

Hossam M Zawbaa

List of Publications by Citations

Source: <https://exaly.com/author-pdf/740787/hossam-m-zawbaa-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

2,240
citations

23
h-index

46
g-index

76
ext. papers

3,001
ext. citations

3.6
avg, IF

5.71
L-index

#	Paper	IF	Citations
73	Binary grey wolf optimization approaches for feature selection. <i>Neurocomputing</i> , 2016 , 172, 371-381	5.4	656
72	Binary ant lion approaches for feature selection. <i>Neurocomputing</i> , 2016 , 213, 54-65	5.4	249
71	Experienced Gray Wolf Optimization Through Reinforcement Learning and Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 681-694	10.3	96
70	Feature Selection via Chaotic Antlion Optimization. <i>PLoS ONE</i> , 2016 , 11, e0150652	3.7	96
69	Feature Subset Selection Approach by Gray-Wolf Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 1-13	0.4	77
68	Large-dimensionality small-instance set feature selection: A hybrid bio-inspired heuristic approach. <i>Swarm and Evolutionary Computation</i> , 2018 , 42, 29-42	9.8	73
67	Sine cosine optimization algorithm for feature selection 2016 ,		55
66	Impact of Chaos Functions on Modern Swarm Optimizers. <i>PLoS ONE</i> , 2016 , 11, e0158738	3.7	45
65	Feature selection approach based on moth-flame optimization algorithm 2016 ,		43
64	Feature selection approach based on whale optimization algorithm 2017 ,		40
63	Feature selection based on antlion optimization algorithm 2015 ,		40
62	Firefly Optimization Algorithm for Feature Selection 2015 ,		36
61	Impact of Lévy flight on modern meta-heuristic optimizers. <i>Applied Soft Computing Journal</i> , 2019 , 75, 775-789	7.5	34
60	Feature selection via Lévy Antlion optimization. <i>Pattern Analysis and Applications</i> , 2019 , 22, 857-876	2.3	33
59	Automatic Nile Tilapia fish classification approach using machine learning techniques 2013 ,		30
58	2010 ,		27
57	Retinal blood vessel localization approach based on bee colony swarm optimization, fuzzy c-means and pattern search. <i>Journal of Visual Communication and Image Representation</i> , 2015 , 31, 186-196	2.7	26

56	Retinal vessel segmentation based on possibilistic fuzzy c-means clustering optimised with cuckoo search 2014,		26
55	2014,		26
54	A Cattle Identification Approach Using Live Captured Muzzle Print Images. <i>Communications in Computer and Information Science</i> , 2013 , 143-152	0.3	26
53	An innovative approach for feature selection based on chicken swarm optimization 2015,		25
52	The dynamic impact of biomass and natural resources on ecological footprint in BRICS economies: A quantile regression evidence. <i>Energy Reports</i> , 2022 , 8, 1979-1994	4.6	25
51	RoadMonitor: An Intelligent Road Surface Condition Monitoring System. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 377-387	0.4	23
50	Machine Learning-Based Soccer Video Summarization System. <i>Communications in Computer and Information Science</i> , 2011 , 19-28	0.3	23
49	Retinal blood vessel segmentation using bee colony optimisation and pattern search 2014,		22
48	SVM-based soccer video summarization system 2011,		22
47	Multi-objective retinal vessel localization using flower pollination search algorithm with pattern search. <i>Advances in Data Analysis and Classification</i> , 2017 , 11, 611-627	1.8	21
46	Computational intelligence modelling of pharmaceutical tableting processes using bio-inspired optimization algorithms. <i>Advanced Powder Technology</i> , 2018 , 29, 2966-2977	4.6	21
45	Automatic Fruit Image Recognition System Based on Shape and Color Features. <i>Communications in Computer and Information Science</i> , 2014 , 278-290	0.3	20
44	Computational Intelligence Modeling of the Macromolecules Release from PLGA Microspheres-Focus on Feature Selection. <i>PLoS ONE</i> , 2016 , 11, e0157610	3.7	20
43	Bacillus Calmette-Guñ vaccine, antimalarial, age and gender relation to COVID-19 spread and mortality. <i>Vaccine</i> , 2020 , 38, 5564-5568	4.1	19
42	Soccer video summarization using enhanced logo detection 2009,		18
41	A hybrid dragonfly algorithm with extreme learning machine for prediction 2016,		18
40	Networks Community Detection Using Artificial Bee Colony Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 229-239	0.4	15
39	Drivers of environmental degradation in Turkey: Designing an SDG framework through advanced quantile approaches. <i>Energy Reports</i> , 2022 , 8, 2008-2021	4.6	14

