Ali Bou Nassif

List of Publications by Year
in descending order

100 papers	3,571 citations	218381 26 h-index	161609 54 g-index
104 all docs	104 docs citations	104 times ranked	2052 citing authors

#	Article	IF	Citations
1	Novel dual-channel long short-term memory compressed capsule networks for emotion recognition. Expert Systems With Applications, 2022, 188, 116080.	4.4	24
2	Empirical Evaluation of Shallow and Deep Learning Classifiers for Arabic Sentiment Analysis. ACM Transactions on Asian and Low-Resource Language Information Processing, 2022, 21, 1-25.	1.3	3
3	Emotional speaker identification using a novel capsule nets model. Expert Systems With Applications, 2022, 193, 116469.	4.4	15
4	Dimensionality Reduction: Challenges and Solutions. ITM Web of Conferences, 2022, 43, 01017.	0.4	2
5	A Survey on Network Intrusion Detection using Convolutional Neural Network. ITM Web of Conferences, 2022, 43, 01003.	0.4	0
6	Withdraw article: A Survey on Network Intrusion Detection using Convolutional Neural Network. ITM Web of Conferences, 2022, 43, 01015.	0.4	1
7	Prediction of the intention to use a smartwatch: A comparative approach using machine learning and partial least squares structural equation modeling. Informatics in Medicine Unlocked, 2022, 29, 100913.	1.9	12
8	Heart Disease Prediction Using Machine Learning. , 2022, , .		41
9	COVID-19 Detection Systems Using Deep-Learning Algorithms Based on Speech and Image Data. Mathematics, 2022, 10, 564.	1.1	24
10	Improved Optical Flow Estimation Method for Deepfake Videos. Sensors, 2022, 22, 2500.	2.1	0
11	Breast cancer detection using artificial intelligence techniques: A systematic literature review. Artificial Intelligence in Medicine, 2022, 127, 102276.	3.8	95
12	Arabic fake news detection based on deep contextualized embedding models. Neural Computing and Applications, 2022, 34, 16019-16032.	3.2	18
13	A Novel RBFNN-CNN Model for Speaker Identification in Stressful Talking Environments. Applied Sciences (Switzerland), 2022, 12, 4841.	1.3	4
14	64-bit quantization: taking payload capacity of speech steganography to the limits. Multimedia Tools and Applications, 2022, 81, 40561-40579.	2.6	2
15	On the value of project productivity for early effort estimation. Science of Computer Programming, 2022, 219, 102819.	1.5	2
16	Multi-Stage Optimized Machine Learning Framework for Network Intrusion Detection. IEEE Transactions on Network and Service Management, 2021, 18, 1803-1816.	3.2	109
17	Deep learning for Arabic subjective sentiment analysis: Challenges and research opportunities. Applied Soft Computing Journal, 2021, 98, 106836.	4.1	47
18	Sentiment Analysis in Dialectal Arabic: A Systematic Review. Advances in Intelligent Systems and Computing, 2021, , 407-417.	0.5	13

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19	Machine learning towards intelligent systems: applications, challenges, and opportunities. Artificial Intelligence Review, 2021, 54, 3299-3348.	9.7	49
20	Systematic Literature Review of Dialectal Arabic: Identification and Detection. IEEE Access, 2021, 9, 31010-31042.	2.6	25
21	Machine Learning for Cloud Security: A Systematic Review. IEEE Access, 2021, 9, 20717-20735.	2.6	51
22	Speaker Identification for Disguised Voices Based on Modified SVM Classifier. , 2021, , .		4
23	Maximizing embedding capacity for speech steganography: a segment-growing approach. Multimedia Tools and Applications, 2021, 80, 24469.	2.6	3
24	Predicting software effort from use case points: A systematic review. Science of Computer Programming, 2021, 204, 102596.	1.5	22
25	Empirical analysis on productivity prediction and locality for use case points method. Software Quality Journal, 2021, 29, 309-336.	1.4	7
26	A Statistical Model for GPA Estimation Based on High School Grades and Standard Exams. , 2021, , .		1
27	CASA-based speaker identification using cascaded GMM-CNN classifier in noisy and emotional talking conditions. Applied Soft Computing Journal, 2021, 103, 107141.	4.1	43
28	Novel hybrid DNN approaches for speaker verification in emotional and stressful talking environments. Neural Computing and Applications, 2021, 33, 16033-16055.	3.2	16
29	Speaker identification in stressful talking environments based on convolutional neural network. International Journal of Speech Technology, 2021, 24, 1055-1066.	1.4	6
30	Machine Learning for Anomaly Detection: A Systematic Review. IEEE Access, 2021, 9, 78658-78700.	2.6	141
31	Deep Learning Techniques to Detect DoS Attacks on Industrial Control Systems: A Systematic Literature Review. , 2021, , .		0
32	Wearable Devices, Smartphones, and Interpretable Artificial Intelligence in Combating COVID-19. Sensors, 2021, 21, 8424.	2.1	24
33	The exploitation of Multiple Feature Extraction Techniques for Speaker Identification in Emotional States under Disguised Voices. , 2021, , .		0
34	Novel cascaded Gaussian mixture model-deep neural network classifier for speaker identification in emotional talking environments. Neural Computing and Applications, 2020, 32, 2575-2587.	3.2	42
35	Arabic audio clips: Identification and discrimination of authentic Cantillations from imitations. Neurocomputing, 2020, 418, 162-177.	3.5	21
36	EEG Wheelchair for People of Determination. , 2020, , .		5

