	1.3	7
51	Fuzzy Logic Based Energy Aware VM Consolidation. Lecture Notes in Computer Science, 2015, , 31-38.	1.3	7
52	Effects of Label Noise on Performance of Remote Sensing and Deep Learning-Based Water Body Segmentation Models. Cybernetics and Systems, 2022, 53, 581-606.	2.5	7
53	Study of different forecasting models on Google cluster trace. , 2014, , .		6
54	Application of data mining tools for rice yield prediction on clustered regions of Bangladesh. , 2014, , .		6

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55	A fuzzy based recommendation system with collaborative filtering. , 2014, , .		6
56	Churn analysis: Predicting churners. , 2014, , .		6
57	Artificial Neural Network and Machine Learning Based Methods for Population Estimation of Rohingya Refugees: Comparing Data-Driven and Satellite Image-Driven Approaches. Vietnam Journal of Computer Science, 2019, 06, 439-455.	1.2	6
58	Learning to extract buildings from ultra-high-resolution drone images and noisy labels. International Journal of Remote Sensing, 2020, 41, 8216-8237.	2.9	6
59	Energy-aware VM consolidation approach using combination of heuristics and migration control. , 2014, , .		5
60	Determination of Academic Performance and Academic Consistency by Fuzzy Logic. , 2018, , .		5
61	Early Detection of Glaucoma Using Fuzzy Logic in Bangladesh Context. , 2018, , .		5
62	Performance Analysis of Different Recurrent Neural Network Architectures and Classical Statistical Model for Financial Forecasting: A Case Study on Dhaka Stock Exchange. Advances in Intelligent Systems and Computing, 2019, , 277-286.	0.6	5
63	A Blockchain, Smart Contract and Data Mining Based Approach toward the Betterment of E-Commerce. Cybernetics and Systems, 2022, 53, 443-467.	2.5	5
64	A personalized music recommender service based on Fuzzy Inference System. , 2016, , .		4
65	Adaptive food suggestion engine by fuzzy logic. , 2016, , .		4
66	Analyzing patterns of numerously occurring heart diseases using association rule mining. , 2017, , .		4
67	A Fuzzy Logic Approach to Predict the Popularity of a Presidential Candidate. Studies in Computational Intelligence, 2018, , 63-74.	0.9	4
68	Classification of Deep-SAT Images under Label Noise. Applied Artificial Intelligence, 2021, 35, 1196-1218.	3.2	4
69	Performance Analysis of Sequential and Parallel Neural Network Algorithm for Stock Price Forecasting. International Journal of Grid and High Performance Computing, 2011, 3, 45-68.	0.9	4
70	Stock Trading Rule Discovery based on temporal data mining. , 2010, , .		3
71	Universal database access layer to facilitate query. , 2014, , .		3
72	Prediction of stock price based on hidden Markov model and nearest neighbour algorithm. International Journal of Information and Decision Sciences, 2014, 6, 262.	0.1	3

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73	Movie Recommendation System Based on Fuzzy Inference System and Adaptive Neuro Fuzzy Inference System. International Journal of Fuzzy System Applications, 2015, 4, 31-69.	0.7	3
74	Analysis and classification of respiratory health risks with respect to air pollution levels. , 2015, , .		3
75	Potential Risk Factor Analysis and Risk Prediction System for Stroke Using Fuzzy Logic. Advances in Intelligent Systems and Computing, 2017, , 262-272.	0.6	3
76	Improved Stock Price Prediction by Integrating Data Mining Algorithms and Technical Indicators: A Case Study on Dhaka Stock Exchange. Lecture Notes in Computer Science, 2017, , 288-297.	1.3	3
77	Fusion of BWM and AHP MCDM Methods to Choose the Most Suitable Secondary School for an Individual in the Context of Bangladesh. Vietnam Journal of Computer Science, 2019, 06, 311-328.	1.2	3
78	An algorithmic approach to estimate cognitive aesthetics of images relative to ground truth of human psychology through a large user study. Journal of Information and Telecommunication, 2019, 3, 156-179.	2.8	3
79	A Novel Fuzzy Inspired Bat Algorithm for Multidimensional Function Optimization Problem. International Journal of Fuzzy System Applications, 2019, 8, 83-100.	0.7	3
80	Comparative Study of Classifiers on Human Activity Recognition by Different Feature Engineering Techniques. , 2020, , .		3
81	Predicting Early Crop Production by Analysing Prior Environment Factors. Advances in Intelligent Systems and Computing, 2017, , 470-479.	0.6	3
82	Salary Increment Model Based on Fuzzy Logic. Advances in Intelligent Systems and Computing, 2019, , 344-353.	0.6	3
83	CAPMAuction: Reputation indexed auction model for resource allocation in Grid computing. , 2012, , .		2
84	A fuzzy neuro approach to identify diarrhea epidemic in Bangladesh. , 2014, , .		2
85	Mining ICDDR, B Hospital Surveillance Data and Exhibiting Strategies for Balancing Large Unbalanced Datasets. International Journal of Healthcare Information Systems and Informatics, 2015, 10, 39-66.	0.9	2
86	Data mining techniques to analyze the reason for home birth in Bangladesh. , 2015, , .		2
87	Investigation of localized sentiment for a given product by analyzing tweets. , 2015, , .		2
88	Prediction of HSC examination performance using socioeconomic, psychological and academic factors. , 2016, , .		2
89	Bangla News Summarization. Lecture Notes in Computer Science, 2017, , 479-488.	1.3	2
90	Tourist spot recommendation system using fuzzy inference system. , 2017, , .		2

