

Rafael Enrique Caballero Fernández

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/314565/publications.pdf>

Version: 2024-02-01

79
papers

3,021
citations

172207

29
h-index

174990

52
g-index

79
all docs

79
docs citations

79
times ranked

2825
citing authors

#	ARTICLE	IF	CITATIONS
1	Using multiobjective optimization models to establish healthy diets in Spain following Mediterranean standards. <i>Operational Research</i> , 2021, 21, 1927-1961.	1.3	4
2	Eco-efficiency assessment of municipal solid waste services: Influence of exogenous variables. <i>Waste Management</i> , 2021, 130, 136-146.	3.7	23
3	A Multiobjective Model for Analysis of the Relationships between Military Expenditures, Security, and Human Development in NATO Countries. <i>Mathematics</i> , 2021, 9, 23.	1.1	3
4	A bi-objective solution approach to a real-world waste collection problem. <i>Journal of the Operational Research Society</i> , 2020, 71, 183-194.	2.1	12
5	Iterated greedy with variable neighborhood search for a multiobjective waste collection problem. <i>Expert Systems With Applications</i> , 2020, 145, 113101.	4.4	29
6	Evaluating the Eco-Efficiency of Wastewater Treatment Plants: Comparison of Optimistic and Pessimistic Approaches. <i>Sustainability</i> , 2020, 12, 10580.	1.6	9
7	Sustainable tourism tags to reward destination management. <i>Journal of Environmental Management</i> , 2019, 250, 109458.	3.8	30
8	Measuring the wastewater treatment plants productivity change: Comparison of the Luenberger and Luenberger-Hicks-Moorsteen Productivity Indicators. <i>Journal of Cleaner Production</i> , 2019, 229, 75-83.	4.6	13
9	Multicriteria optimization approach to deploy humanitarian logistic operations integrally during floods. <i>International Transactions in Operational Research</i> , 2018, 25, 1053-1079.	1.8	22
10	Project portfolio selection and planning with fuzzy constraints. <i>Technological Forecasting and Social Change</i> , 2018, 131, 117-129.	6.2	63
11	Research and development project portfolio selection under uncertainty. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 857-866.	3.3	10
12	A dynamic sustainable tourism evaluation using multiple benchmarks. <i>Journal of Cleaner Production</i> , 2018, 174, 1190-1203.	4.6	42
13	Assessing changes in eco-productivity of wastewater treatment plants: The role of costs, pollutant removal efficiency, and greenhouse gas emissions. <i>Environmental Impact Assessment Review</i> , 2018, 69, 24-31.	4.4	46
14	The urban transport planning with uncertainty in demand and travel time: a comparison of two defuzzification methods. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 843-856.	3.3	27
15	Dynamic goal programming synthetic indicator: an application for water companies sustainability assessment. <i>Urban Water Journal</i> , 2018, 15, 592-600.	1.0	9
16	Measuring the eco-efficiency of wastewater treatment plants under data uncertainty. <i>Journal of Environmental Management</i> , 2018, 226, 484-492.	3.8	43
17	The multimodal and multiperiod urban transportation integrated timetable construction problem with demand uncertainty. <i>Journal of Industrial and Management Optimization</i> , 2018, 14, 447-472.	0.8	5
18	Measuring the sustainability of Cuban tourism destinations considering stakeholders' perceptions. <i>International Journal of Tourism Research</i> , 2017, 19, 318-328.	2.1	33

