

# Ali Bou Nassif

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Speech Recognition Using Deep Neural Networks: A Systematic Review. IEEE Access, 2019, 7, 19143-19165.	2.6	668
2	Performance Analysis of Hyperledger Fabric Platforms. Security and Communication Networks, 2018, 2018, 1-14.	1.0	203
3	Dimensionality reduction with IG-PCA and ensemble classifier for network intrusion detection. Computer Networks, 2019, 148, 164-175.	3.2	200
4	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
5	Machine Learning for Anomaly Detection: A Systematic Review. IEEE Access, 2021, 9, 78658-78700.	2.6	141
6	Data mining techniques in social media: A survey. Neurocomputing, 2016, 214, 654-670.	3.5	117
7	Multi-Stage Optimized Machine Learning Framework for Network Intrusion Detection. IEEE Transactions on Network and Service Management, 2021, 18, 1803-1816.	3.2	109
8	Breast cancer detection using artificial intelligence techniques: A systematic literature review. Artificial Intelligence in Medicine, 2022, 127, 102276.	3.8	95
9	E-Learning: Challenges and Research Opportunities Using Machine Learning & Data Analytics. IEEE Access, 2018, 6, 39117-39138.	2.6	90
10	Data Mining Techniques in Intrusion Detection Systems: A Systematic Literature Review. IEEE Access, 2018, 6, 56046-56058.	2.6	85
11	Neural network models for software development effort estimation: a comparative study. Neural Computing and Applications, 2016, 27, 2369-2381.	3.2	82
12	Emotion Recognition Using Hybrid Gaussian Mixture Model and Deep Neural Network. IEEE Access, 2019, 7, 26777-26787.	2.6	80
13	Systematic ensemble model selection approach for educational data mining. Knowledge-Based Systems, 2020, 200, 105992.	4.0	75
14	Bayesian Optimization with Machine Learning Algorithms Towards Anomaly Detection. , 2018, , .		73
15	An empirical evaluation of ensemble adjustment methods for analogy-based effort estimation. Journal of Systems and Software, 2015, 103, 36-52.	3.3	70
16	A hybrid model for estimating software project effort from Use Case Points. Applied Soft Computing Journal, 2016, 49, 981-989.	4.1	66
17	Software Development Effort Estimation Using Regression Fuzzy Models. Computational Intelligence and Neuroscience, 2019, 2019, 1-17.	1.1	64
18	Machine Learning for Cloud Security: A Systematic Review. IEEE Access, 2021, 9, 20717-20735.	2.6	51

#	ARTICLE	IF	CITATIONS
19	Machine learning towards intelligent systems: applications, challenges, and opportunities. Artificial Intelligence Review, 2021, 54, 3299-3348.	9.7	49
20	On the value of parameter tuning in heterogeneous ensembles effort estimation. Soft Computing, 2018, 22, 5977-6010.	2.1	47
21	Deep learning for Arabic subjective sentiment analysis: Challenges and research opportunities. Applied Soft Computing Journal, 2021, 98, 106836.	4.1	47
22	Estimating Software Effort Based on Use Case Point Model Using Sugeno Fuzzy Inference System. , 2011, , .		43
23	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
24	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
25	Multi-split optimized bagging ensemble model selection for multi-class educational data mining. Applied Intelligence, 2020, 50, 4506-4528.	3.3	42
26	Heart Disease Prediction Using Machine Learning. , 2022, , .		41
27	Comparative analysis of soft computing techniques for predicting software effort based use case points. IET Software, 2018, 12, 19-29.	1.5	39
28	Software Effort Estimation in the Early Stages of the Software Life Cycle Using a Cascade Correlation Neural Network Model. , 2012, , .		38
29	A Treeboost Model for Software Effort Estimation Based on Use Case Points. , 2012, , .		36
30	Estimating Software Effort Using an ANN Model Based on Use Case Points. , 2012, , .		33
31	Analogy-based effort estimation: a new method to discover set of analogies from dataset characteristics. IET Software, 2015, 9, 39-50.	1.5	29
32	A comparison between decision trees and decision tree forest models for software development effort estimation. , 2013, , .		28
33	Clustering Enabled Classification using Ensemble Feature Selection for Intrusion Detection. , 2019, , .		28
34	Pareto efficient multi-objective optimization for local tuning of analogy-based estimation. Neural Computing and Applications, 2016, 27, 2241-2265.	3.2	27
35	Systematic Literature Review of Dialectal Arabic: Identification and Detection. IEEE Access, 2021, 9, 31010-31042.	2.6	25
36	Novel dual-channel long short-term memory compressed capsule networks for emotion recognition. Expert Systems With Applications, 2022, 188, 116080.	4.4	24