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37	Multi-split optimized bagging ensemble model selection for multi-class educational data mining. Applied Intelligence, 2020, 50, 4506-4528.	3.3	42
38	Heart Arrhythmia Abnormality Classification Using Machine Learning. , 2020, , .		4
39	A Systematic Literature Review on Machine Learning in Object Detection Security. , 2020, , .		6
40	Systematic ensemble model selection approach for educational data mining. Knowledge-Based Systems, 2020, 200, 105992.	4.0	75
41	Transformed k-nearest neighborhood output distance minimization for predicting the defect density of software projects. Journal of Systems and Software, 2020, 167, 110592.	3.3	14
42	PID Controller Gains Tuning Using Metaheuristic Optimization Methods: A survey. International Journal of Computers, 2020, 14, 87-95.	0.2	11
43	Death/Recovery Prediction for Covid-19 Patients using Machine Learning. International Journal of Systems Applications Engineering & Development, 2020, 14, 189-193.	0.2	3
44	Metaheuristic Techniques in Optimizing Traffic Control Lights: A Systematic Review. International Journal of Systems Applications Engineering & Development, 2020, 14, 183-188.	0.2	0
45	Classifications of Breast Cancer Diagnosis using Machine Learning. International Journal of Computers, 2020, 14, 86-86.	0.2	1
46	A Systematic Literature Review for Software Portability Measurement. , 2020, , .		2
47	Predicting the power of a combined cycle power plant using machine learning methods. , 2020, , .		6
48	Systematic Literature Review: Metaheuristics-based Approach for Workflow Scheduling in Cloud. , 2020, , .		2
49	Cascaded RBF-CBiLSTM for Arabic Named Entity Recognition. , 2020, , .		3
50	Machine Learning Models for Stock Price Prediction. , 2020, , .		3
51	Speech Recognition Using Deep Neural Networks: A Systematic Review. IEEE Access, 2019, 7, 19143-19165.	2.6	668
52	Clustering Enabled Classification using Ensemble Feature Selection for Intrusion Detection. , 2019, , .		28
53	Software Development Effort Estimation Using Regression Fuzzy Models. Computational Intelligence and Neuroscience, 2019, 2019, 1-17.	1.1	64
54	Emotion Recognition Using Hybrid Gaussian Mixture Model and Deep Neural Network. IEEE Access, 2019, 7, 26777-26787.	2.6	80

