Mohammad Hossain

List of Publications by Year
in descending order

88 papers	1,892 citations	471061 17 h-index	433756 31 g-index
94 all docs	94 docs citations	94 times ranked	654 citing authors

#	Article	IF	Citations
1	IoT Based Real-time River Water Quality Monitoring System. Procedia Computer Science, 2019, 155, 161-168.	1.2	129
2	A Belief Rule Based Expert System for Datacenter PUE Prediction under Uncertainty. IEEE Transactions on Sustainable Computing, 2017, 2, 140-153.	2.2	72
3	A Belief Rule Based Expert System to Assess Tuberculosis under Uncertainty. Journal of Medical Systems, 2017, 41, 43.	2.2	67
4	Static Hand Gesture Recognition using Convolutional Neural Network with Data Augmentation. , 2019, , .		67
5	IoT based Smart System to Support Agricultural Parameters: A Case Study. Procedia Computer Science, 2019, 155, 648-653.	1.2	60
6	Bangla Handwritten Character Recognition using Convolutional Neural Network with Data Augmentation. , 2019, , .		59
7	A novel anomaly detection algorithm for sensor data under uncertainty. Soft Computing, 2018, 22, 1623-1639.	2.1	57
8	Facial Expression Recognition using Convolutional Neural Network with Data Augmentation. , 2019, , .		54
9	A belief rule-based expert system to assess suspicion of acute coronary syndrome (ACS) under uncertainty. Soft Computing, 2018, 22, 7571-7586.	2.1	52
10	An Integrated Approach of Belief Rule Base and Deep Learning to Predict Air Pollution. Sensors, 2020, 20, 1956.	2.1	52
11	A Deep Learning Inspired Belief Rule-Based Expert System. IEEE Access, 2020, 8, 190637-190651.	2.6	42
12	Attention-Based Bi-Directional Long-Short Term Memory Network for Earthquake Prediction. IEEE Access, 2021, 9, 56589-56603.	2.6	42
13	Speech Emotion Recognition in Neurological Disorders Using Convolutional Neural Network. Lecture Notes in Computer Science, 2020, , 287-296.	1.0	39
14	License plate recognition system based on contour properties and deep learning model. , 2017, , .		37
15	Beliefâ€ruleâ€based expert systems for evaluation of eâ€government: a case study. Expert Systems, 2015, 32, 563-577.	2.9	36
16	A belief rule-based expert system to diagnose influenza. , 2014, , .		35
17	An Integrated CNN-RNN Framework to Assess Road Crack. , 2019, , .		35
18	A belief rule based expert system to assess clinical bronchopneumonia suspicion. , 2016, , .		33

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19	Performance analysis of an IP based protocol stack for WSNs. , 2016, , .		33
20	A belief rule based expert system to diagnose dengue fever under uncertainty. , 2017, , .		31
21	An Integrated Real-Time Deep Learning and Belief Rule Base Intelligent System to Assess Facial Expression Under Uncertainty. , 2020, , .		30
22	A web based belief rule based expert system to predict flood. , 2015, , .		29
23	An Integrated Neural Network and SEIR Model to Predict COVID-19. Algorithms, 2021, 14, 94.	1.2	29
24	Detection and Classification of Skin Cancer by Using a Parallel CNN Model. , 2020, , .		29
25	A Comparative Analysis of the Ensemble Method for Liver Disease Prediction. , 2019, , .		27
26	Analyzing Sentiment of Movie Reviews in Bangla by Applying Machine Learning Techniques. , 2019, , .		25
27	A belief rule based clinical decision support system to assess suspicion of heart failure from signs, symptoms and risk factors. , 2013, , .		23
28	An IoT-Belief Rule Base Smart System to Assess Autism. , 2018, , .		23
29	Heterogeneous wireless sensor networks for flood prediction decision support systems. , 2015, , .		22
30	Smart risk assessment systems using belief-rule-based DSS and WSN technologies. , 2014, , .		21
31	Capacity Management of Hyperscale Data Centers Using Predictive Modelling. Energies, 2019, 12, 3438.	1.6	21
32	An Integrated CNN-LSTM Model for Bangla Lexical Sign Language Recognition. Advances in Intelligent Systems and Computing, 2021, , 695-707.	0.5	21
33	An Integrated CNN-LSTM Model for Micro Hand Gesture Recognition. Advances in Intelligent Systems and Computing, 2021, , 379-392.	0.5	20
34	Feature Selection Based Machine Learning to Improve Prediction of Parkinson Disease. Lecture Notes in Computer Science, 2021, , 496-508.	1.0	20
35	A Novel Deep Learning Approach to Predict Air Quality Index. Advances in Intelligent Systems and Computing, 2021, , 367-381.	0.5	20
36	A Belief Rule Based Expert System for Evaluating Technological Innovation Capability of High-Tech Firms Under Uncertainty. , 2019, , .		19