#	ARTICLE	IF	CITATIONS
19	Assessing the quality of service to customers provided by water utilities: A synthetic index approach. <i>Ecological Indicators</i> , 2017, 78, 214-220.	2.6	15
20	Assessing the efficiency of wastewater treatment plants: A double-bootstrap approach. <i>Journal of Cleaner Production</i> , 2017, 164, 315-324.	4.6	48
21	Sustainable tourism composite indicators: a dynamic evaluation to manage changes in sustainability. <i>Journal of Sustainable Tourism</i> , 2016, 24, 1403-1424.	5.7	59
22	Eco-efficiency assessment of wastewater treatment plants using a weighted Russell directional distance model. <i>Journal of Cleaner Production</i> , 2016, 137, 1066-1075.	4.6	51
23	Multiple criteria decision making and economics: an introduction. <i>Annals of Operations Research</i> , 2016, 245, 1-5.	2.6	10
24	Sustainability Ranking for Cuban Tourist Destinations Based on Composite Indexes. <i>Social Indicators Research</i> , 2016, 129, 425-444.	1.4	13
25	Assessing the sustainability of water companies: A synthetic indicator approach. <i>Ecological Indicators</i> , 2016, 61, 577-587.	2.6	51
26	Assessment of wastewater treatment alternatives for small communities: An analytic network process approach. <i>Science of the Total Environment</i> , 2015, 532, 676-687.	3.9	101
27	Cross entropy for multiobjective combinatorial optimization problems with linear relaxations. <i>European Journal of Operational Research</i> , 2015, 243, 362-368.	3.5	7
28	Solving a bi-objective Transportation Location Routing Problem by metaheuristic algorithms. <i>European Journal of Operational Research</i> , 2014, 234, 25-36.	3.5	96
29	Efficiency in forest management: A multiobjective harvest scheduling model. <i>Journal of Forest Economics</i> , 2014, 20, 236-251.	0.1	14
30	Assessing the sustainability of small wastewater treatment systems: A composite indicator approach. <i>Science of the Total Environment</i> , 2014, 497-498, 607-617.	3.9	139
31	A multi-start algorithm for a balanced real-world Open Vehicle Routing Problem. <i>European Journal of Operational Research</i> , 2014, 238, 104-113.	3.5	41
32	Bi-Objective Bus Routing: An Application to School Buses in Rural Areas. <i>Transportation Science</i> , 2013, 47, 397-411.	2.6	56
33	Composite indicator for the assessment of sustainability: The case of Cuban nature-based tourism destinations. <i>Ecological Indicators</i> , 2013, 29, 316-324.	2.6	101
34	Interactive design of personalised tourism routes. <i>Tourism Management</i> , 2012, 33, 926-940.	5.8	89
35	Sustainable tourism indicators as planning tools in cultural destinations. <i>Ecological Indicators</i> , 2012, 18, 659-675.	2.6	183
36	A Declarative Embedding of XQuery in a Functional-Logic Language. <i>Lecture Notes in Computer Science</i> , 2012, , 42-56.	1.0	0

#	ARTICLE	IF	CITATIONS
37	How to use sustainability indicators for tourism planning: The case of rural tourism in Andalusia (Spain). <i>Science of the Total Environment</i> , 2011, 412-413, 28-45.	3.9	131
38	A multiobjective model for forest planning with adjacency constraints. <i>Annals of Operations Research</i> , 2011, 190, 75-92.	2.6	14
39	Improving the efficiency of μ -dominance based grids. <i>Information Sciences</i> , 2011, 181, 3101-3129.	4.0	8
40	Scatter tabu search for multiobjective clustering problems. <i>Journal of the Operational Research Society</i> , 2011, 62, 2034-2046.	2.1	17
41	XQuery in the Functional-Logic Language Toy. <i>Lecture Notes in Computer Science</i> , 2011, , 35-51.	1.0	2
42	Integrating XPath with the Functional-Logic Language Toy. <i>Lecture Notes in Computer Science</i> , 2011, , 145-159.	1.0	4
43	Goal programming synthetic indicators: An application for sustainable tourism in Andalusian coastal counties. <i>Ecological Economics</i> , 2010, 69, 2158-2172.	2.9	95
44	DEMORS: A hybrid multi-objective optimization algorithm using differential evolution and rough set theory for constrained problems. <i>Computers and Operations Research</i> , 2010, 37, 470-480.	2.4	60
45	Solving a comprehensive model for multiobjective project portfolio selection. <i>Computers and Operations Research</i> , 2010, 37, 630-639.	2.4	144
46	The challenge of optimizing expensive black boxes: a scatter search/rough set theory approach. <i>Journal of the Operational Research Society</i> , 2010, 61, 53-67.	2.1	12
47	Planning federal public investment in Mexico using multiobjective decision making. <i>Journal of the Operational Research Society</i> , 2010, 61, 1328-1339.	2.1	5
48	Using a Gradient Based Method to Seed an EMO Algorithm. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2010, , 327-337.	0.3	0
49	A DECOMPOSITION-COORDINATION METHOD FOR COMPLEX MULTI-OBJECTIVE SYSTEMS. <i>Asia-Pacific Journal of Operational Research</i> , 2009, 26, 735-757.	0.9	5
50	Goal Programming: realistic targets for the near future. <i>Journal of Multi-Criteria Decision Analysis</i> , 2009, 16, 79-110.	1.0	35
51	g-dominance: Reference point based dominance for multiobjective metaheuristics. <i>European Journal of Operational Research</i> , 2009, 197, 685-692.	3.5	234
52	Using box indices in supporting comparison in multiobjective optimization. <i>European Journal of Operational Research</i> , 2009, 197, 17-24.	3.5	12
53	Sawing planning using a multicriteria approach. <i>Journal of Industrial and Management Optimization</i> , 2009, 5, 303-317.	0.8	7
54	Seeding the initial population of a multi-objective evolutionary algorithm using gradient-based information. , 2008, , .		26