#	ARTICLE	IF	CITATIONS
37	COVID-19 Detection Systems Using Deep-Learning Algorithms Based on Speech and Image Data. Mathematics, 2022, 10, 564.	1.1	24
38	Wearable Devices, Smartphones, and Interpretable Artificial Intelligence in Combating COVID-19. Sensors, 2021, 21, 8424.	2.1	24
39	Predicting software effort from use case points: A systematic review. Science of Computer Programming, 2021, 204, 102596.	1.5	22
40	Fuzzy Model Tree for Early Effort Estimation. , 2013, , .		21
41	Arabic audio clips: Identification and discrimination of authentic Cantillations from imitations. Neurocomputing, 2020, 418, 162-177.	3.5	21
42	Calibrating use case points. , 2014, , .		19
43	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
44	Project productivity evaluation in early software effort estimation. Journal of Software: Evolution and Process, 2018, 30, e2110.	1.2	18
45	Arabic fake news detection based on deep contextualized embedding models. Neural Computing and Applications, 2022, 34, 16019-16032.	3.2	18
46	Novel hybrid DNN approaches for speaker verification in emotional and stressful talking environments. Neural Computing and Applications, 2021, 33, 16033-16055.	3.2	16
47	Emirati-accented speaker identification in each of neutral and shouted talking environments. International Journal of Speech Technology, 2018, 21, 265-278.	1.4	15
48	Emotional speaker identification using a novel capsule nets model. Expert Systems With Applications, 2022, 193, 116469.	4.4	15
49	User Movement Prediction: The Contribution of Machine Learning Techniques. , 2016, , .		14
50	Heterogeneous Ensembles for Software Development Effort Estimation. , 2016, , .		14
51	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
52	Sentiment Analysis in Dialectal Arabic: A Systematic Review. Advances in Intelligent Systems and Computing, 2021, , 407-417.	0.5	13
53	Business intelligence solutions in healthcare a case study: Transforming OLTP system to BI solution. , 2013, , .		12
54	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

#	ARTICLE	IF	CITATIONS
55	PID Controller Gains Tuning Using Metaheuristic Optimization Methods: A survey. International Journal of Computers, 2020, 14, 87-95.	0.2	11
56	Moving from SaaS Applications towards SOA Services. , 2010, , .		9
57	Reliability Models Applied to Mobile Applications. , 2013, , .		9
58	A HYBRID INTELLIGENT MODEL FOR SOFTWARE COST ESTIMATION. Journal of Computer Science, 2013, 9, 1506-1513.	0.5	9
59	Three-stage speaker verification architecture in emotional talking environments. International Journal of Speech Technology, 2018, 21, 915-930.	1.4	9
60	Guest editorial: special issue on predictive analytics using machine learning. Neural Computing and Applications, 2016, 27, 2153-2155.	3.2	8
61	Fuzzy-ExCOM Software Project Risk Assessment. , 2012, , .		7
62	An Application of Classification and Class Decomposition to Use Case Point Estimation Method. , 2015, , .		7
63	Short term power demand prediction using stochastic gradient boosting. , 2016, , .		7
64	Empirical analysis on productivity prediction and locality for use case points method. Software Quality Journal, 2021, 29, 309-336.	1.4	7
65	Emirati-Accented Speaker Identification in Stressful Talking Conditions. , 2019, , .		6
66	A Systematic Literature Review on Machine Learning in Object Detection Security. , 2020, , .		6
67	Speaker identification in stressful talking environments based on convolutional neural network. International Journal of Speech Technology, 2021, 24, 1055-1066.	1.4	6
68	Predicting the power of a combined cycle power plant using machine learning methods. , 2020, , .		6
69	EEG Wheelchair for People of Determination. , 2020, , .		5
70	Class Decomposition Using K-Means and Hierarchical Clustering. , 2015, , .		4
71	Heart Arrhythmia Abnormality Classification Using Machine Learning. , 2020, , .		4
72	Speaker Identification for Disguised Voices Based on Modified SVM Classifier. , 2021, , .		4

