Ala M Al-Zoubi

List of Publications by Year in Descending Order

37 papers	1,556 citations	14 h-index	39 g-index
40 ext. papers	2,039 ext. citations	4.1 avg, IF	5.43 L-index

#	Paper	IF	Citations
37	Sentiment Analysis of Customers Reviews Using a Hybrid Evolutionary SVM based Approach in an Imbalanced Data Distribution. *IEEE Access*, **2022**, 1-1	3.5	2
36	Spam Reviews Detection in the Time of COVID-19 Pandemic: Background, Definitions, Methods and Literature Analysis. *Applied Sciences (Switzerland)*, **2022**, 12, 3634	2.6	0
35	Evolutionary inspired approach for mental stress detection using EEG signal. *Expert Systems With Applications*, **2022**, 197, 116634	7.8	5
34	EvoCC: An Open-Source Classification-Based Nature-Inspired Optimization Clustering Framework in Python. *Lecture Notes in Computer Science*, **2022**, 77-92	0.9	0
33	An Intelligent Hybrid Sentiment Analyzer for Personal Protective Medical Equipments Based on Word Embedding Technique: The COVID-19 Era. *Symmetry*, **2021**, 13, 2287	2.7	
32	Spam Emails Detection Based on Distributed Word Embedding with Deep Learning. *Studies in Computational Intelligence*, **2021**, 161-189	0.8	17
31	A Multi-Stage Classification Approach for IoT Intrusion Detection Based on Clustering with Oversampling. *Applied Sciences (Switzerland)*, **2021**, 11, 3022	2.6	14
30	A Multi-Layer Classification Approach for Intrusion Detection in IoT Networks Based on Deep Learning. *Sensors*, **2021**, 21,	3.8	9
29	An Evolutionary Fake News Detection Method for COVID-19 Pandemic Information. *Symmetry*, **2021**, 13, 1091	2.7	18
28	AutoRWN: automatic construction and training of random weight networks using competitive swarm of agents. *Neural Computing and Applications*, **2021**, 33, 5507-5524	4.8	3
27	Spam profiles detection on social networks using computational intelligence methods: The effect of the lingual context. *Journal of Information Science*, **2021**, 47, 58-81	2	15
26	A Robust Multi-Objective Feature Selection Model Based on Local Neighborhood Multi-Verse Optimization. *IEEE Access*, **2021**, 9, 100009-100028	3.5	4
25	An Evolutionary-Based Sentiment Analysis Approach for Enhancing Government Decisions during COVID-19 Pandemic: The Case of Jordan. *Applied Sciences (Switzerland)*, **2021**, 11, 9080	2.6	4
24	Evolutionary competitive swarm exploring optimal support vector machines and feature weighting. *Soft Computing*, **2021**, 25, 3335-3352	3.5	10
23	A Review of Evolutionary Data Clustering Algorithms for Image Segmentation. *Algorithms for Intelligent Systems*, **2021**, 201-214	0.5	1
22	Salp Chain-Based Optimization of Support Vector Machines and Feature Weighting for Medical Diagnostic Information Systems. *Algorithms for Intelligent Systems*, **2020**, 11-34	0.5	10
21	Link Prediction Using Evolutionary Neural Network Models. *Algorithms for Intelligent Systems*, **2020**, 85-111		4

#			
20	Time-varying hierarchical chains of salps with random weight networks for feature selection. *Expert Systems With Applications*, **2020**, 140, 112898	7.8	51
19	An efficient hybrid filter and evolutionary wrapper approach for sentiment analysis of various topics on Twitter. *Knowledge-Based Systems*, **2020**, 192, 105353	7.3	30
18	. *IEEE Access*, **2020**, 8, 189930-189944	3.5	7
17	Cost-sensitive ensemble methods for bankruptcy prediction in a highly imbalanced data distribution: a real case from the Spanish market. *Progress in Artificial Intelligence*, **2020**, 9, 361-375	4	9
16	An intelligent system for spam detection and identification of the most relevant features based on evolutionary Random Weight Networks. *Information Fusion*, **2019**, 48, 67-83	16.7	144
15	Binary grasshopper optimisation algorithm approaches for feature selection problems. *Expert Systems With Applications*, **2019**, 117, 267-286	7.8	219
14	Fraud Detection Model Based on Multi-Verse Features Extraction Approach for Smart City Applications **2019**, 241-251		13
13	Cycle reservoir with regular jumps for forecasting ozone concentrations: two real cases from the east of Croatia. *Air Quality, Atmosphere and Health*, **2018**, 11, 559-569	5.6	14
12	Evolving Support Vector Machines using Whale Optimization Algorithm for spam profiles detection on online social networks in different lingual contexts. *Knowledge-Based Systems*, **2018**, 153, 91-104	7.3	73
11	Simultaneous Feature Selection and Support Vector Machine Optimization Using the Grasshopper Optimization Algorithm. *Cognitive Computation*, **2018**, 10, 478-495	4.4	133
10	Evolutionary Population Dynamics and Grasshopper Optimization approaches for feature selection problems. *Knowledge-Based Systems*, **2018**, 145, 25-45	7.3	243
9	Identifying ß-thalassemia carriers using a data mining approach: The case of the Gaza Strip, Palestine. *Artificial Intelligence in Medicine*, **2018**, 88, 70-83	7.4	17
8	A multi-verse optimizer approach for feature selection and optimizing SVM parameters based on a robust system architecture. *Neural Computing and Applications*, **2018**, 30, 2355-2369	4.8	112
7	An efficient binary Salp Swarm Algorithm with crossover scheme for feature selection problems. *Knowledge-Based Systems*, **2018**, 154, 43-67	7.3	339
6	Explaining Individuals Usage of Social Commerce: A Data Mining Approach. *Modern Applied Science*, **2018**, 12, 116	1.3	
5	**2018**,		6
4	Spam profile detection in social networks based on public features **2017**,		10
3	Online Social Networks Security: Threats, Attacks, and Future Directions **2017**, 121-132		8

2   Improving email spam detection using content based feature engineering approach **2017**,   7

1   An efficient malware detection approach with feature weighting based on Harris Hawks   2.1   4
     optimization. *Cluster Computing*,1