

# Dario Landa-Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

1,135  
citations

623699

14  
h-index

526264

27  
g-index

80  
all docs

80  
docs citations

80  
times ranked

995  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Adaptive Evolutionary Multi-Objective Approach Based on Simulated Annealing. <i>Evolutionary Computation</i> , 2011, 19, 561-595.	3.0	160
2	Workforce scheduling and routing problems: literature survey and computational study. <i>Annals of Operations Research</i> , 2016, 239, 39-67.	4.1	122
3	Particle swarm optimization for the Steiner tree in graph and delay-constrained multicast routing problems. <i>Journal of Heuristics</i> , 2013, 19, 317-342.	1.4	72
4	Nature of real-world multi-objective vehicle routing with evolutionary algorithms. , 2011, , .		45
5	Great deluge with non-linear decay rate for solving course timetabling problems. , 2008, , .		38
6	The influence of the fitness evaluation method on the performance of multiobjective search algorithms. <i>European Journal of Operational Research</i> , 2006, 169, 875-897.	5.7	37
7	Evolving Deep CNN-LSTMs for Inventory Time Series Prediction. , 2019, , .		35
8	An Ant Algorithm Hyperheuristic for the Project Presentation Scheduling Problem. , 0, , .		32
9	Towards improving the utilization of university teaching space. <i>Journal of the Operational Research Society</i> , 2009, 60, 130-143.	3.4	30
10	The Design of Memetic Algorithms for Scheduling and Timetabling Problems. , 2005, , 289-311.		28
11	A hybrid GRASP-VNS for ship routing and scheduling problem with discretized time windows. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 45, 350-360.	8.1	27
12	Term frequency with average term occurrences for textual information retrieval. <i>Soft Computing</i> , 2016, 20, 3045-3061.	3.6	25
13	Evolutionary Non-linear Great Deluge for University Course Timetabling. <i>Lecture Notes in Computer Science</i> , 2009, , 269-276.	1.3	23
14	An Elitist GRASP Metaheuristic for the Multi-objective Quadratic Assignment Problem. <i>Lecture Notes in Computer Science</i> , 2009, , 481-494.	1.3	23
15	A heuristic algorithm based on multi-assignment procedures for nurse scheduling. <i>Annals of Operations Research</i> , 2014, 218, 165.	4.1	21
16	EUSC: A clustering-based surrogate model to accelerate evolutionary undersampling in imbalanced classification. <i>Applied Soft Computing Journal</i> , 2021, 101, 107033.	7.2	21
17	Asynchronous Cooperative Local Search for the Office-Space-Allocation Problem. <i>INFORMS Journal on Computing</i> , 2007, 19, 575-587.	1.7	17
18	Designing a multi-agent approach system for distributed course timetabling. , 2011, , .		17

#	ARTICLE	IF	CITATIONS
19	Overview of Telematics-Based Prognostics and Health Management Systems for Commercial Vehicles. Communications in Computer and Information Science, 2013, , 123-130.	0.5	16
20	A 0/1 Integer Programming Model for the Office Space Allocation Problem. Electronic Notes in Discrete Mathematics, 2010, 36, 575-582.	0.4	15
21	A Variable Neighbourhood Search for the Workforce Scheduling and Routing Problem. Advances in Intelligent Systems and Computing, 2016, , 247-259.	0.6	15
22	Decomposition techniques with mixed integer programming and heuristics for home healthcare planning. Annals of Operations Research, 2017, 256, 93-127.	4.1	15
23	An evolutionary strategy with machine learning for learning to rank in information retrieval. Soft Computing, 2018, 22, 3171-3185.	3.6	15
24	Evolutionary Multi-objective Simulated Annealing with adaptive and competitive search direction. , 2008, , .		14
25	Hybrid population-based metaheuristic approaches for the space allocation problem. , 0, , .		13
26	A genetic algorithm for a workforce scheduling and routing problem. , 2016, , .		13
27	Large neighbourhood search with adaptive guided ejection search for the pickup and delivery problem with time windows. EURO Journal on Transportation and Logistics, 2018, 7, 151-192.	2.2	13
28	Three Methods to Automate the Space Allocation Process in UK Universities. Lecture Notes in Computer Science, 2001, , 254-273.	1.3	13
29	Exploring Feasible and Infeasible Regions in the Vehicle Routing Problem with Time Windows Using a Multi-objective Particle Swarm Optimization Approach. Studies in Computational Intelligence, 2009, , 103-114.	0.9	13
30	A heuristic algorithm for nurse scheduling with balanced preference satisfaction. , 2011, , .		12
31	ES-Rank. , 2017, , .		12
32	Randomized heuristics for the Capacitated Clustering Problem. Information Sciences, 2017, 417, 154-168.	6.9	11
33	Soft clustering-based scenario bundling for a progressive hedging heuristic in stochastic service network design. Computers and Operations Research, 2021, 128, 105182.	4.0	10
34	Analysis of Objectives Relationships in Multiobjective Problems Using Trade-Off Region Maps. , 2015, , .		8
35	Adaptive multiple crossover genetic algorithm to solve workforce scheduling and routing problem. Journal of Heuristics, 2019, 25, 753-792.	1.4	8
36	A Simple Evolutionary Algorithm with Self-adaptation for Multi-objective Nurse Scheduling. Studies in Computational Intelligence, 2008, , 133-155.	0.9	8