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91	Application of Fuzzy Logic for Adaptive Food Recommendation. International Journal of Fuzzy System Applications, 2017, 6, 110-133.	0.7	2
92	Crime Prediction Using Multiple-ANFIS Architecture and Spatiotemporal Data. , 2018, , .		2
93	Fuzzy Predictive Model for Estimating the Risk Level of Maternal Mortality while Childbirth. , 2018, , .		2
94	Automatic Categorization of Traditional Clothing Using Convolutional Neural Network. , 2018, , .		2
95	Income Based Food List Recommendation for Rural People Using Fuzzy Logic. , 2018, , .		2
96	Predicting Early Neonatal Sepsis using Neural Networks and Other Classifiers. , 2020, , .		2
97	IoT Botnet Detection Using Various One-Class Classifiers. Vietnam Journal of Computer Science, 2021, 08, 291-310.	1.2	2
98	Prediction of Academic Performance During Adolescence Based on Socioeconomic, Psychological and Academic Factors. Studies in Computational Intelligence, 2017, , 71-80.	0.9	2
99	A Fuzzy Approach for the Diagnosis of Depression. Studies in Computational Intelligence, 2018, , 199-211.	0.9	2
100	Implementation and Performance Analysis of Fuzzy Replica Replacement Algorithm in Data Grid. Studies in Computational Intelligence, 2011, , 95-110.	0.9	2
101	Fuzzy Dynamic Load Balancing in Virtualized Data Centers of SaaS Cloud Provider. International Journal of Fuzzy System Applications, 2015, 4, 50-71.	0.7	2
102	Effects of Label Noise on Regression Performances and Model Complexities for Hybridized Machine Learning Based Spatial Flood Susceptibility Modelling. Cybernetics and Systems, 2022, 53, 362-379.	2.5	2
103	Solar PV System for Self-Consumption. , 2022, , .		2
104	Algorithms to predict opening price and trading decision of stocks in Dhaka Stock Exchange. , 2011, , .		1
105	Bibliomining on North South University library data. , 2013, , .		1
106	Application of association rule mining for replication in scientific data grid. , 2014, , .		1
107	Budget allocation model for the academic library acquisition using data mining technique. , 2014, , .		1
108	Sign Language Recognition for Bengali Characters. International Journal of Fuzzy System Applications, 2015, 4, 1-14.	0.7	1

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109	A personalized music discovery service based on data mining. , 2015, , .		1
110	Application of Fuzzy Logic for Generating Interpretable Pattern for Diabetes Disease in Bangladesh. Advances in Intelligent Systems and Computing, 2016, , 403-413.	0.6	1
111	Detection of Dengue Epidemic in Dhaka, Bangladesh by a Neuro Fuzzy Approach. Studies in Computational Intelligence, 2016, , 165-174.	0.9	1
112	Analyzing Life Insurance Data with Different Classification Techniques for Customersâ€™ Behavior Analysis. Studies in Computational Intelligence, 2017, , 15-25.	0.9	1
113	Classification of Product Rating Using Data Mining Techniques. Studies in Computational Intelligence, 2017, , 27-36.	0.9	1
114	Critical condition classification of patients from ICCDR,B hospital surveillance data. International Journal of Advanced Intelligence Paradigms, 2017, 9, 347.	0.3	1
115	TV series recommendation using fuzzy inference system, K-Means clustering and adaptive neuro fuzzy inference system. , 2017, , .		1
116	Fuzzy logic-based VM selection strategy for cloud environment. International Journal of Cloud Computing, 2017, 6, 163.	0.3	1
117	Detection of Exoplanet Systems In Kepler Light Curves Using Adaptive Neuro-Fuzzy System. , 2018, , .		1
118	Classification Based on Spectral Characterization and Analysis of Land Cover Change in Dhaka. , 2018, , .		1
119	Identifying Flood Prone Regions in Bangladesh by Clustering. , 2018, , .		1
120	Prediction of Autism Severity Level in Bangladesh Using Fuzzy Logic: FIS and ANFIS. Lecture Notes in Computer Science, 2019, , 201-210.	1.3	1
121	Analysis of Soil and Various Geo-technical Properties using Data Mining Techniques. , 2020, , .		1
122	Cluster Analysis, Classification and Forecasting Tool on DS30 for Better Investment Decision. Advances in Intelligent Systems and Computing, 2017, , 197-206.	0.6	1
123	Scoring Photographic Rule of Thirds in a Large MIRFLICKR Dataset: A Showdown Between Machine Perception and Human Perception of Image Aesthetics. Lecture Notes in Computer Science, 2018, , 466-475.	1.3	1
124	CAPM Indexed Hybrid E-Negotiation for Resource Allocation in Grid Computing. International Journal of Grid and High Performance Computing, 2013, 5, 72-91.	0.9	1
125	Label noise tolerance of deep semantic segmentation networks for extracting buildings in ultra-high-resolution aerial images of semi-built environments. Geocarto International, 0, , 1-18.	3.5	1
126	Decision Tree Based Routine Generation (DRG) Algorithm: A Data Mining Advancement to Generate Academic Routine and Exam-time Tabling for Open Credit System. Journal of Computers, 2010, 5, .	0.4	1

