Juana LÃ³pez Redondo

List of Publications by Year
in descending order

43	657	566801 15	610482 24
papers	citations	h-index	g-index

47	47	47	514
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimizing building comfort temperature regulation via model predictive control. Energy and Buildings, 2013, 57, 361-372.	3.1	101
2	Review of software for optical analyzing and optimizing heliostat fields. Renewable and Sustainable Energy Reviews, 2017, 72, 1001-1018.	8.2	51
3	Solving the Multiple Competitive Facilities Location and Design Problem on the Plane. Evolutionary Computation, 2009, 17, 21-53.	2.3	44
4	Heuristics for the facility location and design (1|1)-centroid problem on the plane. Computational Optimization and Applications, 2010, 45, 111-141.	0.9	40
5	Fixed or variable demand? Does it matter when locating a facility?. Omega, 2012, 40, 9-20.	3.6	33
6	Approximating the Pareto-front of a planar bi-objective competitive facility location and design problem. Computers and Operations Research, 2015, 62, 337-349.	2.4	32
7	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.	1.1	27
8	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.	2.4	24
9	A robust and efficient algorithm for planar competitive location problems. Annals of Operations Research, 2009, 167, 87-105.	2.6	23
10	A planar single-facility competitive location and design problem under the multi-deterministic choice rule. Computers and Operations Research, 2017, 78, 305-315.	2.4	23
11	Two- and three-dimensional modeling and optimization applied to the design of a fast hydrodynamic focusing microfluidic mixer for protein folding. Physics of Fluids, 2013, 25, 032001.	1.6	21
12	A parallel Teachingâ€“Learning-Based Optimization procedure for automatic heliostat aiming. Journal of Supercomputing, 2017, 73, 591-606.	2.4	21
13	GASUB: finding global optima to discrete location problems by a genetic-like algorithm. Journal of Global Optimization, 2007, 38, 249-264.	1.1	18
14	Is high performance computing a requirement for novel drug discovery and how will this impact academic efforts?. Expert Opinion on Drug Discovery, 2020, 15, 981-985.	2.5	17
15	Parallel algorithms for continuous competitive location problems. Optimization Methods and Software, 2008, 23, 779-791.	1.6	16
16	High performance computing for the heliostat field layout evaluation. Journal of Supercomputing, 2017, 73, 259-276.	2.4	15
17	Parallel algorithms for continuous multifacility competitive location problems. Journal of Global Optimization, 2011, 50, 557-573.	1.1	14
18	Sensitivity analysis of a continuous multifacility competitive location and design problem. Top, 2009, 17, 347-365.	1.1	12

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19	Preference-based multi-objectivization applied to decision support for High-Pressure Thermal processes in food treatment. Applied Soft Computing Journal, 2019, 79, 326-340.	4.1	12
20	Design sensitivity and mixing uniformity of a micro-fluidic mixer. Physics of Fluids, 2016, 28, 012005.	1.6	11
21	An approach for solving competitive location problems with variable demand using multicore systems. Optimization Letters, 2014, 8, 555-567.	0.9	10
22	Solving a leaderâ€“follower facility problem via parallel evolutionary approaches. Journal of Supercomputing, 2014, 70, 600-611.	2.4	9
23	Parallelization of a non-linear multi-objective optimization algorithm: Application to a location problem. Applied Mathematics and Computation, 2015, 255, 114-124.	1.4	9
24	A population global optimization algorithm to solve the image alignment problem in electron crystallography. Journal of Global Optimization, 2007, 37, 527-539.	1.1	8
25	Solving the facility location and design (1âˆ£1)-centroid problem via parallel algorithms. Journal of Supercomputing, 2011, 58, 420-428.	2.4	8
26	An open-source tool for path synthesis of four-bar mechanisms. Mechanism and Machine Theory, 2022, 169, 104604.	2.7	8
27	A parallelized Lagrangean relaxation approach for the discrete ordered median problem. Annals of Operations Research, 2016, 246, 253-272.	2.6	7
28	FEMOEA: a fast and efficient multi-objective evolutionary algorithm. Mathematical Methods of Operations Research, 2017, 85, 113-135.	0.4	7
29	Parallel evolutionary algorithms based on shared memory programming approaches. Journal of Supercomputing, 2011, 58, 270-279.	2.4	5
30	Modelling and optimization applied to the design of fast hydrodynamic focusing microfluidic mixer for protein folding. Journal of Mathematics in Industry, 2018, 8, .	0.7	5
31	Finding multiple global optima for unconstrained discrete location problems. Optimization Methods and Software, 2011, 26, 207-224.	1.6	4
32	On heuristic bi-criterion methods for semi-obnoxious facility location. Computational Optimization and Applications, 2015, 61, 205-217.	0.9	4
33	A New Methodology for Building-Up a Robust Model for Heliostat Field Flux Characterization. Energies, 2017, 10, 730.	1.6	4
34	A Triobjective Model for Locating a Public Semiobnoxious Facility in the Plane. Mathematical Problems in Engineering, 2015, 2015, 1-12.	0.6	3
35	Optimizing Electrostatic Similarity for Virtual Screening: A New Methodology. Informatica, 2020, , 1-19.	1.5	3
36	A global optimization approach to image translational alignment in electron microscopy. , 0, , .		2

#	Article	IF	Citations
37	Solving a Continuous (1 I 1)-Centroid Problem with Endogenous Demand: High Performance Approaches. , 2013, , .		1
38	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.	0.5	1
39	Universal Global Optimization Algorithm on Shared Memory Multiprocessors. Lecture Notes in Computer Science, 2009, , 219-222.	1.0	1
40	Huff-Like Stackelberg Location Problems on the Plane. Springer Optimization and Its Applications, 2017, , 129-169.	0.6	1
41	Modeling and Optimization Applied to the Design of Fast Hydrodynamic Focusing Microfluidic Mixer for Protein Folding. Mathematics in Industry, 2017, , 649-655.	0.1	0
42	MultiPharm-DT: A Multi-Objective Decision Tool for Ligand-Based Virtual Screening Problems. Informatica, 2021, , 1-26.	1.5	0
43	Competitive Location: New Models and Methods and Future Trends. International Journal of Economics and Statistics, 2022, 10, 95-102.	0.1	0