#	ARTICLE	IF	CITATIONS
73	Offering SaaS as SOA Services. Lecture Notes in Electrical Engineering, 2013, , 405-414.	0.3	4
74	Comparative Study on the Performance of Heuristic Optimization Techniques in Robotic Path Planning. , 2019, , .		4
75	A Novel RBFNN-CNN Model for Speaker Identification in Stressful Talking Environments. Applied Sciences (Switzerland), 2022, 12, 4841.	1.3	4
76	A Better Case Adaptation Method for Case-Based Effort Estimation Using Multi-objective Optimization. , 2014, , .		3
77	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
78	Ensemble of Learning Project Productivity in Software Effort Based on Use Case Points. , 2018, , .		3
79	Speaker Verification in Emotional Talking Environments based on Third-Order Circular Suprasegmental Hidden Markov Model. , 2019, , .		3
80	Maximizing embedding capacity for speech steganography: a segment-growing approach. Multimedia Tools and Applications, 2021, 80, 24469.	2.6	3
81	Death/Recovery Prediction for Covid-19 Patients using Machine Learning. International Journal of Systems Applications Engineering & Development, 2020, 14, 189-193.	0.2	3
82	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
83	Cascaded RBF-CBiLSTM for Arabic Named Entity Recognition. , 2020, , .		3
84	Machine Learning Models for Stock Price Prediction. , 2020, , .		3
85	Reliability Prediction of Smartphone Applications through Failure Data Analysis. , 2013, , .		2
86	A Systematic Literature Review for Software Portability Measurement. , 2020, , .		2
87	Systematic Literature Review: Metaheuristics-based Approach for Workflow Scheduling in Cloud. , 2020, , .		2
88	Dimensionality Reduction: Challenges and Solutions. ITM Web of Conferences, 2022, 43, 01017.	0.4	2
89	64-bit quantization: taking payload capacity of speech steganography to the limits. Multimedia Tools and Applications, 2022, 81, 40561-40579.	2.6	2
90	On the value of project productivity for early effort estimation. Science of Computer Programming, 2022, 219, 102819.	1.5	2

#	ARTICLE	IF	CITATIONS
91	A Statistical Model for GPA Estimation Based on High School Grades and Standard Exams. , 2021, , .		1
92	Can We Rely on Smartphone Applications?. Lecture Notes in Computer Science, 2019, , 305-312.	1.0	1
93	Classifications of Breast Cancer Diagnosis using Machine Learning. International Journal of Computers, 2020, 14, 86-86.	0.2	1
94	Withdraw article: A Survey on Network Intrusion Detection using Convolutional Neural Network. ITM Web of Conferences, 2022, 43, 01015.	0.4	1
95	Robust Rank Aggregation method for Case-Base effort estimation. , 2017, , .		0
96	Metaheuristic Techniques in Optimizing Traffic Control Lights: A Systematic Review. International Journal of Systems Applications Engineering & Development, 2020, 14, 183-188.	0.2	0
97	Deep Learning Techniques to Detect DoS Attacks on Industrial Control Systems: A Systematic Literature Review. , 2021, , .		0
98	A Survey on Network Intrusion Detection using Convolutional Neural Network. ITM Web of Conferences, 2022, 43, 01003.	0.4	0
99	Improved Optical Flow Estimation Method for Deepfake Videos. Sensors, 2022, 22, 2500.	2.1	0
100	The exploitation of Multiple Feature Extraction Techniques for Speaker Identification in Emotional States under Disguised Voices. , 2021, , .		0