Ali Sadollah

List of Publications by Year
in descending order

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79 papers	4,427 citations	201385 27 h-index	110170 64 g-index
83 all docs	83 docs citations	83 times ranked	3019 citing authors

#	Article	IF	Citations
1	Improved Q â€learning algorithm for solving permutation flow shop scheduling problems. IET Collaborative Intelligent Manufacturing, 2022, 4, 35-44.	1.9	11
2	Modelling and optimization of integrated distributed flow shop scheduling and distribution problems with time windows. Expert Systems With Applications, 2022, 187, 115827.	4.4	32
3	Modelling and scheduling integration of distributed production and distribution problems via black widow optimization. Swarm and Evolutionary Computation, 2022, 68, 101015.	4.5	25
4	Prediction and optimization of electrical conductivity for polymer-based composites using design of experiment and artificial neural networks. Neural Computing and Applications, 2022, 34, 7653-7671.	3.2	4
5	A Comparative State-of-the-Art Constrained Metaheuristics Framework for TRUSS Optimisation on Shape and Sizing. Mathematical Problems in Engineering, 2022, 2022, 1-13.	0.6	6
6	Minimizing the levelized cost of energy in an offshore wind farm with non-homogeneous turbines through layout optimization. Ocean Engineering, 2022, 249, 110859.	1.9	9
7	Urban transit network optimization under variable demand with single and multi-objective approaches using metaheuristics: The case of Daejeon, Korea. International Journal of Sustainable Transportation, 2021, 15, 386-406.	2.1	6
8	Memetic computing for imprecise solution of T-shaped heat transfer fins. Engineering Optimization, 2021, 53, 1504-1522.	1.5	0
9	A combination of FA and SRPSO algorithm for Combined Heat and Power Economic Dispatch. Applied Soft Computing Journal, 2021, 102, 107088.	4.1	36
10	Harmony Search Algorithm and Fuzzy Logic Theory: An Extensive Review from Theory to Applications. Mathematics, 2021, 9, 2665.	1.1	8
11	Self-adaptive global mine blast algorithm for numerical optimization. Neural Computing and Applications, 2020, 32, 2423-2444.	3.2	5
12	A review of energy-efficient scheduling in intelligent production systems. Complex & Intelligent Systems, 2020, 6, 237-249.	4.0	139
13	Performance comparison of metaheuristic algorithms using a modified Gaussian fitness landscape generator. Soft Computing, 2020, 24, 7383-7393.	2.1	5
14	Improvement of Cyber-Attack Detection Accuracy from Urban Water Systems Using Extreme Learning Machine. Applied Sciences (Switzerland), 2020, 10, 8179.	1.3	9
15	A comprehensive review on water cycle algorithm and its applications. Neural Computing and Applications, 2020, 32, 17433-17488.	3.2	38
16	Sustainability and Optimization: From Conceptual Fundamentals to Applications. Sustainability, 2020, 12, 2027.	1.6	31
17	Comparative Study of Harmony Search Algorithm and its Applications in China, Japan and Korea. Applied Sciences (Switzerland), 2020, 10, 3970.	1.3	9
18	A Novel Metaheuristic Approach for Loss Reduction and Voltage Profile Improvement in Power Distribution Networks Based on Simultaneous Placement and Sizing of Distributed Generators and Shunt Capacitor Banks. Lecture Notes in Computer Science, 2020, , 64-76.	1.0	0

