Mohammad Al Shinwan

List of Publications by Year
in descending order

57	6,196	136740 32	155451 55
papers	citations	h-index	g-index

58	58	58	1935
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Arithmetic Optimization Algorithm. Computer Methods in Applied Mechanics and Engineering, 2021, 376, 113609.	3.4	1,513
2	Aquila Optimizer: A novel meta-heuristic optimization algorithm. Computers and Industrial Engineering, 2021, 157, 107250.	3.4	1,209
3	Reptile Search Algorithm (RSA): A nature-inspired meta-heuristic optimizer. Expert Systems With Applications, 2022, 191, 116158.	4.4	693
4	Salp swarm algorithm: a comprehensive survey. Neural Computing and Applications, 2020, 32, 11195-11215.	3.2	215
5	A novel hybrid antlion optimization algorithm forÂmulti-objective task scheduling problems in cloud computing environments. Cluster Computing, 2021, 24, 205-223.	3.5	208
6	Applications, Deployments, and Integration of Internet of Drones (IoD): A Review. IEEE Sensors Journal, 2021, 21, 25532-25546.	2.4	175
7	Mothâ€“flame optimization algorithm: variants and applications. Neural Computing and Applications, 2020, 32, 9859-9884.	3.2	159
8	Multi-verse optimizer algorithm: a comprehensive survey of its results, variants, and applications. Neural Computing and Applications, 2020, 32, 12381-12401.	3.2	144
9	Improved binary gray wolf optimizer and SVM for intrusion detection system in wireless sensor networks. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 1559-1576.	3.3	143
10	Group search optimizer: a nature-inspired meta-heuristic optimization algorithm with its results, variants, and applications. Neural Computing and Applications, 2021, 33, 2949-2972.	3.2	124
11	Ant Lion Optimizer: A Comprehensive Survey of Its Variants and Applications. Archives of Computational Methods in Engineering, 2021, 28, 1397-1416.	6.0	110
12	A Comprehensive Survey of the Harmony Search Algorithm in Clustering Applications. Applied Sciences (Switzerland), 2020, 10, 3827.	1.3	98
13	Advanced optimization technique for scheduling IoT tasks in cloud-fog computing environments. Future Generation Computer Systems, 2021, 124, 142-154.	4.9	81
14	Amended hybrid multi-verse optimizer with genetic algorithm for solving task scheduling problem in cloud computing. Journal of Supercomputing, 2022, 78, 740-765.	2.4	80
15	Advances in Meta-Heuristic Optimization Algorithms in Big Data Text Clustering. Electronics (Switzerland), 2021, 10, 101.	1.8	65
16	Advanced metaheuristic optimization techniques in applications of deep neural networks: a review. Neural Computing and Applications, 2021, 33, 14079-14099.	3.2	60
17	Nature-Inspired Optimization Algorithms for Text Document Clusteringâ€”A Comprehensive Analysis. Algorithms, 2020, 13, 345.	1.2	58
18	A novel feature selection method for data mining tasks using hybrid Sine Cosine Algorithm and Genetic Algorithm. Cluster Computing, 2021, 24, 2161-2176.	3.5	56

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19	Deep Ensemble of Slime Mold Algorithm and Arithmetic Optimization Algorithm for Global Optimization. Processes, 2021, 9, 1774.	1.3	55
20	Migration-Based Moth-Flame Optimization Algorithm. Processes, 2021, 9, 2276.	1.3	53
21	Meta-heuristic optimization algorithms for solving real-world mechanical engineering design problems: a comprehensive survey, applications, comparative analysis, and results. Neural Computing and Applications, 2022, 34, 4081-4110.	3.2	51
22	Chaotic binary Group Search Optimizer for feature selection. Expert Systems With Applications, 2022, 192, 116368.	4.4	49
23	Enhanced a hybrid moth-flame optimization algorithm using new selection schemes. Engineering With Computers, 2021, 37, 2931-2956.	3.5	47
24	Improved Slime Mould Algorithm based on Firefly Algorithm for feature selection: A case study on QSAR model. Engineering With Computers, 2022, 38, 2407-2421.	3.5	47
25	Intelligent workflow scheduling for Big Data applications in IoT cloud computing environments. Cluster Computing, 2021, 24, 2957-2976.	3.5	47
26	Enhanced Remora Optimization Algorithm for Solving Constrained Engineering Optimization Problems. Mathematics, 2022, 10, 1696.	1.1	45
27	Social Media Toxicity Classification Using Deep Learning: Real-World Application UK Brexit. Electronics (Switzerland), 2021, 10, 1332.	1.8	41
28	A novel bat algorithm with dynamic membrane structure for optimization problems. Applied Intelligence, 2021, 51, 1992-2017.	3.3	40
29	An Improved Wild Horse Optimizer for Solving Optimization Problems. Mathematics, 2022, 10, 1311.	1.1	39
30	Dragonfly algorithm: a comprehensive survey of its results, variants, and applications. Multimedia Tools and Applications, 2021, 80, 14979-15016.	2.6	37
31	Recent Advances in Harris Hawks Optimization: A Comparative Study and Applications. Electronics (Switzerland), 2022, 11, 1919.	1.8	37
32	A parallel hybrid krill herd algorithm for feature selection. International Journal of Machine Learning and Cybernetics, 2021, 12, 783-806.	2.3	33
33	Machine Learning Technologies for Big Data Analytics. Electronics (Switzerland), 2022, 11, 421.	1.8	33
34	Selection scheme sensitivity for a hybrid Salp Swarm Algorithm: analysis and applications. Engineering With Computers, 2022, 38, 1149-1175.	3.5	29
35	Feature selection method using improved CHI Square on Arabic text classifiers: analysis and application. Multimedia Tools and Applications, 2021, 80, 10373-10390.	2.6	29
36	Improved slime mould algorithm by opposition-based learning and Levy flight distribution for global optimization and advances in real-world engineering problems. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 1163-1202.	3.3	29

