Jose Fernandez

List of Publications by Year
in descending order

43 papers	933 citations	361413 20 h-index	454955 30 g-index
46 all docs	46 docs citations	46 times ranked	389 citing authors

#	Article	IF	Citations
1	Solving a Huff-like competitive location and design model for profit maximization in the plane. European Journal of Operational Research, 2007, 179, 1274-1287.	5.7	112
2	Obtaining the efficient set of nonlinear biobjective optimization problems via interval branch-and-bound methods. Computational Optimization and Applications, 2009, 42, 393-419.	1.6	45
3	Solving the Multiple Competitive Facilities Location and Design Problem on the Plane. Evolutionary Computation, 2009, 17, 21-53.	3.0	44
4	Planar Location and Design of a New Facility with Inner and Outer Competition: An Interval Lexicographical-like Solution Procedure. Networks and Spatial Economics, 2007, 7, 19-44.	1.6	41
5	On a branch-and-bound approach for a Huff-like Stackelberg location problem. OR Spectrum, 2009, 31, 679-705.	3.4	41
6	Sequential versus simultaneous approach in the location and design of two new facilities using planar Huff-like models. Computers and Operations Research, 2009, 36, 1393-1405.	4.0	41
7	Heuristics for the facility location and design (1|1)-centroid problem on the plane. Computational Optimization and Applications, 2010, 45, 111-141.	1.6	40
8	A continuous location model for siting a non-noxious undesirable facility within a geographical region. European Journal of Operational Research, 2000, 121, 259-274.	5.7	38
9	Location equilibria for a continuous competitive facility location problem under delivered pricing. Computers and Operations Research, 2014, 41, 185-195.	4.0	38
10	New interval methods for constrained global optimization. Mathematical Programming, 2006, 106, 287-318.	2.4	37
11	Estimating actual distances by norm functions: a comparison between the lk,p,Î¸-norm and the lb1,b2,Î¸-norm and a study about the selection of the data set. Computers and Operations Research, 2002, 29, 609-623.	4.0	34
12	Obtaining an outer approximation of the efficient set of nonlinear biobjective problems. Journal of Global Optimization, 2007, 38, 315-331.	1.8	33
13	Fixed or variable demand? Does it matter when locating a facility?. Omega, 2012, 40, 9-20.	5.9	33
14	Approximating the Pareto-front of a planar bi-objective competitive facility location and design problem. Computers and Operations Research, 2015, 62, 337-349.	4.0	32
15	A two-level evolutionary algorithm for solving the facility location and design (1|1)-centroid problem on the plane with variable demand. Journal of Global Optimization, 2013, 56, 983-1005.	1.8	27
16	Recent insights in Huff-like competitive facility location and design. European Journal of Operational Research, 2013, 227, 581-584.	5.7	27
17	The probabilistic customerâ€™s choice rule with a threshold attraction value: Effect on the location of competitive facilities in the plane. Computers and Operations Research, 2019, 101, 234-249.	4.0	24
18	A robust and efficient algorithm for planar competitive location problems. Annals of Operations Research, 2009, 167, 87-105.	4.1	23

#	ARTICLE	IF	CITATIONS
19	A planar single-facility competitive location and design problem under the multi-deterministic choice rule. Computers and Operations Research, 2017, 78, 305-315.	4.0	23
20	Algorithms for the decomposition of a polygon into convex polygons. European Journal of Operational Research, 2000, 121, 330-342.	5.7	22
21	Using Interval Analysis for Solving Planar Single-Facility Location Problems: New Discarding Tests. Journal of Global Optimization, 2001, 19, 61-81.	1.8	22
22	Empirical convergence speed of inclusion functions for facility location problems. Journal of Computational and Applied Mathematics, 2007, 199, 384-389.	2.0	17
23	Parallel algorithms for continuous competitive location problems. Optimization Methods and Software, 2008, 23, 779-791.	2.4	16
24	Parallel algorithms for continuous multifacility competitive location problems. Journal of Global Optimization, 2011, 50, 557-573.	1.8	14
25	Sensitivity analysis of a continuous multifacility competitive location and design problem. Top, 2009, 17, 347-365.	1.6	12
26	On the impact of spatial pattern, aggregation, and model parameters in planar Huff-type competitive location and design problems. OR Spectrum, 2009, 31, 601-627.	3.4	10
27	An approach for solving competitive location problems with variable demand using multicore systems. Optimization Letters, 2014, 8, 555-567.	1.6	10
28	A practical algorithm for decomposing polygonal domains into convex polygons by diagonals. Top, 2008, 16, 367-387.	1.6	9
29	Solving a leaderâ€"follower facility problem via parallel evolutionary approaches. Journal of Supercomputing, 2014, 70, 600-611.	3.6	9
30	Parallelization of a non-linear multi-objective optimization algorithm: Application to a location problem. Applied Mathematics and Computation, 2015, 255, 114-124.	2.2	9
31	Solving the facility location and design (1âˆ£1)-centroid problem via parallel algorithms. Journal of Supercomputing, 2011, 58, 420-428.	3.6	8
32	A reference point-based evolutionary algorithm for approximating regions of interest in multiobjective problems. Top, 2020, 28, 402-423.	1.6	8
33	FEMOEA: a fast and efficient multi-objective evolutionary algorithm. Mathematical Methods of Operations Research, 2017, 85, 113-135.	1.0	7
34	DECOPOL â€" Codes for decomposing a polygon into convex subpolygons. European Journal of Operational Research, 1997, 102, 242-243.	5.7	5
35	The 1-center problem in the plane with independent random weights. Computers and Operations Research, 2008, 35, 737-749.	4.0	5
36	A Triobjective Model for Locating a Public Semiobnoxious Facility in the Plane. Mathematical Problems in Engineering, 2015, 2015, 1-12.	1.1	3

#	ARTICLE	IF	CITATIONS
37	Location of paths on trees with minimal eccentricity and superior section. Top, 1998, 6, 223-246.	1.6	2
38	Solving a Continuous (1 I 1)-Centroid Problem with Endogenous Demand: High Performance Approaches. , 2013, , .		1
39	Approximating the Pareto-front of Continuous Bi-objective Problems: Application to a Competitive Facility Location Problem. Advances in Intelligent Systems and Computing, 2012, , 207-216.	0.6	1
40	Huff-Like Stackelberg Location Problems on the Plane. Springer Optimization and Its Applications, 2017, , 129-169.	0.9	1
41	New Challenges in the Degree in Mathematics: Applications at Work. Procedia, Social and Behavioral Sciences, 2013, 83, 61-64.	0.5	0
42	Introducing Web 2.0 Tools for Teaching Linear Programming. Procedia, Social and Behavioral Sciences, 2015, 191, 1392-1396.	0.5	0
43	Competitive Location: New Models and Methods and Future Trends. International Journal of Economics and Statistics, 2022, 10, 95-102.	0.1	0