Surafel Luleseged Tilahun

List of Publications by Year
in descending order

28 papers	537 citations	840119 11 h-index	642321 23 g-index
29 all docs	29 docs citations	29 times ranked	493 citing authors

#	Article	IF	Citations
1	Modified Firefly Algorithm. Journal of Applied Mathematics, 2012, 2012, 1-12.	0.4	76
2	Firefly algorithm for discrete optimization problems: A survey. KSCE Journal of Civil Engineering, 2017, 21, 535-545.	0.9	71
3	Prey-Predator Algorithm: A New Metaheuristic Algorithm for Optimization Problems. International Journal of Information Technology and Decision Making, 2015, 14, 1331-1352.	2.3	68
4	Continuous versions of firefly algorithm: a review. Artificial Intelligence Review, 2019, 51, 445-492.	9.7	60
5	Similarity in metaheuristics: a gentle step towards a comparison methodology. Natural Computing, 2022, 21, 265-287.	1.8	38
6	Learning Logic Programming in Radial Basis Function Network via Genetic Algorithm. Journal of Applied Sciences, 2012, 12, 840-847.	0.1	34
7	Bus Timetabling as a Fuzzy Multiobjective Optimization Problem Using Preference-based Genetic Algorithm. Promet - Traffic - Traffico, 2012, 24, 183-191.	0.3	24
8	Optimization of Microchannel Heat Sinks Using Prey-Predator Algorithm and Artificial Neural Networks. Machines, 2018, 6, 26.	1.2	23
9	Cooperative Multiagent System for Parking Availability Prediction Based on Time Varying Dynamic Markov Chains. Journal of Advanced Transportation, 2017, 2017, 1-14.	0.9	21
10	Modeling the expansion of Prosopis juliflora and determining its optimum utilization rate to control the invasion in Afar Regional State of Ethiopia. International Journal of Applied Mathematical Research, 2012, 1, .	0.2	14
11	Vector optimisation using fuzzy preference in evolutionary strategy based firefly algorithm. International Journal of Operational Research, 2013, 16, 81.	0.1	14
12	Prey predator hyperheuristic. Applied Soft Computing Journal, 2017, 59, 104-114.	4.1	12
13	Balancing the Degree of Exploration and Exploitation of Swarm Intelligence Using Parallel Computing. International Journal on Artificial Intelligence Tools, 2019, 28, 1950014.	0.7	11
14	Prey predator algorithm with adaptive step length. International Journal of Bio-Inspired Computation, 2016, 8, 195.	0.6	9
15	Comparison between genetic algorithm and prey-predator algorithm. Malaysian Journal of Fundamental and Applied Sciences, 2014, 9, .	0.4	9
16	A New Algorithm for Multilevel Optimization Problems Using Evolutionary Strategy, Inspired by Natural Adaptation. Lecture Notes in Computer Science, 2012, , 577-588.	1.0	8
17	Extended Prey-Predator Algorithm with a Group Hunting Scenario. Advances in Operations Research, 2016, 2016, 1-14.	0.2	8
18	Comparative study of prey predator algorithm and firefly algorithm. Intelligent Automation and Soft Computing, 2018, 24, 359-366.	1.6	7

#	Article	IF	Citations
19	Prey-predator algorithm for discrete problems: a case for examinationtimetabling problem. Turkish Journal of Electrical Engineering and Computer Sciences, 2019, 27, 950-960.	0.9	7
20	Feasibility reduction approach for hierarchical decision making with multiple objectives. Operations Research Perspectives, 2019, 6, 100093.	1.2	5
21	Swarm hyperheuristic framework. Journal of Heuristics, 2019, 25, 809-836.	1.1	5
22	Prey Predator Algorithm for Travelling Salesman Problem. Advances in Hospitality, Tourism and the Services Industry, 2017, , 400-422.	0.2	5
23	Satisfiability of logic programming based on radial basis function neural networks. , 2014, , .		3
24	Grey theory to predict Ethiopian foreign currency exchange rate. International Journal of Business Forecasting and Market Intelligence, 2016, 2, 95.	0.1	2
25	Fuzzy Preference Incorporated Evolutionary Algorithm for Multiobjective Optimization. International Journal on Advanced Science, Engineering and Information Technology, 2011, 1, 26.	0.2	2
26	Convex Grey Optimization. RAIRO - Operations Research, 2019, 53, 339-349.	1.0	0
27	Weight Minimization of a Speed Reducer Using Prey Predator Algorithm. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2018, 8, 19-32.	0.3	0
28	Swarm intelligence for a single source product distribution. International Journal of Advanced Intelligence Paradigms, 2022, 21, 87.	0.2	0