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37	A Review on Recent Advancements in FOREX Currency Prediction. Algorithms, 2020, 13, 186.	1.2	19
38	A Machine Learning Based Fall Detection for Elderly People with Neurodegenerative Disorders. Lecture Notes in Computer Science, 2020, , 194-203.	1.0	19
39	An Artificial Neural Network Model for Epilepsy Seizure Detection. , 2019, , .		18
40	An interoperable IP based WSN for smart irrigation system. , 2017, , .		16
41	An Integrated Deep Learning and Belief Rule-Based Expert System for Visual Sentiment Analysis under Uncertainty. Algorithms, 2021, 14, 213.	1.2	16
42	A belief rule-based expert system to assess mental disorder under uncertainty. , 2016, , .		15
43	Recommendation System for E-commerce Using Alternating Least Squares (ALS) on Apache Spark. Advances in Intelligent Systems and Computing, 2021, , 880-893.	0.5	15
44	Comparative Analysis of Recurrent Neural Networks in Stock Price Prediction for Different Frequency Domains. Algorithms, 2021, 14, 251.	1.2	15
45	Performance analysis of a surveillance system to detect and track vehicles using Haar cascaded classifiers and optical flow method. , 2017, , .		14
46	Gender Classification from Inertial Sensor-Based Gait Dataset. Advances in Intelligent Systems and Computing, 2021, , 583-596.	0.5	14
47	An Evolutionary Belief Rule-Based Clinical Decision Support System to Predict COVID-19 Severity under Uncertainty. Applied Sciences (Switzerland), 2021, 11, 5810.	1.3	14
48	Deep Learning Approach to Classify Parkinson’s Disease from MRI Samples. Lecture Notes in Computer Science, 2021, , 536-547.	1.0	14
49	Machine learning with Belief Rule-Based Expert Systems to predict stock price movements. Expert Systems With Applications, 2022, 206, 117706.	4.4	14
50	Selection of Energy Efficient Routing Protocol for Irrigation Enabled by Wireless Sensor Network. , 2017, , .		13
51	A Belief Rule Based Flood Risk Assessment Expert System using Real Time Sensor Data Streaming. , 2018, , .		12
52	A Digital Personal Assistant using Bangla Voice Command Recognition and Face Detection. , 2019, , .		12
53	Mosquito Classification Using Convolutional Neural Network with Data Augmentation. Advances in Intelligent Systems and Computing, 2021, , 865-879.	0.5	12
54	An Integrated Deep Learning and Belief Rule Base Intelligent System to Predict Survival of COVID-19 Patient under Uncertainty. Cognitive Computation, 2022, 14, 660-676.	3.6	12