#	ARTICLE	IF	CITATIONS
55	On the Use of Projected Gradients for Constrained Multiobjective Optimization Problems. Lecture Notes in Computer Science, 2008, , 712-721.	1.0	4
56	Rough Sets Theory for Multi-Objective Optimization Problems. Studies in Computational Intelligence, 2008, , 81-98.	0.7	3
57	Alternative techniques to solve hard multi-objective optimization problems. , 2007, , .		8
58	SSPMO: A Scatter Tabu Search Procedure for Non-Linear Multiobjective Optimization. INFORMS Journal on Computing, 2007, 19, 91-100.	1.0	74
59	Equivalent Information for Multiobjective Interactive Procedures. Management Science, 2007, 53, 125-134.	2.4	21
60	Solving a multiobjective location routing problem with a metaheuristic based on tabu search. Application to a real case in Andalusia. European Journal of Operational Research, 2007, 177, 1751-1763.	3.5	133
61	A forest planning problem solved via a linear fractional goal programming model. Forest Ecology and Management, 2006, 227, 79-88.	1.4	54
62	A new proposal for multi-objective optimization using differential evolution and rough sets theory. , 2006, , .		31
63	Restoration of efficiency in a goal programming problem with linear fractional criteria. European Journal of Operational Research, 2006, 172, 31-39.	3.5	20
64	Interactive meta-goal programming. European Journal of Operational Research, 2006, 175, 135-154.	3.5	27
65	MOPEN: A computational package for Linear Multiobjective and Goal Programming problems. Decision Support Systems, 2005, 41, 160-175.	3.5	9
66	Stochastic approach versus multiobjective approach for obtaining efficient solutions in stochastic multiobjective programming problems. European Journal of Operational Research, 2004, 158, 633-648.	3.5	56
67	The controlled estimation method in the multiobjective linear fractional problem. Computers and Operations Research, 2004, 31, 1821-1832.	2.4	15
68	Budgetary allocations and efficiency in the human resources policy of a university following multiple criteria. Economics of Education Review, 2004, 23, 67-74.	0.7	31
69	Analysis via goal programming of the minimum achievable stay in surgical waiting lists. Journal of the Operational Research Society, 2002, 53, 387-396.	2.1	25
70	Analysis and comparisons of some solution concepts for stochastic programming problems. Top, 2002, 10, 101-123.	1.1	6
71	Meta-goal programming. European Journal of Operational Research, 2002, 136, 422-429.	3.5	60
72	Hierarchical generation of Pareto optimal solutions in large-scale multiobjective systems. Computers and Operations Research, 2002, 29, 1537-1558.	2.4	19

#	ARTICLE	IF	CITATIONS
73	Efficient assignment of financial resources within a university system. Study of the University of Malaga. European Journal of Operational Research, 2001, 133, 298-309.	3.5	16
74	Efficient Solution Concepts and Their Relations in Stochastic Multiobjective Programming. Journal of Optimization Theory and Applications, 2001, 110, 53-74.	0.8	66
75	Portfolio Selection Via Goal Programming. Contributions To Management Science, 2000, , 79-92.	0.4	0
76	A Functional-Logic Perspective of Parsing. Lecture Notes in Computer Science, 1999, , 85-99.	1.0	11
77	Goal programming with dynamic goals. Journal of Multi-Criteria Decision Analysis, 1998, 7, 217-229.	1.0	8
78	Lexicographic improvement of the target values in convex goal programming. European Journal of Operational Research, 1998, 107, 644-655.	3.5	15
79	A metaheuristic procedure for multiobjective location routing. , 0, , .		1