Abir Jaafar Hussain

List of Publications by Year
in descending order

83	1,951	293460	340414
papers	citations	24	39
		h-index	g-index

86	86	86	1998
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Validation of the Spiritual Well-being Scale (SWBS) and its role in Predicting Hope among Iranian Elderly. Ageing International, 2023, 48, 593-611.	0.6	5
2	Human Body Pose Estimation for Gait Identification: A Comprehensive Survey of Datasets and Models. ACM Computing Surveys, 2023, 55, 1-42.	16.1	12
3	Locally weighted classifiers for detection of neighbor discovery protocol distributed denialâ€ofâ€service and replayed attacks. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3700.	2.6	7
4	Red Fox Optimizer with Data-Science-Enabled Microarray Gene Expression Classification Model. Applied Sciences (Switzerland), 2022, 12, 4172.	1.3	9
5	Fast Computation of Hahn Polynomials for High Order Moments. IEEE Access, 2022, 10, 48719-48732.	2.6	36
6	Cat Swarm Optimization-Based Computer-Aided Diagnosis Model for Lung Cancer Classification in Computed Tomography Images. Applied Sciences (Switzerland), 2022, 12, 5491.	1.3	10
7	Evaluating student levelling based on machine learningâ€™s model's performance. Discover Internet of Things, 2022, 2, .	3.3	6
8	Machine Learning Approaches and Applications in Genome Wide Association Study for Alzheimerâ€™s Disease: A Systematic Review. IEEE Access, 2022, 10, 62831-62847.	2.6	7
9	Human Body Posture Recognition Approaches. ARO-the Scientific Journal of Koya University, 2022, 10, 75-84.	0.2	2
10	A deep transfer learning model for head pose estimation in rhesus macaques during cognitive tasks: towards a nonrestraint noninvasive 3Rs approach. Applied Animal Behaviour Science, 2022, , 105708.	0.8	4
11	Deep transfer learning in sheep activity recognition using accelerometer data. Expert Systems With Applications, 2022, 207, 117925.	4.4	22
12	An Efficient Multi-Cloud Service Composition Using a Distributed Multiagent-Based, Memory-Driven Approach. IEEE Transactions on Sustainable Computing, 2021, 6, 358-369.	2.2	20
13	Deception in the eyes of deceiver: A computer vision and machine learning based automated deception detection. Expert Systems With Applications, 2021, 169, 114341.	4.4	41
14	A deep gated recurrent neural network for petroleum production forecasting. Machine Learning With Applications, 2021, 3, 100013.	3.0	28
15	How Resiliency and Hope Can Predict Stress of Covid-19 by Mediating Role of Spiritual Well-being Based on Machine Learning. Journal of Religion and Health, 2021, 60, 2306-2321.	0.8	16
16	Analysing the impact of global demographic characteristics over the COVID-19 spread using class rule mining and pattern matching. Royal Society Open Science, 2021, 8, 201823.	1.1	10
17	Political Arabic Articles Orientation Using Rough Set Theory With Sentiment Lexicon. IEEE Access, 2021, 9, 24475-24484.	2.6	10
18	Dataset of student level prediction in UAE. Data in Brief, 2021, 35, 106908.	0.5	2