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19	Performance Comparison of Metaheuristic Optimization Algorithms Using Water Distribution System Design Benchmarks. Advances in Intelligent Systems and Computing, 2019, , 97-104.	0.5	4
20	Generation of Benchmark Problems for Optimal Design of Water Distribution Systems. Water (Switzerland), 2019, 11, 1637.	1.2	2
21	Management of traffic congestion in adaptive traffic signals using a novel classification-based approach. Engineering Optimization, 2019, 51, 1509-1528.	1.5	14
22	A wavelet-based scheme for impact identification of framed structures using combined genetic and water cycle algorithms. Journal of Sound and Vibration, 2019, 443, 25-46.	2.1	10
23	Stability and iterative convergence of water cycle algorithm for computationally expensive and combinatorial Internet shopping optimisation problems. Journal of Experimental and Theoretical Artificial Intelligence, 2019, 31, 701-721.	1.8	8
24	Mine blast harmony search: A new hybrid optimization method for improving exploration and exploitation capabilities. Applied Soft Computing Journal, 2018, 68, 548-564.	4.1	39
25	Discrete harmony search algorithm for scheduling and rescheduling the reprocessing problems in remanufacturing: a case study. Engineering Optimization, 2018, 50, 965-981.	1.5	20
26	A discrete water cycle algorithm for solving the symmetric and asymmetric traveling salesman problem. Applied Soft Computing Journal, 2018, 71, 277-290.	4.1	89
27	Optimal Coordination Strategy for an Integrated Multimodal Transit Feeder Network Design Considering Multiple Objectives. Sustainability, 2018, 10, 734.	1.6	7
28	A dynamic metaheuristic optimization model inspired by biological nervous systems: Neural network algorithm. Applied Soft Computing Journal, 2018, 71, 747-782.	4.1	176
29	Application of multiâ€objective evolutionary algorithms for the rehabilitation of storm sewer pipe networks. Journal of Flood Risk Management, 2017, 10, 326-338.	1.6	25
30	Jaya, harmony search and water cycle algorithms for solving large-scale real-life urban traffic light scheduling problem. Swarm and Evolutionary Computation, 2017, 37, 58-72.	4.5	64
31	Gradient-based Water Cycle Algorithm with evaporation rate applied to chaos suppression. Applied Soft Computing Journal, 2017, 53, 420-440.	4.1	61
32	Fuzzy Dynamic Adaptation of Parameters in the Water Cycle Algorithm. Studies in Computational Intelligence, 2017, , 297-311.	0.7	9
33	The application of water cycle algorithm to portfolio selection. Economic Research-Ekonomska Istrazivanja, 2017, 30, 1277-1299.	2.6	6
34	Improved artificial bee colony algorithm for solving urban traffic light scheduling problem. , 2017, , .		12
35	Engineering benchmark generation and performance measurement of evolutionary algorithms. , 2017, , .		2
36	Metaheuristic optimisation methods for approximate solving of singular boundary value problems. Journal of Experimental and Theoretical Artificial Intelligence, 2017, 29, 823-842.	1.8	1

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37	Water Cycle Algorithm with Fuzzy Logic for Dynamic Adaptation of Parameters. Lecture Notes in Computer Science, 2017, , 250-260.	1.0	5
38	The Extraordinary Particle Swarm Optimization and Its Application in Constrained Engineering Problems. Advances in Intelligent Systems and Computing, 2017, , 35-41.	0.5	1
39	Optimization of Hydropower Storage Projects Using Harmony Search Algorithm. Advances in Intelligent Systems and Computing, 2017, , 261-270.	0.5	1
40	Optimization of an Improved Intermodal Transit Model Equipped with Feeder Bus and Railway Systems Using Metaheuristics Approaches. Sustainability, 2016, 8, 537.	1.6	16
41	Water cycle algorithm: A detailed standard code. SoftwareX, 2016, 5, 37-43.	1.2	75
42	Approximate solutions of heat transfer fins with convex and exponential profiles using fourier-based optimization method. , 2016, , .		0
43	Improved model of combinatorial Internet shopping optimization problem using evolutionary algorithms. , 2016, , .		2
44	Discrete Jaya algorithm for flexible job shop scheduling problem with new job insertion. , 2016, , .		8
45	Jaya algorithm for solving urban traffic signal control problem. , 2016, , .		10
46	Optimal power flow solution using water cycle algorithm. , 2016, , .		3
47	Optimal cost design of water distribution networks using a decomposition approach. Engineering Optimization, 2016, 48, 2141-2156.	1.5	14
48	Optimizing urban traffic light scheduling problem using harmony search with ensemble of local search. Applied Soft Computing Journal, 2016, 48, 359-372.	4.1	72
49	Artificial bee colony algorithm for scheduling and rescheduling fuzzy flexible job shop problem with new job insertion. Knowledge-Based Systems, 2016, 109, 1-16.	4.0	112
50	A cooperative particle swarm optimizer with stochastic movements for computationally expensive numerical optimization problems. Journal of Computational Science, 2016, 13, 68-82.	1.5	76
51	Optimization of reinforced concrete retaining walls via hybrid firefly algorithm with upper bound strategy. KSCE Journal of Civil Engineering, 2016, 20, 2428-2438.	0.9	33
52	Mine Blast Harmony Search and Its Applications. Advances in Intelligent Systems and Computing, 2016, , 155-168.	0.5	2
53	KU Battle of Metaheuristic Optimization Algorithms 2: Performance Test. Advances in Intelligent Systems and Computing, 2016, , 207-213.	0.5	0
54	Performance Measures of Metaheuristic Algorithms. Advances in Intelligent Systems and Computing, 2016, , 11-17.	0.5	5

