Adriana Lara

List of Publications by Year
in descending order

29 papers	1,055 citations	1170033 9 h-index	889612 19 g-index
30 all docs	30 docs citations	30 times ranked	982 citing authors

#	Article	IF	Citations
1	A Randomized Greedy Algorithm for Piecewise Linear Motion Planning. Mathematics, 2021, 9, 2358.	1.1	1
2	A new gradient free local search mechanism for constrained multi-objective optimization problems. Swarm and Evolutionary Computation, 2021, 67, 100938.	4.5	7
3	On the efficient computation and use of multi-objective descent directions within constrained MOEAs. Swarm and Evolutionary Computation, 2020, 52, 100617.	4.5	12
4	A benchmark for equality constrained multi-objective optimization. Swarm and Evolutionary Computation, 2020, 52, 100619.	4.5	28
5	A Set Based Newton Method for the Averaged Hausdorff Distance for Multi-Objective Reference Set Problems. Mathematics, 2020, 8, 1822.	1.1	2
6	A New Hybrid Evolutionary Algorithm for the Treatment of Equality Constrained MOPs. Mathematics, 2020, 8, 7.	1.1	20
7	Using gradient-free local search within MOEAs for the treatment of constrained MOPs. , 2020, , .		0
8	The Gradient Subspace Approximation and Its Application to Bi-objective Optimization Problems. Studies in Systems, Decision and Control, 2020, , 355-390.	0.8	2
9	A New Hybrid Metaheuristic for Equality Constrained Bi-objective Optimization Problems. Lecture Notes in Computer Science, 2019, , 53-65.	1.0	1
10	On the choice of neighborhood sampling to build effective search operators for constrained MOPs. Memetic Computing, 2019, 11, 155-173.	2.7	5
11	Toward a New Family of Hybrid Evolutionary Algorithms. Lecture Notes in Computer Science, 2019, , 78-90.	1.0	0
12	Sequential motion planning algorithms in real projective spaces: An approach to their immersion dimension. Forum Mathematicum, 2018, 30, 397-417.	0.3	5
13	The Directed Search Method for Unconstrained Parameter Dependent Multi-objective Optimization Problems. Studies in Computational Intelligence, 2017, , 281-330.	0.7	1
14	RDS-NSGA-II: a memetic algorithm for reference point based multi-objective optimization. Engineering Optimization, 2017, 49, 828-845.	1.5	20
15	A local exploration tool for linear many objective optimization problems. , 2016, , .		1
16	Hybridizing MOEAs with Mathematical-Programming Techniques. , 2016, , 185-232.		0
17	An effective mutation operator to deal with multi-objective constrained problems: SPM. , 2016, , .		1
18	The directed search method for multi-objective memetic algorithms. Computational Optimization and Applications, 2016, 63, 305-332.	0.9	41

#	Article	IF	Citations
19	Motion planning in real flag manifolds. Homology, Homotopy and Applications, 2016, 18, 359-375.	0.2	5
20	The Gradient Free Directed Search Method as Local Search within Multi-Objective Evolutionary Algorithms. Advances in Intelligent Systems and Computing, 2013, , 153-168.	0.5	13
21	Using the Averaged Hausdorff Distance as a Performance Measure in Evolutionary Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2012, 16, 504-522.	7.5	508
22	On the Influence of the Number of Objectives on the Hardness of a Multiobjective Optimization Problem. IEEE Transactions on Evolutionary Computation, 2011, 15, 444-455.	7.5	191
23	HCS: A New Local Search Strategy for Memetic Multiobjective Evolutionary Algorithms. IEEE Transactions on Evolutionary Computation, 2010, 14, 112-132.	7.5	163
24	Computing approximate solutions of scalar optimization problems and applications in space mission design. , 2010, , .		0
25	Some comments on GD and IGD and relations to the Hausdorff distance. , 2010, , .		7
26	New challenges for memetic algorithms on continuous multi-objective problems. , 2010, , .		1
27	Using gradient information for multi-objective problems in the evolutionary context. , 2010, , .		3
28	Using gradient-based information to deal with scalability in multi-objective evolutionary algorithms. , 2009, , .		5
29	Evolutionary continuation methods for optimization problems. , 2009, , .		7