#	Article	IF	Citations
19	The relationship between non-motor features and weight-loss in the premanifest stage of Huntington's disease. PLoS ONE, 2021, 16, e0253817.	1.1	8
20	Fuzzy Logical Algebra and Study of the Effectiveness of Medications for COVID-19. Mathematics, 2021, 9, 2838.	1.1	19
21	Content Based Image Retrieval Based on Feature Fusion and Support Vector Machine. , 2021, , .		4
22	An efficient queries processing model based on Multi Broadcast Searchable Keywords Encryption (MBSKE). Ad Hoc Networks, 2020, 98, 102028.	3.4	8
23	Students Performance Prediction in Online Courses Using Machine Learning Algorithms. , 2020, , .		24
24	Cross Lingual Sentiment Analysis: A Clustering-Based Bee Colony Instance Selection and Target-Based Feature Weighting Approach. Sensors, 2020, 20, 5276.	2.1	4
25	A data science approach for reliable classification of neuro-degenerative diseases using gait patterns. Journal of Reliable Intelligent Environments, 2020, 6, 233-247.	3.8	7
26	A new machine learning based approach to predict Freezing of Gait. Pattern Recognition Letters, 2020, 140, 119-126.	2.6	28
27	Pupil Localisation and Eye Centre Estimation Using Machine Learning and Computer Vision. Sensors, 2020, 20, 3785.	2.1	29
28	IoT-Enabled Flood Severity Prediction via Ensemble Machine Learning Models. IEEE Access, 2020, 8, 70375-70386.	2.6	41
29	Lossy and Lossless Video Frame Compression: A Novel Approach for High-Temporal Video Data Analytics. Remote Sensing, 2020, 12, 1004.	1.8	2
30	Prediction of Flood Severity Level via Processing IoT Sensor Data Using a Data Science Approach. IEEE Internet of Things Magazine, 2020, 3, 10-15.	2.0	2
31	Patients Attitude to Technology. Journal of Medical Systems, 2019, 43, 295.	2.2	7
32	Detecting At-Risk Students With Early Interventions Using Machine Learning Techniques. IEEE Access, 2019, 7, 149464-149478.	2.6	26
33	A Task Scheduling Algorithm With Improved Makespan Based on Prediction of Tasks Computation Time algorithm for Cloud Computing. IEEE Access, 2019, 7, 160916-160926.	2.6	56
34	A systematic review on the status and progress of homomorphic encryption technologies. Journal of Information Security and Applications, 2019, 48, 102362.	1.8	45
35	Classifying Periodic Astrophysical Phenomena from non-survey optimized variable-cadence observational data. Expert Systems With Applications, 2019, 131, 94-115.	4.4	4
36	Boundary Delineation of MRI Images for Lumbar Spinal Stenosis Detection Through Semantic Segmentation Using Deep Neural Networks. IEEE Access, 2019, 7, 43487-43501.	2.6	56

#	Article	IF	Citations
37	Application of Convolutional Neural Networks for Automated Ulcer Detection in Wireless Capsule Endoscopy Images. Sensors, 2019, 19, 1265.	2.1	119
38	A Perspective on Education to Support Industry 4.0: A Qualitative Case Study in UK. , 2019, , .		4
39	A survey on video compression fast block matching algorithms. Neurocomputing, 2019, 335, 215-237.	3.5	11
40	A self-organising multi-agent system for decentralised forensic investigations. Expert Systems With Applications, 2018, 102, 12-26.	4.4	9
41	Image compression techniques: A survey in lossless and lossy algorithms. Neurocomputing, 2018, 300, 44-69.	3.5	153
42	Dynamic ridge polynomial neural network with Lyapunov function for time series forecasting. Applied Intelligence, 2018, 48, 1721-1738.	3.3	16
43	Detecting NDP Distributed Denial of Service Attacks Using Machine Learning Algorithm Based on Flow-Based Representation. , 2018, , .		8
44	Prediction of Parkinson Disease Using Gait Signals. , 2018, , .		10
45	Traffic Load Reduction of Multi-owner, Multikeywords and Multi-user Searches Using Parallel Searching and Cache Trapdoors. , 2018, , .		0
46	Robust Interpretation of Genomic Data in Chronic Obstructive Pulmonary Disease (COPD). , 2018, , .		1
47	Data Science to Improve Patient Management System. , 2018, , .		10
48	Analyzing Learners Behavior in MOOCs: An Examination of Performance and Motivation Using a Data-Driven Approach. IEEE Access, 2018, 6, 73669-73685.	2.6	31
49	GRAPE: Genetic Routine for Astronomical Period Estimation. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5196-5213.	1.6	2
50	The Application of Gaussian Mixture Models for the Identification of At-Risk Learners in Massive Open Online Courses. , 2018, , .		14
51	IoT-Fog Optimal Workload via Fog Offloading. , 2018, , .		47
52	A Data Science Methodology Based on Machine Learning Algorithms for Flood Severity Prediction. , 2018, , .		25
53	A Dynamic Neural Network Architecture with Immunology Inspired Optimization for Weather Data Forecasting. Big Data Research, 2018, 14, 81-92.	2.6	12
54	Machine learning approaches to the application of disease modifying therapy for sickle cell using classification models. Neurocomputing, 2017, 228, 154-164.	3.5	33