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37	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
38	An improved chaotic image encryption algorithm using Hadoop-based MapReduce framework for massive remote sensed images in parallel IoT applications. Cluster Computing, 2022, 25, 999-1013.	3.5	27
39	Boosting arithmetic optimization algorithm by sine cosine algorithm and levy flight distribution for solving engineering optimization problems. Neural Computing and Applications, 2022, 34, 8823-8852.	3.2	25
40	Boosting Marine Predators Algorithm by Salp Swarm Algorithm for Multilevel Thresholding Image Segmentation. Multimedia Tools and Applications, 2022, 81, 16707-16742.	2.6	25
41	Efficient text document clustering approach using multi-search Arithmetic Optimization Algorithm. Knowledge-Based Systems, 2022, 248, 108833.	4.0	25
42	A Normal Distributed Dwarf Mongoose Optimization Algorithm for Global Optimization and Data Clustering Applications. Symmetry, 2022, 14, 1021.	1.1	24
43	Aquila Optimizer Based PSO Swarm Intelligence for IoT Task Scheduling Application in Cloud Computing. Studies in Computational Intelligence, 2022, , 481-497.	0.7	19
44	Black hole algorithm: A comprehensive survey. Applied Intelligence, 2022, 52, 11892-11915.	3.3	16
45	An Efficient 5G Data Plan Approach Based on Partially Distributed Mobility Architecture. Sensors, 2022, 22, 349.	2.1	13
46	An intelligent long-lived TCP based on real-time traffic regulation. Multimedia Tools and Applications, 2021, 80, 16763-16780.	2.6	8
47	Cyberstalking Victimization Model Using Criminological Theory: A Systematic Literature Review, Taxonomies, Applications, Tools, and Validations. Electronics (Switzerland), 2021, 10, 1670.	1.8	7
48	Improved gradual change-based Harris Hawks optimization for real-world engineering design problems. Engineering With Computers, 2023, 39, 1843-1883.	3.5	7
49	Green Communication for Underwater Wireless Sensor Networks: Triangle Metric Based Multi-Layered Routing Protocol. Sensors, 2020, 20, 7278.	2.1	6
50	Survey on Twitter Sentiment Analysis: Architecture, Classifications, and Challenges. Signals and Communication Technology, 2021, , 1-18.	0.4	6
51	Boosted Harris Hawks gravitational force algorithm for global optimization and industrial engineering problems. Journal of Intelligent Manufacturing, 2023, 34, 2693-2728.	4.4	6
52	A novel generalized normal distribution arithmetic optimization algorithm for global optimization and data clustering problems. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 389-417.	3.3	5
53	Development of a Real-Time Dynamic Weighting Method in Routing for Congestion Control: Application and Analysis. Wireless Personal Communications, 2021, 118, 755-772.	1.8	3
54	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

#	Article	IF	Citations
55	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
56	Improving Automated Arabic Essay Questions Grading Based on Microsoft Word Dictionary. Signals and Communication Technology, 2021, , 19-40.	0.4	1
57	Class Diagram Generation from Text Requirements: An Application of Natural Language Processing. Signals and Communication Technology, 2021, , 55-79.	0.4	0