38	Attribute reduction approach based on modified flower pollination algorithm 2015 ,		13
37	Retinal Vessel Segmentation Based on Flower Pollination Search Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 93-100	0.4	12
36	COVID-19 prediction using LSTM algorithm: GCC case study. <i>Informatics in Medicine Unlocked</i> , 2021 , 23, 100566	5.3	12
35	2016 ,		11
34	Hybrid Monkey Algorithm with Krill Herd Algorithm optimization for feature selection 2015 ,		10
33	PCA-based home videos annotation system. <i>International Journal of Reasoning-based Intelligent Systems</i> , 2011 , 3, 71	0.4	10
32	An improved wild horse optimization algorithm for reliability based optimal DG planning of radial distribution networks. <i>Energy Reports</i> , 2022 , 8, 582-604	4.6	10
31	Effect of mutation and vaccination on spread, severity, and mortality of COVID-19 disease. <i>Journal of Medical Virology</i> , 2022 , 94, 197-204	19.7	10
30	HSAS: Heart Sound Authentication System 2010 ,		9
29	A study of the possible factors affecting COVID-19 spread, severity and mortality and the effect of social distancing on these factors: Machine learning forecasting model. <i>International Journal of Clinical Practice</i> , 2021 , 75, e14116	2.9	8
28	Applications of Flower Pollination Algorithm in Feature Selection and Knapsack Problems. <i>Studies in Computational Intelligence</i> , 2018 , 217-243	0.8	7
27	A proposed whale search algorithm with adaptive random walk 2017 ,		7
26	Hybrid flower pollination algorithm with rough sets for feature selection 2015 ,		7
25	An automatic flower classification approach using machine learning algorithms 2014 ,		7
24	A Fish Detection Approach Based on BAT Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 273-283	0.4	7
23	Automated zebrafish-based toxicity test using Bat optimization and AdaBoost classifier 2015 ,		6
22	Modeling and sensitivity analysis of grid-connected hybrid green microgrid system. <i>Ain Shams Engineering Journal</i> , 2022 , 13, 101679	4.4	6
21	An improved crow search algorithm for solving numerical optimization functions. <i>Soft Computing</i> , 2021 , 25, 9441-9454	3.5	5

20	Residential Demand Side Management model, optimization and future perspective: A review. <i>Energy Reports</i> , 2022 , 8, 3727-3766	4.6	5
19	A wrapper approach for feature selection based on swarm optimization algorithm inspired from the behavior of social-spiders 2015 ,		4
18	Blind Watermark Approach for Map Authentication Using Support Vector Machine. <i>Communications in Computer and Information Science</i> , 2013 , 84-97	0.3	4
17	An evaluation of different bio-inspired feature selection techniques on multivariate calibration models in spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 246, 119042	4.4	4
16	Does information and communication technology impede environmental degradation? fresh insights from non-parametric approaches.. <i>Heliyon</i> , 2022 , 8, e09108	3.6	4
15	A novel global harmony search algorithm for solving numerical optimizations. <i>Soft Computing</i> , 2021 , 25, 2837-2849	3.5	3
14	In vitro and in vivo performance modelling and optimisation of different dry powder inhalers: A complementary study of neural networks, genetic algorithms and decision trees. <i>International Journal of Clinical Practice</i> , 2021 , 75, e13764	2.9	3
13	Adopting Scenario-Based approach to solve optimal reactive power Dispatch problem with integration of wind and solar energy using improved Marine predator algorithm. <i>Ain Shams Engineering Journal</i> , 2022 , 13, 101726	4.4	3
12	Diagnosis of breast cancer using secured classifiers 2017 ,		2
11	Improvement of active distribution systems with high penetration capacities of shunt reactive compensators and distributed generators using Bald Eagle Search. <i>Ain Shams Engineering Journal</i> , 2022 , 13, 101792	4.4	2
10	Home energy management system considering effective demand response strategies and uncertainties. <i>Energy Reports</i> , 2022 , 8, 5256-5271	4.6	2
9	Improved Squirrel Search Algorithm Driven Cascaded 2DOF-PID-FOI Controller for Load Frequency Control of Renewable Energy Based Hybrid Power System. <i>IEEE Access</i> , 2022 , 10, 46372-46391	3.5	2
8	Analysis of Power Quality issues of different types of household applications. <i>Energy Reports</i> , 2022 , 8, 5370-5386	4.6	2
7	A rough set-based reasoner for medical diagnosis 2015 ,		1
6	Rough Power Set Tree for Feature Selection and Classification: Case Study on MRI Brain Tumor. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 259-270	0.4	1
5	A hybrid machine learning technique for feature optimization in object-based classification of debris-covered glaciers. <i>Ain Shams Engineering Journal</i> , 2022 , 13, 101809	4.4	1
4	Interconnection and damping assignment passivity-based non-linear observer control for efficiency maximization of permanent magnet synchronous motor. <i>Energy Reports</i> , 2022 , 8, 1350-1361	4.6	0
3	Effect of cryogenic treatment on drill tool for enhancing metal cutting operation of aluminium alloy IS737.Gr19000. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 1488-1501	5.5	0

- 2 Generalized regression neural network and fitness dependent optimization: Application to energy harvesting of centralized TEG systems. *Energy Reports*, **2022**, 8, 6332-6346 4.6 0
- 1 Hybrid Biometrics and Watermarking Authentication. *Advances in Information Security, Privacy, and Ethics Book Series*, **2017**, 37-61 0.3