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127	Application of Data Mining Techniques on Library Circulation Data for Library Material Acquisition and Budget Allocation. Advances in Business Information Systems and Analytics Book Series, 2015, , 334-354.	0.4	1
128	Determining Murder Prone Areas Using Modified Watershed Model. Lecture Notes in Computer Science, 2017, , 307-316.	1.3	1
129	Fuzzy Dynamic Load Balancing in Virtualized Data Centers of SaaS Cloud Provider. , 2017, , 1643-1665.		1
130	Deep Learning and Data Balancing Approaches in Mining Hospital Surveillance Data. Advances in Healthcare Information Systems and Administration Book Series, 2018, , 140-212.	0.2	1
131	Effect of Label Noise on Multi-Class Semantic Segmentation: A Case Study on Bangladesh Marine Region. Applied Artificial Intelligence, 2022, 36, .	3.2	1
132	IronMan: An Android-Web Based Application for Laundry Services. , 2022, , .		1
133	A Real-Time Parking Space Occupancy Detection Using Deep Learning Model. , 2022, , .		1
134	Spatial data mining on literacy rates and educational establishments in Bangladesh. , 2010, , .		0
135	Clustering XML Elements for Efficient Code Generation. , 2011, , .		0
136	Global and Local Spatial Data Mining on Literacy Rates of Bangladesh. , 2011, , .		0
137	Mining biomedical data from hypertext documents. , 2011, , .		0
138	Spatio-temporal patterns in climate and hydrologic features. , 2013, , .		0
139	Bangla printed word recognition using histogram based approach and fuzzy logic. , 2013, , .		0
140	Temperature mining using spatio-temporal based neuro system. , 2013, , .		0
141	Mining Bug Database for Detecting Potential Areas of Bug Occurrence. , 2014, , .		0
142	Risk assessment of the top five malignancies among males and females with respect to occupation, educational status and smoking habits. , 2016, , .		0
143	A Case Study on Flat Rate Estimation Based on Fuzzy Logic. Advances in Intelligent Systems and Computing, 2017, , 322-332.	0.6	0
144	A Fuzzy Logic Based Recommendation System for Classified Advertisement Websites. Advances in Intelligent Systems and Computing, 2017, , 249-261.	0.6	0

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145	Audio Gadget Recommendation by Fuzzy Logic. Advances in Intelligent Systems and Computing, 2019, , 266-276.	0.6	0
146	Kinect 3D Reconstruction Fusion Mapping with C# Algorithm by RGB-D Sensor. , 2019, , .		0
147	Differential color harmony: A robust approach for extracting harmonic color features and perceiving aesthetics in a large image dataset. , 2020, , 1-13.		0
148	Mining ICDDR, B Hospital Surveillance Data Using Locally Linear Embedding Based SMOTE Algorithm and Multilayer Perceptron. Lecture Notes in Computer Science, 2015, , 398-407.	1.3	0
149	A Data Mining Approach to Improve Remittance by Job Placement in Overseas. Lecture Notes in Computer Science, 2017, , 298-306.	1.3	0
150	Movie Recommendation System Based on Fuzzy Inference System and Adaptive Neuro Fuzzy Inference System. , 2017, , 573-608.		0
151	Perceiving Attributes of Game AI Using Fuzzy Logic. Studies in Computational Intelligence, 2018, , 161-172.	0.9	0
152	Fuzzy Logic Based Weight Balancing. Advances in Intelligent Systems and Computing, 2019, , 354-363.	0.6	0
153	Analysis of Spatial Data and Time Series for Predicting Magnitude of Seismic Zones in Bangladesh. Advances in Intelligent Systems and Computing, 2019, , 364-373.	0.6	0
154	Bangla User Adaptive Word Speech Recognition. , 0, , 937-969.		0
155	Integration of fuzzy logic in the SEIRD compartmental model for the analysis of intervention and transmission heterogeneity on SARS-CoV-2 transmission dynamics. International Journal of Modern Physics C, 0, , .	1.7	0
156	Image Captioning- Bangladesh's Heritage Perspective Using Deep Learning. , 2022, , .		0