Mariano Luque

List of Publications by Year
in descending order

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61	1,353	361388 20	361001 35
papers	citations	h-index	g-index

62	62	62	1081
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carrying capacity assessment for tourist destinations. Methodology for the creation of synthetic indicators applied in a coastal area. Tourism Management, 2012, 33, 1337-1346.	9.8	139
2	Incorporating preference information in interactive reference point methods for multiobjective optimization. Omega, 2009, 37, 450-462.	5.9	106
3	Evolutionary multi-objective optimization algorithms for fuzzy portfolio selection. Applied Soft Computing Journal, 2016, 39, 48-63.	7.2	101
4	A preference-based evolutionary algorithm for multiobjective optimization: the weighting achievement scalarizing function genetic algorithm. Journal of Global Optimization, 2015, 62, 101-129.	1.8	94
5	NAUTILUS method: An interactive technique in multiobjective optimization based on the nadir point. European Journal of Operational Research, 2010, 206, 426-434.	5.7	54
6	Global WASF-GA: An Evolutionary Algorithm in Multiobjective Optimization to Approximate the Whole Pareto Optimal Front. Evolutionary Computation, 2017, 25, 309-349.	3.0	52
7	Global formulation for interactive multiobjective optimization. OR Spectrum, 2011, 33, 27-48.	3.4	51
8	Optimization of the size of a solar thermal electricity plant by means of genetic algorithms. Renewable Energy, 2011, 36, 3146-3153.	8.9	48
9	Using interactive multiobjective methods to solve DEA problems with value judgements. Computers and Operations Research, 2009, 36, 623-636.	4.0	46
10	An application of reference point techniques to the calculation of synthetic sustainability indicators. Journal of the Operational Research Society, 2011, 62, 189-197.	3.4	46
11	A classification of the weighting schemes in reference point procedures for multiobjective programming. Journal of the Operational Research Society, 2009, 60, 544-553.	3.4	43
12	Assessing global competitiveness under multi-criteria perspective. Economic Modelling, 2016, 53, 398-408.	3.8	43
13	Modified interactive Chebyshev algorithm (MICA) for convex multiobjective programming. European Journal of Operational Research, 2010, 204, 557-564.	5.7	25
14	Improving the computational efficiency in a global formulation (GLIDE) for interactive multiobjective optimization. Annals of Operations Research, 2012, 197, 47-70.	4.1	23
15	E-NAUTILUS: A decision support system for complex multiobjective optimization problems based on the NAUTILUS method. European Journal of Operational Research, 2015, 246, 218-231.	5.7	22
16	InDM2: Interactive Dynamic Multi-Objective Decision Making Using Evolutionary Algorithms. Swarm and Evolutionary Computation, 2018, 40, 184-195.	8.1	22
17	PROMOIN: AN INTERACTIVE SYSTEM FOR MULTIOBJECTIVE PROGRAMMING. International Journal of Information Technology and Decision Making, 2002, 01, 635-656.	3.9	21
18	Equivalent Information for Multiobjective Interactive Procedures. Management Science, 2007, 53, 125-134.	4.1	21

#	Article	IF	Citations
19	A two-slope achievement scalarizing function for interactive multiobjective optimization. Computers and Operations Research, 2012, 39, 1673-1681.	4.0	21
20	An Interactive Evolutionary Multiobjective Optimization Method: Interactive WASF-GA. Lecture Notes in Computer Science, 2015, , 249-263.	1.3	21
21	PROJECT Method for Multiobjective Optimization Based on Gradient Projection and Reference Points. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 864-879.	2.9	20
22	Multiple objectives decompositionâ€“coordination methods for hierarchical organizations. European Journal of Operational Research, 2001, 133, 323-341.	5.7	19
23	Hierarchical generation of Pareto optimal solutions in large-scale multiobjective systems. Computers and Operations Research, 2002, 29, 1537-1558.	4.0	19
24	An additive achievement scalarizing function for multiobjective programming problems. European Journal of Operational Research, 2008, 188, 683-694.	5.7	18
25	An application of multiobjective programming to the study of workersâ€™ satisfaction in the Spanish labour market. European Journal of Operational Research, 2010, 203, 430-443.	5.7	17
26	A multiobjective interval programming model to explore the trade-offs among different aspects of job satisfaction under different scenarios. Socio-Economic Planning Sciences, 2019, 66, 35-46.	5.0	16
27	Portfolio selection in the Spanish stock market byÂinteractive multiobjective programming. Top, 2011, 19, 213-231.	1.6	15
28	Measuring Human Development: A Multi-criteria Approach. Social Indicators Research, 2016, 125, 713-733.	2.7	15
29	Navigation in multiobjective optimization methods. Journal of Multi-Criteria Decision Analysis, 2017, 24, 57-70.	1.9	15
30	Preference-based evolutionary multi-objective optimization for portfolio selection: a new credibilistic model under investor preferences. Journal of Global Optimization, 2020, 76, 295-315.	1.8	15
31	Adaptive Global WASF-GA to handle many-objective optimization problems. Swarm and Evolutionary Computation, 2020, 54, 100644.	8.1	15
32	INTEREST: a reference-point-based interactive procedure for stochastic multiobjective programming problems. OR Spectrum, 2010, 32, 195-210.	3.4	13
33	A combined interactive procedure using preference-based evolutionary multiobjective optimization. Application to the efficiency improvement of the auxiliary services of power plants. Expert Systems With Applications, 2015, 42, 7466-7482.	7.6	11
34	Equivalent reference points in multiobjective programming. Expert Systems With Applications, 2015, 42, 2205-2212.	7.6	11
35	A new preference handling technique for interactive multiobjective optimization without trading-off. Journal of Global Optimization, 2015, 63, 633-652.	1.8	10
36	Balancing Teachersâ€™ Math Satisfaction and Other Indicators of the Education Systemâ€™s Performance. Social Indicators Research, 2016, 129, 1319-1348.	2.7	10

