

# Mohammad Al Shinwan

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

6,196  
citations

136740

32  
h-index

155451

55  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1935  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel generalized normal distribution arithmetic optimization algorithm for global optimization and data clustering problems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2024, 15, 389-417.	3.3	5
2	Improved slime mould algorithm by opposition-based learning and Levy flight distribution for global optimization and advances in real-world engineering problems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 1163-1202.	3.3	29
3	Improved gradual change-based Harris Hawks optimization for real-world engineering design problems. <i>Engineering With Computers</i> , 2023, 39, 1843-1883.	3.5	7
4	Boosted Harris Hawks gravitational force algorithm for global optimization and industrial engineering problems. <i>Journal of Intelligent Manufacturing</i> , 2023, 34, 2693-2728.	4.4	6
5	Selection scheme sensitivity for a hybrid Salp Swarm Algorithm: analysis and applications. <i>Engineering With Computers</i> , 2022, 38, 1149-1175.	3.5	29
6	Improved Slime Mould Algorithm based on Firefly Algorithm for feature selection: A case study on QSAR model. <i>Engineering With Computers</i> , 2022, 38, 2407-2421.	3.5	47
7	Amended hybrid multi-verse optimizer with genetic algorithm for solving task scheduling problem in cloud computing. <i>Journal of Supercomputing</i> , 2022, 78, 740-765.	2.4	80
8	Reptile Search Algorithm (RSA): A nature-inspired meta-heuristic optimizer. <i>Expert Systems With Applications</i> , 2022, 191, 116158.	4.4	693
9	An improved chaotic image encryption algorithm using Hadoop-based MapReduce framework for massive remote sensed images in parallel IoT applications. <i>Cluster Computing</i> , 2022, 25, 999-1013.	3.5	27
10	Chaotic binary Group Search Optimizer for feature selection. <i>Expert Systems With Applications</i> , 2022, 192, 116368.	4.4	49
11	Black hole algorithm: A comprehensive survey. <i>Applied Intelligence</i> , 2022, 52, 11892-11915.	3.3	16
12	Machine Learning Technologies for Big Data Analytics. <i>Electronics (Switzerland)</i> , 2022, 11, 421.	1.8	33
13	An Efficient 5G Data Plan Approach Based on Partially Distributed Mobility Architecture. <i>Sensors</i> , 2022, 22, 349.	2.1	13
14	Meta-heuristic optimization algorithms for solving real-world mechanical engineering design problems: a comprehensive survey, applications, comparative analysis, and results. <i>Neural Computing and Applications</i> , 2022, 34, 4081-4110.	3.2	51
15	Boosting arithmetic optimization algorithm by sine cosine algorithm and levy flight distribution for solving engineering optimization problems. <i>Neural Computing and Applications</i> , 2022, 34, 8823-8852.	3.2	25
16	Boosting Marine Predators Algorithm by Salp Swarm Algorithm for Multilevel Thresholding Image Segmentation. <i>Multimedia Tools and Applications</i> , 2022, 81, 16707-16742.	2.6	25
17	An Improved Wild Horse Optimizer for Solving Optimization Problems. <i>Mathematics</i> , 2022, 10, 1311.	1.1	39
18	Efficient text document clustering approach using multi-search Arithmetic Optimization Algorithm. <i>Knowledge-Based Systems</i> , 2022, 248, 108833.	4.0	25

#	ARTICLE	IF	CITATIONS
19	Enhanced Remora Optimization Algorithm for Solving Constrained Engineering Optimization Problems. <i>Mathematics</i> , 2022, 10, 1696.	1.1	45
20	A Normal Distributed Dwarf Mongoose Optimization Algorithm for Global Optimization and Data Clustering Applications. <i>Symmetry</i> , 2022, 14, 1021.	1.1	24
21	Aquila Optimizer Based PSO Swarm Intelligence for IoT Task Scheduling Application in Cloud Computing. <i>Studies in Computational Intelligence</i> , 2022, , 481-497.	0.7	19
22	Recent Advances in Harris Hawks Optimization: A Comparative Study and Applications. <i>Electronics (Switzerland)</i> , 2022, 11, 1919.	1.8	37
23	Enhanced a hybrid moth-flame optimization algorithm using new selection schemes. <i>Engineering With Computers</i> , 2021, 37, 2931-2956.	3.5	47
24	An intelligent long-lived TCP based on real-time traffic regulation. <i>Multimedia Tools and Applications</i> , 2021, 80, 16763-16780.	2.6	8
25	Ant Lion Optimizer: A Comprehensive Survey of Its Variants and Applications. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 1397-1416.	6.0	110
26	A novel hybrid antlion optimization algorithm for multi-objective task scheduling problems in cloud computing environments. <i>Cluster Computing</i> , 2021, 24, 205-223.	3.5	208
27	Group search optimizer: a nature-inspired meta-heuristic optimization algorithm with its results, variants, and applications. <i>Neural Computing and Applications</i> , 2021, 33, 2949-2972.	3.2	124
28	Improved binary gray wolf optimizer and SVM for intrusion detection system in wireless sensor networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 1559-1576.	3.3	143
29	A parallel hybrid krill herd algorithm for feature selection. <i>International Journal of Machine Learning and Cybernetics</i> , 2021, 12, 783-806.	2.3	33
30	A novel bat algorithm with dynamic membrane structure for optimization problems. <i>Applied Intelligence</i> , 2021, 51, 1992-2017.	3.3	40
31	Feature selection method using improved CHI Square on Arabic text classifiers: analysis and application. <i>Multimedia Tools and Applications</i> , 2021, 80, 10373-10390.	2.6	29
32	Development of a Real-Time Dynamic Weighting Method in Routing for Congestion Control: Application and Analysis. <i>Wireless Personal Communications</i> , 2021, 118, 755-772.	1.8	3
33	Advances in Meta-Heuristic Optimization Algorithms in Big Data Text Clustering. <i>Electronics (Switzerland)</i> , 2021, 10, 101.	1.8	65
34	A novel feature selection method for data mining tasks using hybrid Sine Cosine Algorithm and Genetic Algorithm. <i>Cluster Computing</i> , 2021, 24, 2161-2176.	3.5	56
35	Advanced metaheuristic optimization techniques in applications of deep neural networks: a review. <i>Neural Computing and Applications</i> , 2021, 33, 14079-14099.	3.2	60
36	The Arithmetic Optimization Algorithm. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 376, 113609.	3.4	1,513

