

# Dolores Romero-Morales

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48  
papers

687  
citations

14  
h-index

24  
g-index

50  
ext. papers

817  
ext. citations

3.6  
avg, IF

4.43  
L-index

#	Paper	IF	Citations
48	On sparse optimal regression trees. <i>European Journal of Operational Research</i> , <b>2022</b> , 299, 1045-1054	5.6	0
47	The tree based linear regression model for hierarchical categorical variables. <i>Expert Systems With Applications</i> , <b>2022</b> , 203, 117423	7.8	0
46	On sparse ensemble methods: An application to short-term predictions of the evolution of COVID-19. <i>European Journal of Operational Research</i> , <b>2021</b> ,	5.6	3
45	Mathematical optimization in classification and regression trees. <i>Top</i> , <b>2021</b> , 29, 5-33	1.3	16
44	Optimal randomized classification trees. <i>Computers and Operations Research</i> , <b>2021</b> , 132, 105281	4.6	9
43	Interpreting clusters via prototype optimization. <i>Omega</i> , <b>2021</b> , 107, 102543	7.2	1
42	On clustering categories of categorical predictors in generalized linear models. <i>Expert Systems With Applications</i> , <b>2021</b> , 182, 115245	7.8	2
41	Enhancing Interpretability in Factor Analysis by Means of Mathematical Optimization. <i>Multivariate Behavioral Research</i> , <b>2020</b> , 55, 748-762	2.3	2
40	Sparsity in optimal randomized classification trees. <i>European Journal of Operational Research</i> , <b>2020</b> , 284, 255-272	5.6	12
39	Feature Selection in Data Envelopment Analysis: A Mathematical Optimization approach. <i>Omega</i> , <b>2020</b> , 96, 102068	7.2	6
38	Visualization of complex dynamic datasets by means of mathematical optimization. <i>Omega</i> , <b>2019</b> , 86, 125-136	7.2	2
37	Visualizing data as objects by DC (difference of convex) optimization. <i>Mathematical Programming</i> , <b>2018</b> , 169, 119-140	2.1	11
36	On the time-consistent stochastic dominance risk averse measure for tactical supply chain planning under uncertainty. <i>Computers and Operations Research</i> , <b>2018</b> , 100, 270-286	4.6	13
35	On Mathematical Optimization for the visualization of frequencies and adjacencies as rectangular maps. <i>European Journal of Operational Research</i> , <b>2018</b> , 265, 290-302	5.6	6
34	On Building Online Visualization Maps for News Data Streams by Means of Mathematical Optimization. <i>Big Data</i> , <b>2018</b> , 6, 139-158	3.1	4
33	Clustering categories in support vector machines. <i>Omega</i> , <b>2017</b> , 66, 28-37	7.2	15
32	Visualizing proportions and dissimilarities by Space-filling maps: A Large Neighborhood Search approach. <i>Computers and Operations Research</i> , <b>2017</b> , 78, 369-380	4.6	9

