Adriana Lara

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3591892/publications.pdf

Version: 2024-02-01

29 papers	1,055 citations	1040018 9 h-index	794568 19 g-index
30 all docs	30 docs citations	30 times ranked	875 citing authors

#	Article	IF	Citations
1	Using the Averaged Hausdorff Distance as a Performance Measure in Evolutionary Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2012, 16, 504-522.	10.0	508
2	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.	10.0	191
3	HCS: A New Local Search Strategy for Memetic Multiobjective Evolutionary Algorithms. IEEE Transactions on Evolutionary Computation, 2010, 14, 112-132.	10.0	163
4	The directed search method for multi-objective memetic algorithms. Computational Optimization and Applications, 2016, 63, 305-332.	1.6	41
5	A benchmark for equality constrained multi-objective optimization. Swarm and Evolutionary Computation, 2020, 52, 100619.	8.1	28
6	RDS-NSGA-II: a memetic algorithm for reference point based multi-objective optimization. Engineering Optimization, 2017, 49, 828-845.	2.6	20
7	A New Hybrid Evolutionary Algorithm for the Treatment of Equality Constrained MOPs. Mathematics, 2020, 8, 7.	2.2	20
8	The Gradient Free Directed Search Method as Local Search within Multi-Objective Evolutionary Algorithms. Advances in Intelligent Systems and Computing, 2013, , 153-168.	0.6	13
9	On the efficient computation and use of multi-objective descent directions within constrained MOEAs. Swarm and Evolutionary Computation, 2020, 52, 100617.	8.1	12
10	Evolutionary continuation methods for optimization problems. , 2009, , .		7
11	Some comments on GD and IGD and relations to the Hausdorff distance. , 2010, , .		7
12	A new gradient free local search mechanism for constrained multi-objective optimization problems. Swarm and Evolutionary Computation, 2021, 67, 100938.	8.1	7
13	Using gradient-based information to deal with scalability in multi-objective evolutionary algorithms. , 2009, , .		5
14	Sequential motion planning algorithms in real projective spaces: An approach to their immersion dimension. Forum Mathematicum, 2018, 30, 397-417.	0.7	5
15	On the choice of neighborhood sampling to build effective search operators for constrained MOPs. Memetic Computing, 2019, 11, 155-173.	4.0	5
16	Motion planning in real flag manifolds. Homology, Homotopy and Applications, 2016, 18, 359-375.	0.4	5
17	Using gradient information for multi-objective problems in the evolutionary context. , 2010, , .		3
18	A Set Based Newton Method for the Averaged Hausdorff Distance for Multi-Objective Reference Set Problems. Mathematics, 2020, 8, 1822.	2.2	2

#	Article	IF	Citations
19	The Gradient Subspace Approximation and Its Application to Bi-objective Optimization Problems. Studies in Systems, Decision and Control, 2020, , 355-390.	1.0	2
20	New challenges for memetic algorithms on continuous multi-objective problems. , 2010, , .		1
21	A local exploration tool for linear many objective optimization problems. , 2016, , .		1
22	An effective mutation operator to deal with multi-objective constrained problems: SPM. , 2016, , .		1
23	The Directed Search Method for Unconstrained Parameter Dependent Multi-objective Optimization Problems. Studies in Computational Intelligence, 2017, , 281-330.	0.9	1
24	A New Hybrid Metaheuristic for Equality Constrained Bi-objective Optimization Problems. Lecture Notes in Computer Science, 2019, , 53-65.	1.3	1
25	A Randomized Greedy Algorithm for Piecewise Linear Motion Planning. Mathematics, 2021, 9, 2358.	2.2	1
26	Computing approximate solutions of scalar optimization problems and applications in space mission design. , 2010, , .		0
27	Hybridizing MOEAs with Mathematical-Programming Techniques. , 2016, , 185-232.		0
28	Toward a New Family of Hybrid Evolutionary Algorithms. Lecture Notes in Computer Science, 2019, , 78-90.	1.3	0
29	Using gradient-free local search within MOEAs for the treatment of constrained MOPs. , 2020, , .		0