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55	Heterogeneous wireless sensor networks using CoAP and SMS to predict natural disasters. , 2017, , .		11
56	Belief-Rule-Based Intelligent Decision System to Select Hospital Location. Indonesian Journal of Electrical Engineering and Computer Science, 2016, 1, 607.	0.7	11
57	An integrated approach of Belief Rule Base and Convolutional Neural Network to monitor air quality in Shanghai. Expert Systems With Applications, 2022, 206, 117905.	4.4	11
58	Estimating an Ethical Index of Human Wellbeing. Journal of Developing Areas, 2011, 45, 375-409.	0.2	10
59	A belief rule based (BRB) system to assess asthma suspicion. , 2014, , .		10
60	Human Gender Detection from Facial Images Using Convolution Neural Network. Communications in Computer and Information Science, 2021, , 188-203.	0.4	10
61	Glaucoma Detection Using Inception Convolutional Neural Network V3. Communications in Computer and Information Science, 2021, , 17-28.	0.4	10
62	A Weighted Average Ensemble Technique to Predict Heart Disease. Lecture Notes in Networks and Systems, 2022, , 17-29.	0.5	10
63	Optimal dynamic routing protocols for agro-sensor communication in MANETs. , 2017, , .		9
64	Islamic finance instruments for promoting long-run investment in the light of the well-being criterion (maslaha). Journal of Islamic Accounting and Business Research, 2019, 10, 315-339.	1.1	8
65	Bangladeshi License Plate Recognition Using Adaboost Classifier. , 2019, , .		8
66	A CNN Based Model for Venomous and Non-venomous Snake Classification. Communications in Computer and Information Science, 2021, , 216-231.	0.4	8
67	A Deep Transfer Learning Approach to Diagnose Covid-19 using X-ray Images. , 2020, , .		8
68	A Belief Rule Base Expert System for staging Non-Small Cell Lung Cancer under Uncertainty. , 2019, , .		7
69	Early Detection of Parkinsonâ€™s Disease from Micrographic Static Hand Drawings. Lecture Notes in Computer Science, 2021, , 433-447.	1.0	7
70	A belief rule based expert system to assess Lung Cancer under uncertainty. , 2015, , .		6
71	A Belief Rule based expert system to control traffic signals under uncertainty. , 2015, , .		6
72	Human Age Estimation Using Deep Learning from Gait Data. Communications in Computer and Information Science, 2021, , 281-294.	0.4	6

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73	Inference and Learning Methodology of Belief Rule Based Expert System to Assess Chikungunya. Communications in Computer and Information Science, 2021, , 3-16.	0.4	6
74	Hand-Drawn Emoji Recognition using Convolutional Neural Network. , 2020, , .		6
75	A Belief Rule Base Approach to Support Comparison of Digital Speech Signal Features for Parkinson's Disease Diagnosis. Lecture Notes in Computer Science, 2021, , 388-400.	1.0	5
76	A Learning Mechanism for BRBES Using Enhanced Belief Rule-Based Adaptive Differential Evolution. , 2020, , .		5
77	A BRBES to Support Diagnosis of COVID-19 Using Clinical and CT Scan Data. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 483-496.	0.5	5
78	A web based belief rule based expert system for assessing flood risk. , 2017, , .		4
79	Challenges and Opportunities of Using Big Data for Assessing Flood Risks. , 2018, , 31-42.		4
80	A Belief Rule Based Expert System to Assess Meditation. , 2015, , .		3
81	Automated Acute Lymphocytic Leukemia (ALL) Detection Using Microscopic Images: AnÂEfficient CAD Approach. Lecture Notes in Networks and Systems, 2022, , 363-376.	0.5	3
82	Resolving geo‐spatial semantic conflicts – an interoperability issue. Humanomics, 2007, 23, 102-109.	0.6	2
83	D3mciAD: Data-Driven Diagnosis of Mild Cognitive Impairment Utilizing Syntactic Images Generation and Neural Nets. Lecture Notes in Computer Science, 2021, , 366-377.	1.0	2
84	Inference and Multi-level Learning in a Belief Rule-Based Expert System to Predict Flooding. , 2020, , .		2
85	An Efficient Strategy for Face Clustering use in Video Surveillance System. , 2019, , .		1
86	A Belief Rule-Based Expert System to Assess Multiple Human Reaction in the Context of Facebook Posts under Uncertainty. , 2021, , .		1
87	An Interactive Computer System with Gesture-Based Mouse and Keyboard. Advances in Intelligent Systems and Computing, 2021, , 894-906.	0.5	1
88	A Dynamic Teaching Learning Methodology Enabling Fresh Graduates Starting Career at Mid-level. Transactions on Computational Science and Computational Intelligence, 2021, , 229-247.	0.3	0