31	Strongly agree or strongly disagree?: Rating features in Support Vector Machines. <i>Information Sciences</i> , <b>2016</b> , 329, 256-273	7.7	14
30	An SDP approach for multiperiod mixed 0-1 linear programming models with stochastic dominance constraints for risk management. <i>Computers and Operations Research</i> , <b>2015</b> , 58, 32-40	4.6	14
29	A nested heuristic for parameter tuning in Support Vector Machines. <i>Computers and Operations Research</i> , <b>2014</b> , 43, 328-334	4.6	22
28	Computational complexity of finding Pareto efficient outcomes for biobjective lot-sizing models. <i>Naval Research Logistics</i> , <b>2014</b> , 61, 386-402	1.5	5
27	Revenue deficiency under second-price auctions in a supply-chain setting. <i>European Journal of Operational Research</i> , <b>2014</b> , 233, 131-144	5.6	6
26	Heuristic approaches for support vector machines with the ramp loss. <i>Optimization Letters</i> , <b>2014</b> , 8, 1125-1135	5.1	5
25	Supervised classification and mathematical optimization. <i>Computers and Operations Research</i> , <b>2013</b> , 40, 150-165	4.6	82
24	Expected Future Value Decomposition Based Bid Price Generation for Large-Scale Network Revenue Management. <i>Transportation Science</i> , <b>2013</b> , 47, 181-197	4.4	11
23	Detecting relevant variables and interactions in supervised classification. <i>European Journal of Operational Research</i> , <b>2011</b> , 213, 260-269	5.6	26
22	Binarized Support Vector Machines. <i>INFORMS Journal on Computing</i> , <b>2010</b> , 22, 154-167	2.4	27
21	Forecasting cancellation rates for services booking revenue management using data mining. <i>European Journal of Operational Research</i> , <b>2010</b> , 202, 554-562	5.6	47
20	Existence of equilibria in a decentralized two-level supply chain. <i>European Journal of Operational Research</i> , <b>2009</b> , 197, 642-658	5.6	2
19	Multi-group support vector machines with measurement costs: A biobjective approach. <i>Discrete Applied Mathematics</i> , <b>2008</b> , 156, 950-966	1	16
18	Note on the applicability of the VCG mechanism to capacitated assignment problems and extensions. <i>Statistica Neerlandica</i> , <b>2007</b> , 61, 156-171	0.9	
17	A biobjective method for sample allocation in stratified sampling. <i>European Journal of Operational Research</i> , <b>2007</b> , 177, 1074-1089	5.6	4
16	A Heuristic Approach to the Multi-Period Single-Sourcing Problem with Production and Inventory Capacities and Perishability Constraints. <i>INFORMS Journal on Computing</i> , <b>2007</b> , 19, 14-26	2.4	28
15	On the Selection of the Globally Optimal Prototype Subset for Nearest-Neighbor Classification. <i>INFORMS Journal on Computing</i> , <b>2007</b> , 19, 470-479	2.4	9
14	On solving the multi-period single-sourcing problem under uncertainty. <i>Computational Management Science</i> , <b>2006</b> , 3, 29-53	1	10

13	D. Romero Morales. <i>Top</i> , <b>2005</b> , 13, 67-69	1.3	
12	Integrated Lot Sizing in Serial Supply Chains with Production Capacities. <i>Management Science</i> , <b>2005</b> , 51, 1706-1719	3.9	62
11	Asymptotic Analysis of a Greedy Heuristic for the Multi-Period Single-Sourcing Problem: The Acyclic Case. <i>Journal of Heuristics</i> , <b>2004</b> , 10, 5-35	1.9	8
10	The Generalized Assignment Problem and Extensions <b>2004</b> , 259-311		5
9	A Branch-and-Price Algorithm for the Multiperiod Single-Sourcing Problem. <i>Operations Research</i> , <b>2003</b> , 51, 922-939	2.3	35
8	An asymptotically optimal greedy heuristic for the multiperiod single-sourcing problem: The cyclic case. <i>Naval Research Logistics</i> , <b>2003</b> , 50, 412-437	1.5	11
7	Generating Experimental Data for the Generalized Assignment Problem. <i>Operations Research</i> , <b>2001</b> , 49, 866-878	2.3	11
6	A probabilistic analysis of the multi-period single-sourcing problem. <i>Discrete Applied Mathematics</i> , <b>2001</b> , 112, 301-328	1	14
5	Combining Minsum And Minmax: A Goal Programming Approach. <i>Operations Research</i> , <b>2001</b> , 49, 169-174	2.3	12
4	A class of greedy algorithms for the generalized assignment problem. <i>Discrete Applied Mathematics</i> , <b>2000</b> , 103, 209-235	1	53
3	Logistics Network Design Evaluation in a Dynamic Environment. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>1999</b> , 113-135	0.4	2
2	Location of a Semiobnoxious Facility. A Biobjective Approach. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>1997</b> , 338-346	0.4	4
1	Semi-obnoxious location models: A global optimization approach. <i>European Journal of Operational Research</i> , <b>1997</b> , 102, 295-301	5.6	31