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55	A New Collaborative Approach to Particle Swarm Optimization for Global Optimization. Advances in Intelligent Systems and Computing, 2016, , 641-649.	0.5	0
56	Imprecise Solutions of Ordinary Differential Equations for Boundary Value Problems Using Metaheuristic Algorithms. Advances in Computational Intelligence and Robotics Book Series, 2016, , 401-421.	0.4	2
57	Optimal Pipe Size Design for Looped Irrigation Water Supply System Using Harmony Search: Saemangeum Project Area. Scientific World Journal, The, 2015, 2015, 1-10.	0.8	6
58	Metaheuristic optimization algorithms for approximate solutions to ordinary differential equations. , 2015, , .		4
59	Approximate solving of nonlinear ordinary differential equations using least square weight function and metaheuristic algorithms. Engineering Applications of Artificial Intelligence, 2015, 40, 117-132.	4.3	40
60	Water cycle algorithm with evaporation rate for solving constrained and unconstrained optimization problems. Applied Soft Computing Journal, 2015, 30, 58-71.	4.1	173
61	Water cycle, mine blast and improved mine blast algorithms for discrete sizing optimization of truss structures. Computers and Structures, 2015, 149, 1-16.	2.4	107
62	Improved mine blast algorithm for optimal cost design of water distribution systems. Engineering Optimization, 2015, 47, 1602-1618.	1.5	37
63	Applications of network analysis and multi-objective genetic algorithm for selecting optimal water quality sensor locations in water distribution networks. KSCE Journal of Civil Engineering, 2015, 19, 2333-2344.	0.9	18
64	Optimization of a Transit Services Model with a Feeder Bus and Rail System Using Metaheuristic Algorithms. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	21
65	Metaheuristic algorithms for approximate solution to ordinary differential equations of longitudinal fins having various profiles. Applied Soft Computing Journal, 2015, 33, 360-379.	4.1	23
66	Water cycle algorithm for solving constrained multi-objective optimization problems. Applied Soft Computing Journal, 2015, 27, 279-298.	4.1	213
67	Water cycle algorithm for solving multi-objective optimization problems. Soft Computing, 2015, 19, 2587-2603.	2.1	99
68	Optimum mechanical behavior of calcium phosphate cement/hydroxyl group functionalized multi-walled carbon nanotubes/bovine serum albumin composite using metaheuristic algorithms. Neural Computing and Applications, 2014, 24, 193-200.	3.2	1
69	Prediction and optimization of electrospinning parameters for polymethyl methacrylate nanofiber fabrication using response surface methodology and artificial neural networks. Neural Computing and Applications, 2014, 25, 767-777.	3.2	60
70	Geometry optimization of a cylindrical fin heat sink using mine blast algorithm. International Journal of Advanced Manufacturing Technology, 2014, 73, 795-804.	1.5	10
71	Prediction and optimization of stability parameters for titanium dioxide nanofluid using response surface methodology and artificial neural networks. Science and Engineering of Composite Materials, 2013, 20, 319-330.	0.6	18
72	Sizing Optimization of Sandwich Panels Having Prismatic Core Using Water Cycle Algorithm. , 2013, , .		5

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73	Mine blast algorithm: A new population based algorithm for solving constrained engineering optimization problems. Applied Soft Computing Journal, 2013, 13, 2592-2612.	4.1	740
74	Optimization of laminate stacking sequence for minimizing weight and cost using elitist ant system optimization. Advances in Engineering Software, 2013, 57, 8-18.	1.8	37
75	Optimization of die design using metaheuristic methods in cold forward extrusion process. Neural Computing and Applications, 2012, 21, 2071-2076.	3.2	4
76	Water cycle algorithm â€“ A novel metaheuristic optimization method for solving constrained engineering optimization problems. Computers and Structures, 2012, 110-111, 151-166.	2.4	1,210
77	Mine blast algorithm for optimization of truss structures with discrete variables. Computers and Structures, 2012, 102-103, 49-63.	2.4	183
78	Optimum gradient material for a functionally graded dental implant using metaheuristic algorithms. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 1384-1395.	1.5	48
79	Optimum Material Gradient for Functionally Graded Dental Implant Using Particle Swarm Optimization. Advanced Materials Research, 0, 647, 30-36.	0.3	7