#	Article	IF	Citations
55	Development of an Interactive System to Enhance Strategic Planning Process and Quality of Aviation Operations Using Balanced Scorecard: A UAE Case study. , 2017, , .		1
56	Selecting Scalable Network Features for Infiltration Detection. , 2017, , .		0
57	A Performance Evaluation of Systematic Analysis for Combining Multi-class Models for Sickle Cell Disorder Data Sets. Lecture Notes in Computer Science, 2017, , 115-121.	1.0	2
58	The Effects of Premature Birth on Children Education. , 2016, , .		0
59	A Dynamic, Modular Intelligent-Agent Framework for Astronomical Light Curve Analysis and Classification. Lecture Notes in Computer Science, 2016, , 820-831.	1.0	7
60	The utilisation of composite machine learning models for the classification of medical datasets for sickle cell disease. , 2016, , .		12
61	Community fire prevention via population segmentation modelling. Community Development Journal, 2016, 51, 229-247.	0.6	7
62	Advanced artificial neural network classification for detecting preterm births using EHG records. Neurocomputing, 2016, 188, 42-49.	3.5	71
63	Regularized dynamic self-organized neural network inspired by the immune algorithm for financial time series prediction. Neurocomputing, 2016, 188, 23-30.	3.5	30
64	A Novel Method of Early Diagnosis of Alzheimer's Disease Based on EEG Signals. Scientific World Journal, The, 2015, 2015, 1-11.	0.8	41
65	Automatic Epileptic Seizure Detection Using Scalp EEG and Advanced Artificial Intelligence Techniques. BioMed Research International, 2015, 2015, 1-17.	0.9	118
66	A classifier fusion strategy to improve the early detection of neurodegenerative diseases. International Journal of Artificial Intelligence and Soft Computing, 2015, 5, 23.	0.1	5
67	Using adaptive neural networks to provide self-healing autonomic software. International Journal of Space-Based and Situated Computing, 2015, 5, 129.	0.2	24
68	Methods and techniques to support the development of fraud detection system. , 2015, , .		7
69	Predicting financial time series data using artificial immune system-inspired neural networks. International Journal of Artificial Intelligence and Soft Computing, 2015, 5, 45.	0.1	7
70	Hybrid Neural Network Predictive-Wavelet Image Compression System. Neurocomputing, 2015, 151, 975-984.	3.5	30
71	Dynamic neural network architecture inspired by the immune algorithm to predict preterm deliveries in pregnant women. Neurocomputing, 2015, 151, 963-974.	3.5	52
72	Financial Time Series Prediction Using Spiking Neural Networks. PLoS ONE, 2014, 9, e103656.	1.1	30

#	Article	IF	Citations
73	Predicting Physical Time Series Using Dynamic Ridge Polynomial Neural Networks. PLoS ONE, 2014, 9, e105766.	1.1	16
74	Prediction of Preterm Deliveries from EHG Signals Using Machine Learning. PLoS ONE, 2013, 8, e77154.	1.1	130
75	Monitoring and measuring physical activity and sedentary behaviour. International Journal of Healthcare Technology and Management, 2012, 13, 283.	0.1	4
76	Dynamic Ridge Polynomial Neural Network: Forecasting the univariate non-stationary and stationary trading signals. Expert Systems With Applications, 2011, 38, 3765-3776.	4.4	58
77	The Prediction of Non-Stationary Physical Time Series Using the Application of Regularization Technique in Self-organised Multilayer Perceptrons Inspired by the Immune Algorithm. , 2010, , .		3
78	Time Series Prediction Using Dynamic Ridge Polynomial Neural Networks. , 2009, , .		30
79	Non-stationary and stationary prediction of financial time series using dynamic ridge polynomial neural network. Neurocomputing, 2009, 72, 2359-2367.	3.5	76
80	The Application of the Neural Network Model Inspired by the Immune System in Financial Time Series Prediction. , 2009, , .		9
81	Financial time series prediction using polynomial pipelined neural networks. Expert Systems With Applications, 2008, 35, 1186-1199.	4.4	43
82	Physical time series prediction using Recurrent Pi-Sigma Neural Networks. International Journal of Artificial Intelligence and Soft Computing, 2008, 1, 130.	0.1	11
83	Investigation of Green Disposal of Smartphones. Advanced Materials Research, 0, 1051, 622-626.	0.3	1