Ana Carolina Olivera

List of Publications by Year
in descending order

21 papers	492 citations	1163117 8 h-index	888059 17 g-index
22 all docs	22 docs citations	22 times ranked	500 citing authors

#	Article	IF	Citations
1	Optimising Multilayer Perceptron weights and biases through a Cellular Genetic Algorithm for medical data classification. Array, 2022, 14, 100173.	4.0	14
2	A Memetic Cellular Genetic Algorithm for Cancer Data Microarray Feature Selection. IEEE Latin America Transactions, 2020, 18, 1874-1883.	1.6	7
3	Management of urban traffic flow based on traffic lights scheduling optimization. IEEE Latin America Transactions, 2019, 17, 102-110.	1.6	5
4	A novel hybrid multi-objective metamodel-based evolutionary optimization algorithm. Operations Research Perspectives, 2019, 6, 100098.	2.1	11
5	Traffic lights synchronization for Bus Rapid Transit using a parallel evolutionary algorithm. International Journal of Transportation Science and Technology, 2019, 8, 53-67.	3.6	26
6	A Multi-Objective Optimization via Simulation Framework for Restructuring Traffic Networks Subject to Increases in Population. Operations Research/ Computer Science Interfaces Series, 2018, , 199-218.	0.3	1
7	Ensamblado de fragmentos de ADN utilizando un novedoso algoritmo de luciérnaga en GPU. DYNA (Colombia), 2018, 85, 108-116.	0.4	3
8	Multiobjective evolutionary optimization of traffic flow and pollution in Montevideo, Uruguay. Applied Soft Computing Journal, 2018, 70, 472-485.	7.2	28
9	Solving the DNA fragment assembly problem with a parallel discrete firefly algorithm implemented on GPU. Computer Science and Information Systems, 2018, 15, 273-293.	1.0	6
10	Optimization of Traffic Network Design Using Nature-Inspired Algorithm. Advances in Computational Intelligence and Robotics Book Series, 2016, , 266-287.	0.4	1
11	Reducing vehicle emissions and fuel consumption in the city by using particle swarm optimization. Applied Intelligence, 2015, 42, 389-405.	5.3	50
12	A hybrid genetic algorithm for ROADEF'05-like complex production problems. DYNA (Colombia), 2015, 82, 82-88.	0.4	2
13	A Parallel Discrete Firefly Algorithm on GPU for Permutation Combinatorial Optimization Problems. Communications in Computer and Information Science, 2014, , 191-205.	0.5	4
14	Optimal Cycle Program of Traffic Lights With Particle Swarm Optimization. IEEE Transactions on Evolutionary Computation, 2013, 17, 823-839.	10.0	135
15	An Improved Hybrid Algorithm for Stochastic Bus-Network Design. , 2013, , 417-438.		0
16	Swarm intelligence for traffic light scheduling: Application to real urban areas. Engineering Applications of Artificial Intelligence, 2012, 25, 274-283.	8.1	125
17	Enhancing the urban road traffic with Swarm Intelligence: A case study of Córdoba city downtown. , 2011, , .		4
18	A memetic algorithm based on a NSGAII scheme for the flexible job-shop scheduling problem. Annals of Operations Research, 2010, 181, 745-765.	4.1	69

#	Article	IF	Citations
19	Bus Network Scheduling Problem: GRASP + EAs with PISA * Simulation. Lecture Notes in Computer Science, 2009, , 1272-1279.	1.3	1
20	Bus Network Optimization Through Time-Dependent Hybrid Algorithm. , 2007, , .		0
21	Bus Network Optimization Through Time-Dependent Hybrid Algorithm. , 2007, , .		0