

Mohammad Hossain

List of Publications by Year in descending order

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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	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
2	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
3	A Weighted Average Ensemble Technique to Predict Heart Disease. Lecture Notes in Networks and Systems, 2022, , 17-29.	0.5	10
4	Automated Acute Lymphocytic Leukemia (ALL) Detection Using Microscopic Images: An Efficient CAD Approach. Lecture Notes in Networks and Systems, 2022, , 363-376.	0.5	3
5	Machine learning with Belief Rule-Based Expert Systems to predict stock price movements. Expert Systems With Applications, 2022, 206, 117706.	4.4	14
6	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
7	Human Gender Detection from Facial Images Using Convolution Neural Network. Communications in Computer and Information Science, 2021, , 188-203.	0.4	10
8	Early Detection of Parkinson's Disease from Micrographic Static Hand Drawings. Lecture Notes in Computer Science, 2021, , 433-447.	1.0	7
9	Attention-Based Bi-Directional Long-Short Term Memory Network for Earthquake Prediction. IEEE Access, 2021, 9, 56589-56603.	2.6	42
10	Human Age Estimation Using Deep Learning from Gait Data. Communications in Computer and Information Science, 2021, , 281-294.	0.4	6
11	Glaucoma Detection Using Inception Convolutional Neural Network V3. Communications in Computer and Information Science, 2021, , 17-28.	0.4	10
12	Mosquito Classification Using Convolutional Neural Network with Data Augmentation. Advances in Intelligent Systems and Computing, 2021, , 865-879.	0.5	12
13	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
14	An Integrated CNN-LSTM Model for Micro Hand Gesture Recognition. Advances in Intelligent Systems and Computing, 2021, , 379-392.	0.5	20
15	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
16	Gender Classification from Inertial Sensor-Based Gait Dataset. Advances in Intelligent Systems and Computing, 2021, , 583-596.	0.5	14
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Feature Selection Based Machine Learning to Improve Prediction of Parkinson Disease. Lecture Notes in Computer Science, 2021, , 496-508.	1.0	20
20	A Belief Rule-Based Expert System to Assess Multiple Human Reaction in the Context of Facebook Posts under Uncertainty. , 2021, , .		1
21	An Integrated Neural Network and SEIR Model to Predict COVID-19. Algorithms, 2021, 14, 94.	1.2	29
22	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
23	An Integrated Deep Learning and Belief Rule-Based Expert System for Visual Sentiment Analysis under Uncertainty. Algorithms, 2021, 14, 213.	1.2	16
24	Comparative Analysis of Recurrent Neural Networks in Stock Price Prediction for Different Frequency Domains. Algorithms, 2021, 14, 251.	1.2	15
25	A CNN Based Model for Venomous and Non-venomous Snake Classification. Communications in Computer and Information Science, 2021, , 216-231.	0.4	8
26	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
27	Deep Learning Approach to Classify Parkinson's Disease from MRI Samples. Lecture Notes in Computer Science, 2021, , 536-547.	1.0	14
28	An Interactive Computer System with Gesture-Based Mouse and Keyboard. Advances in Intelligent Systems and Computing, 2021, , 894-906.	0.5	1
29	A Novel Deep Learning Approach to Predict Air Quality Index. Advances in Intelligent Systems and Computing, 2021, , 367-381.	0.5	20
30	An Integrated CNN-LSTM Model for Bangla Lexical Sign Language Recognition. Advances in Intelligent Systems and Computing, 2021, , 695-707.	0.5	21
31	A Deep Learning Inspired Belief Rule-Based Expert System. IEEE Access, 2020, 8, 190637-190651.	2.6	42
32	A Review on Recent Advancements in FOREX Currency Prediction. Algorithms, 2020, 13, 186.	1.2	19
33	An Integrated Approach of Belief Rule Base and Deep Learning to Predict Air Pollution. Sensors, 2020, 20, 1956.	2.1	52
34	A Machine Learning Based Fall Detection for Elderly People with Neurodegenerative Disorders. Lecture Notes in Computer Science, 2020, , 194-203.	1.0	19
35	Speech Emotion Recognition in Neurological Disorders Using Convolutional Neural Network. Lecture Notes in Computer Science, 2020, , 287-296.	1.0	39
36	A Learning Mechanism for BRBES Using Enhanced Belief Rule-Based Adaptive Differential Evolution. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
37	Inference and Multi-level Learning in a Belief Rule-Based Expert System to Predict Flooding. , 2020, , .		2
38	An Integrated Real-Time Deep Learning and Belief Rule Base Intelligent System to Assess Facial Expression Under Uncertainty. , 2020, , .		30
39	Detection and Classification of Skin Cancer by Using a Parallel CNN Model. , 2020, , .		29
40	A Deep Transfer Learning Approach to Diagnose Covid-19 using X-ray Images. , 2020, , .		8
41	Hand-Drawn Emoji Recognition using Convolutional Neural Network. , 2020, , .		6
42	A Belief Rule Based Expert System for Evaluating Technological Innovation Capability of High-Tech Firms Under Uncertainty. , 2019, , .		19
43	Static Hand Gesture Recognition using Convolutional Neural Network with Data Augmentation. , 2019, , .		67
44	Capacity Management of Hyperscale Data Centers Using Predictive Modelling. Energies, 2019, 12, 3438.	1.6	21
45	IoT Based Real-time River Water Quality Monitoring System. Procedia Computer Science, 2019, 155, 161-168.	1.2	129
46	IoT based Smart System to Support Agricultural Parameters: A Case Study. Procedia Computer Science, 2019, 155, 648-653.	1.2	60
47	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
48	A Digital Personal Assistant using Bangla Voice Command Recognition and Face Detection. , 2019, , .		12
49	An Integrated CNN-RNN Framework to Assess Road Crack. , 2019, , .		35
50	Analyzing Sentiment of Movie Reviews in Bangla by Applying Machine Learning Techniques. , 2019, , .		25
51	An Efficient Strategy for Face Clustering use in Video Surveillance System. , 2019, , .		1
52	An Artificial Neural Network Model for Epilepsy Seizure Detection. , 2019, , .		18
53	A Belief Rule Base Expert System for staging Non-Small Cell Lung Cancer under Uncertainty. , 2019, , .		7
54	Bangladeshi License Plate Recognition Using Adaboost Classifier. , 2019, , .		8