#	ARTICLE	IF	CITATIONS
37	Intelligent workflow scheduling for Big Data applications in IoT cloud computing environments. Cluster Computing, 2021, 24, 2957-2976.	3.5	47
38	Social Media Toxicity Classification Using Deep Learning: Real-World Application UK Brexit. Electronics (Switzerland), 2021, 10, 1332.	1.8	41
39	Aquila Optimizer: A novel meta-heuristic optimization algorithm. Computers and Industrial Engineering, 2021, 157, 107250.	3.4	1,209
40	Cyberstalking Victimization Model Using Criminological Theory: A Systematic Literature Review, Taxonomies, Applications, Tools, and Validations. Electronics (Switzerland), 2021, 10, 1670.	1.8	7
41	A Hybrid SSA and SMA with Mutation Opposition-Based Learning for Constrained Engineering Problems. Computational Intelligence and Neuroscience, 2021, 2021, 1-21.	1.1	27
42	Advanced optimization technique for scheduling IoT tasks in cloud-fog computing environments. Future Generation Computer Systems, 2021, 124, 142-154.	4.9	81
43	Dragonfly algorithm: a comprehensive survey of its results, variants, and applications. Multimedia Tools and Applications, 2021, 80, 14979-15016.	2.6	37
44	Applications, Deployments, and Integration of Internet of Drones (IoD): A Review. IEEE Sensors Journal, 2021, 21, 25532-25546.	2.4	175
45	Deep Ensemble of Slime Mold Algorithm and Arithmetic Optimization Algorithm for Global Optimization. Processes, 2021, 9, 1774.	1.3	55
46	Survey on Twitter Sentiment Analysis: Architecture, Classifications, and Challenges. Signals and Communication Technology, 2021, , 1-18.	0.4	6
47	Improving Automated Arabic Essay Questions Grading Based on Microsoft Word Dictionary. Signals and Communication Technology, 2021, , 19-40.	0.4	1
48	Class Diagram Generation from Text Requirements: An Application of Natural Language Processing. Signals and Communication Technology, 2021, , 55-79.	0.4	0
49	Migration-Based Moth-Flame Optimization Algorithm. Processes, 2021, 9, 2276.	1.3	53
50	Moth-flame optimization algorithm: variants and applications. Neural Computing and Applications, 2020, 32, 9859-9884.	3.2	159
51	Salp swarm algorithm: a comprehensive survey. Neural Computing and Applications, 2020, 32, 11195-11215.	3.2	215
52	Nature-Inspired Optimization Algorithms for Text Document Clustering – A Comprehensive Analysis. Algorithms, 2020, 13, 345.	1.2	58
53	Green Communication for Underwater Wireless Sensor Networks: Triangle Metric Based Multi-Layered Routing Protocol. Sensors, 2020, 20, 7278.	2.1	6
54	A Comprehensive Survey of the Harmony Search Algorithm in Clustering Applications. Applied Sciences (Switzerland), 2020, 10, 3827.	1.3	98

#	ARTICLE	IF	CITATIONS
55	Multi-verse optimizer algorithm: a comprehensive survey of its results, variants, and applications. Neural Computing and Applications, 2020, 32, 12381-12401.	3.2	144
56	A Future Mobile Packet Core Network Based on Ip-In-Ip Protocol. International Journal of Computer Networks and Communications, 2018, 10, 83-103.	0.3	2
57	A Flat Mobile Core Network for Evolved Packet Core Based SAE Mobile Networks. Journal of Computer and Communications, 2017, 05, 62-73.	0.6	3