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37	Biometric identification by dermatoglyphics. , 0, , .		7
38	Heuristic approach for automated shelf space allocation. , 2009, , .		7
39	Evolutionary multi-objective optimization algorithms with probabilistic representation based on pheromone trails. , 2010, , .		7
40	Diversity-based adaptive genetic algorithm for a Workforce Scheduling and Routing Problem. , 2017, , .		7
41	An Improved Version of Volume Dominance for Multi-Objective Optimisation. Lecture Notes in Computer Science, 2009, , 231-245.	1.3	7
42	Mixed Integer Programming with Decomposition to Solve a Workforce Scheduling and Routing Problem. , 2015, , .		7
43	A technique based on trade-off maps to visualise and analyse relationships between objectives in optimisation problems. Journal of Multi-Criteria Decision Analysis, 2017, 24, 37-56.	1.9	6
44	A Genetic Algorithm With Composite Chromosome for Shift Assignment of Part-time Employees. , 2018, , .		6
45	Dynamic Programming with Approximation Function for Nurse Scheduling. Lecture Notes in Computer Science, 2016, , 269-280.	1.3	6
46	A new weighting scheme and discriminative approach for information retrieval in static and dynamic document collections. , 2014, , .		5
47	The Teaching Space Allocation Problem with Splitting. , 2006, , 228-247.		5
48	A Greedy Heuristic for Workforce Scheduling and Routing With Time-dependent Activities Constraints. , 2015, , .		5
49	A Variable Neighbourhood Search for Nurse Scheduling with Balanced Preference Satisfaction. , 2015, , .		5
50	Evolutionary local search for solving the office space allocation problem. , 2012, , .		4
51	Extended Decomposition for Mixed Integer Programming to Solve a Workforce Scheduling and Routing Problem. Communications in Computer and Information Science, 2015, , 191-211.	0.5	4
52	An application programming interface with increased performance for optimisation problems data. Journal of Management Analytics, 2016, 3, 305-332.	2.5	4
53	Towards Blockchain-based Ride-sharing Systems. , 2021, , .		4
54	Obtaining Better Non-Dominated Sets Using Volume Dominance. , 2007, , .		3

#	ARTICLE	IF	CITATIONS
55	Measuring the Robustness of Airline Fleet Schedules. , 2005, , 381-392.		3
56	Selecting Genetic Operators to Maximise Preference Satisfaction in a Workforce Scheduling and Routing Problem. , 2017, , .		3
57	Mixed Integer Programming with Decomposition for Workforce Scheduling and Routing with Time-dependent Activities Constraints. , 2016, , .		3
58	Using Goal Programming on Estimated Pareto Fronts to Solve Multiobjective Problems. , 2018, , .		3
59	A Hybrid Surrogate Model for Evolutionary Undersampling in Imbalanced Classification. , 2020, , .		2
60	Adaptive and Assortative Mating Scheme for Evolutionary Multi-Objective Algorithms. , 2007, , 172-183.		2
61	An Investigation of Heuristic Decomposition to Tackle Workforce Scheduling and Routing with Time-Dependent Activities Constraints. Communications in Computer and Information Science, 2017, , 239-260.	0.5	2
62	A Simulation-based Optimisation Approach for Inventory Management of Highly Perishable Food. , 2019, , .		2
63	Approximate Dynamic Programming with Combined Policy Functions for Solving Multi-stage Nurse Rostering Problem. Lecture Notes in Computer Science, 2018, , 349-361.	1.3	1
64	Discovering Beneficial Cooperative Structures for the Automated Construction of Heuristics. Studies in Computational Intelligence, 2010, , 89-100.	0.9	1
65	Computational Study for Workforce Scheduling and Routing Problems. , 2014, , .		1
66	Towards Collaborative Optimisation in a Shared-logistics Environment for Pickup and Delivery Operations. , 2017, , .		1
67	An Efficient Application of Goal Programming to Tackle Multiobjective Problems with Recurring Fitness Landscapes. Communications in Computer and Information Science, 2019, , 134-152.	0.5	1
68	(1+1)-Evolutionary Gradient Strategy to Evolve Global Term Weights in Information Retrieval. Advances in Intelligent Systems and Computing, 2017, , 387-405.	0.6	0
69	Fuzzy C-means-based scenario bundling for stochastic service network design. , 2017, , .		0
70	Lookahead Policy and Genetic Algorithm for Solving Nurse Rostering Problems. Lecture Notes in Computer Science, 2019, , 460-471.	1.3	0
71	Towards the Design of Heuristics by Means of Self-Assembly. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 26, 135-146.	0.8	0
72	An Evolutionary Algorithm for Graph Planarisation by Vertex Deletion. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
73	A Development and Integration Framework for Optimisation-based Enterprise Solutions. , 2014, , .		0
74	Towards an Efficient API for Optimisation Problems Data. , 2016, , .		0
75	Fuzzy C-Means-Based Scenario Bundling for Stochastic Service Network Design. SSRN Electronic Journal, 0, , .	0.4	0