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37	MOPEN: A computational package for Linear Multiobjective and Goal Programming problems. Decision Support Systems, 2005, 41, 160-175.	5.9	9
38	On the sizing of a solar thermal electricity plant for multiple objectives using evolutionary optimization. Applied Soft Computing Journal, 2012, 12, 3300-3311.	7.2	9
39	A multiobjective interactive approach to determine the optimal electricity mix in AndalucÃa (Spain). Top, 2014, 22, 109-127.	1.6	9
40	Measuring Child and Maternal Health in Developing Countries: A Proposal of New Hybrid MDG Composite Indices. Applied Research in Quality of Life, 2017, 12, 737-758.	2.4	9
41	On the use of the $$L_{p}$$ L p distance in reference point-based approaches for multiobjective optimization. Annals of Operations Research, 2015, 235, 559-579.	4.1	8
42	New conditions for testing necessarily/possibly efficiency of non-degenerate basic solutions based on the tolerance approach. European Journal of Operational Research, 2020, 283, 341-355.	5.7	8
43	On the potential balance among compulsory education outcomes through econometric and multiobjective programming analysis. European Journal of Operational Research, 2015, 241, 527-540.	5.7	7
44	Optimization of the sizing of a solar thermal electricity plant: Mathematical programming versus genetic algorithms. , 2009, , .		6
45	A DECOMPOSITION-COORDINATION METHOD FOR COMPLEX MULTI-OBJECTIVE SYSTEMS. Asia-Pacific Journal of Operational Research, 2009, 26, 735-757.	1.3	5
46	Coupling distinct MOLP interactive approaches with a novel DEA hybrid model. International Transactions in Operational Research, 2020, , .	2.7	5
47	Preference-based Evolutionary Multi-objective Optimization for Solving Fuzzy Portfolio Selection Problems. Rect@, 2017, 18, 1-15.	0.1	5
48	Modified interactive chebyshev algorithm (MICA) for non-convex multiobjective programming. Optimization Letters, 2015, 9, 173-187.	1.6	4
49	Reaching Compromises in Workersâ€™ Life Satisfaction: A Multiobjective Interval Programming Approach. Journal of Happiness Studies, 2021, 22, 207-239.	3.2	4
50	Evaluating the potential trade-off between studentsâ€™ satisfaction and school performance using evolutionary multiobjective optimization. RAIRO - Operations Research, 2021, 55, S1051-S1067.	1.8	4
51	The ideal use of the internet and academic success: Finding a balance between competences and knowledge using interval multiobjective programming. Socio-Economic Planning Sciences, 2022, 81, 101208.	5.0	4
52	IRA-EMO: Interactive Method Using Reservation and Aspiration Levels for Evolutionary Multiobjective Optimization. Lecture Notes in Computer Science, 2019, , 618-630.	1.3	3
53	Evaluating the global efficiency of teachers through a multi-criteria approach. Socio-Economic Planning Sciences, 2020, 70, 100676.	5.0	3
54	A novel approach for exploring the tradeâ€offs between several features of studentsâ€™ wellâ€being. International Transactions in Operational Research, 2022, 29, 1723-1748.	2.7	3

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55	Analysis of the Well-Being Levels of Students in Spain and Finland through Interval Multiobjective Linear Programming. Mathematics, 2021, 9, 1628.	2.2	3
56	A synchronous reference point-based interactive method for stochastic multiobjective programming. OR Spectrum, 2012, 34, 763-784.	3.4	2
57	An Improvement Study of the Decomposition-Based Algorithm Global WASF-GA for Evolutionary Multiobjective Optimization. Lecture Notes in Computer Science, 2018, , 219-229.	1.3	2
58	Preference-Based Evolutionary Multiobjective Optimization Through the Use of Reservation and Aspiration Points. IEEE Access, 2021, 9, 108861-108872.	4.2	2
59	On the Use of Preferential Weights in Interactive Reference Point Based Methods. Lecture Notes in Economics and Mathematical Systems, 2009, , 211-220.	0.3	1
60	On the use of Synthetic Indexes Based on Multi-Criteria Decision Making to Study the Efficiency of Teachers. Social Indicators Research, 0, , .	2.7	0
61	Towards a framework to combine multiobjective optimization and econometrics and an application in economics of education. RAIRO - Operations Research, 0, , .	1.8	0