#	ARTICLE	IF	CITATIONS
55	Bangla Handwritten Character Recognition using Convolutional Neural Network with Data Augmentation. , 2019, , .		59
56	Facial Expression Recognition using Convolutional Neural Network with Data Augmentation. , 2019, , .		54
57	A Comparative Analysis of the Ensemble Method for Liver Disease Prediction. , 2019, , .		27
58	A novel anomaly detection algorithm for sensor data under uncertainty. Soft Computing, 2018, 22, 1623-1639.	2.1	57
59	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
60	An IoT-Belief Rule Base Smart System to Assess Autism. , 2018, , .		23
61	A Belief Rule Based Flood Risk Assessment Expert System using Real Time Sensor Data Streaming. , 2018, , .		12
62	Challenges and Opportunities of Using Big Data for Assessing Flood Risks. , 2018, , 31-42.		4
63	A Belief Rule Based Expert System to Assess Tuberculosis under Uncertainty. Journal of Medical Systems, 2017, 41, 43.	2.2	67
64	A Belief Rule Based Expert System for Datacenter PUE Prediction under Uncertainty. IEEE Transactions on Sustainable Computing, 2017, 2, 140-153.	2.2	72
65	An interoperable IP based WSN for smart irrigation system. , 2017, , .		16
66	Optimal dynamic routing protocols for agro-sensor communication in MANETs. , 2017, , .		9
67	Heterogeneous wireless sensor networks using CoAP and SMS to predict natural disasters. , 2017, , .		11
68	License plate recognition system based on contour properties and deep learning model. , 2017, , .		37
69	A belief rule based expert system to diagnose dengue fever under uncertainty. , 2017, , .		31
70	Selection of Energy Efficient Routing Protocol for Irrigation Enabled by Wireless Sensor Network. , 2017, , .		13
71	Performance analysis of a surveillance system to detect and track vehicles using Haar cascaded classifiers and optical flow method. , 2017, , .		14
72	A web based belief rule based expert system for assessing flood risk. , 2017, , .		4

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73	A belief rule-based expert system to assess mental disorder under uncertainty. , 2016, , .		15
74	A belief rule based expert system to assess clinical bronchopneumonia suspicion. , 2016, , .		33
75	Performance analysis of an IP based protocol stack for WSNs. , 2016, , .		33
76	Belief-Rule-Based Intelligent Decision System to Select Hospital Location. Indonesian Journal of Electrical Engineering and Computer Science, 2016, 1, 607.	0.7	11
77	A web based belief rule based expert system to predict flood. , 2015, , .		29
78	A belief rule based expert system to assess Lung Cancer under uncertainty. , 2015, , .		6
79	Belief-rule-based expert systems for evaluation of e-government: a case study. Expert Systems, 2015, 32, 563-577.	2.9	36
80	A Belief Rule Based Expert System to Assess Meditation. , 2015, , .		3
81	A Belief Rule based expert system to control traffic signals under uncertainty. , 2015, , .		6
82	Heterogeneous wireless sensor networks for flood prediction decision support systems. , 2015, , .		22
83	A belief rule-based expert system to diagnose influenza. , 2014, , .		35
84	Smart risk assessment systems using belief-rule-based DSS and WSN technologies. , 2014, , .		21
85	A belief rule based (BRB) system to assess asthma suspicion. , 2014, , .		10
86	A belief rule based clinical decision support system to assess suspicion of heart failure from signs, symptoms and risk factors. , 2013, , .		23
87	Estimating an Ethical Index of Human Wellbeing. Journal of Developing Areas, 2011, 45, 375-409.	0.2	10
88	Resolving geo-spatial semantic conflicts – an interoperability issue. Humanomics, 2007, 23, 102-109.	0.6	2