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55	Emirati-Accented Speaker Identification in Stressful Talking Conditions. , 2019, , .		6
56	Speaker Verification in Emotional Talking Environments based on Third-Order Circular Suprasegmental Hidden Markov Model. , 2019, , .		3
57	Dimensionality reduction with IG-PCA and ensemble classifier for network intrusion detection. Computer Networks, 2019, 148, 164-175.	3.2	200
58	Can We Rely on Smartphone Applications?. Lecture Notes in Computer Science, 2019, , 305-312.	1.0	1
59	Comparative Study on the Performance of Heuristic Optimization Techniques in Robotic Path Planning. , 2019, , .		4
60	Comparative analysis of soft computing techniques for predicting software effort based use case points. IET Software, 2018, 12, 19-29.	1.5	39
61	Emirati-accented speaker identification in each of neutral and shouted talking environments. International Journal of Speech Technology, 2018, 21, 265-278.	1.4	15
62	On the value of parameter tuning in heterogeneous ensembles effort estimation. Soft Computing, 2018, 22, 5977-6010.	2.1	47
63	Bayesian Optimization with Machine Learning Algorithms Towards Anomaly Detection. , 2018, , .		73
64	Ensemble of Learning Project Productivity in Software Effort Based on Use Case Points. , 2018, , .		3
65	Data Mining Techniques in Intrusion Detection Systems: A Systematic Literature Review. IEEE Access, 2018, 6, 56046-56058.	2.6	85
66	Three-stage speaker verification architecture in emotional talking environments. International Journal of Speech Technology, 2018, 21, 915-930.	1.4	9
67	Project productivity evaluation in early software effort estimation. Journal of Software: Evolution and Process, 2018, 30, e2110.	1.2	18
68	Performance Analysis of Hyperledger Fabric Platforms. Security and Communication Networks, 2018, 2018, 1-14.	1.0	203
69	E-Learning: Challenges and Research Opportunities Using Machine Learning & Data Analytics. IEEE Access, 2018, 6, 39117-39138.	2.6	90
70	A training process for improving the quality of software projects developed by a practitioner. Journal of Systems and Software, 2017, 131, 98-111.	3.3	3
71	Analyzing the relationship between project productivity and environment factors in the use case points method. Journal of Software: Evolution and Process, 2017, 29, e1882.	1.2	18
72	Robust Rank Aggregation method for Case-Base effort estimation. , 2017, , .		0

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73	Short term power demand prediction using stochastic gradient boosting. , 2016, , .		7
74	User Movement Prediction: The Contribution of Machine Learning Techniques. , 2016, , .		14
75	Guest editorial: special issue on predictive analytics using machine learning. Neural Computing and Applications, 2016, 27, 2153-2155.	3.2	8
76	A hybrid model for estimating software project effort from Use Case Points. Applied Soft Computing Journal, 2016, 49, 981-989.	4.1	66
77	Heterogeneous Ensembles for Software Development Effort Estimation. , 2016, , .		14
78	Data mining techniques in social media: A survey. Neurocomputing, 2016, 214, 654-670.	3.5	117
79	Neural network models for software development effort estimation: a comparative study. Neural Computing and Applications, 2016, 27, 2369-2381.	3.2	82
80	Pareto efficient multi-objective optimization for local tuning of analogy-based estimation. Neural Computing and Applications, 2016, 27, 2241-2265.	3.2	27
81	Analogyâ€based effort estimation: a new method to discover set of analogies from dataset characteristics. IET Software, 2015, 9, 39-50.	1.5	29
82	Class Decomposition Using K-Means and Hierarchical Clustering. , 2015, , .		4
83	An Application of Classification and Class Decomposition to Use Case Point Estimation Method. , 2015, , .		7
84	An empirical evaluation of ensemble adjustment methods for analogy-based effort estimation. Journal of Systems and Software, 2015, 103, 36-52.	3.3	70
85	Calibrating use case points. , 2014, , .		19
86	A Better Case Adaptation Method for Case-Based Effort Estimation Using Multi-objective Optimization. , 2014, , .		3
87	Business intelligence solutions in healthcare a case study: Transforming OLTP system to BI solution. , 2013, , .		12
88	A comparison between decision trees and decision tree forest models for software development effort estimation. , 2013, , .		28
89	Fuzzy Model Tree for Early Effort Estimation. , 2013, , .		21
90	Reliability Models Applied to Mobile Applications. , 2013, , .		9

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91	Towards an early software estimation using log-linear regression and a multilayer perceptron model. Journal of Systems and Software, 2013, 86, 144-160.	3.3	150
92	Reliability Prediction of Smartphone Applications through Failure Data Analysis. , 2013, , .		2
93	A HYBRID INTELLIGENT MODEL FOR SOFTWARE COST ESTIMATION. Journal of Computer Science, 2013, 9, 1506-1513.	0.5	9
94	Offering SaaS as SOA Services. Lecture Notes in Electrical Engineering, 2013, , 405-414.	0.3	4
95	Fuzzy-ExCOM Software Project Risk Assessment. , 2012, , .		7
96	Estimating Software Effort Using an ANN Model Based on Use Case Points. , 2012, , .		33
97	Software Effort Estimation in the Early Stages of the Software Life Cycle Using a Cascade Correlation Neural Network Model. , 2012, , .		38
98	A Treeboost Model for Software Effort Estimation Based on Use Case Points. , 2012, , .		36
99	Estimating Software Effort Based on Use Case Point Model Using Sugeno Fuzzy Inference System. , 2011, , .		43
100	Moving from SaaS Applications towards SOA Services. , 2010, , .		9