

# George Mavrotas

## List of Publications by Year in descending order

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34  
papers

2,943  
citations

346980

22  
h-index

466096

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

3046  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining multiple criteria analysis, mathematical programming and Monte Carlo simulation to tackle uncertainty in Research and Development project portfolio selection: A case study from Greece. <i>European Journal of Operational Research</i> , 2021, 291, 794-806.	3.5	40
2	Data for absorption, evaluation and effectiveness of R&D projects in Greece. <i>Data in Brief</i> , 2021, 37, 107273.	0.5	0
3	Multiobjective portfolio optimization: bridging mathematical theory with asset management practice. <i>Annals of Operations Research</i> , 2018, 267, 585-606.	2.6	4
4	Environmental corporate responsibility for investments evaluation: an alternative multi-objective programming model. <i>Annals of Operations Research</i> , 2016, 247, 395-413.	2.6	15
5	Municipal solid waste management and energy production: Consideration of external cost through multi-objective optimization and its effect on waste-to-energy solutions. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 1205-1222.	8.2	63
6	An improved version of a core based algorithm for the multi-objective multi-dimensional knapsack problem: A computational study and comparison with meta-heuristics. <i>Applied Mathematics and Computation</i> , 2015, 270, 25-43.	1.4	11
7	Robustness analysis methodology for multi-objective combinatorial optimization problems and application to project selection. <i>Omega</i> , 2015, 52, 142-155.	3.6	39
8	Robustness analysis in Multi-Objective Mathematical Programming using Monte Carlo simulation. <i>European Journal of Operational Research</i> , 2015, 240, 193-201.	3.5	27
9	Multiobjective portfolio optimization with non-convex policy constraints: Evidence from the Eurostoxx 50. <i>European Journal of Finance</i> , 2014, 20, 957-977.	1.7	23
10	Comparative issues between linear and non-linear risk measures for non-convex portfolio optimization: evidence from the S&P 500. <i>Quantitative Finance</i> , 2014, 14, 1229-1242.	0.9	4
11	Generation of the exact Pareto set in Multi-Objective Traveling Salesman and Set Covering Problems. <i>Applied Mathematics and Computation</i> , 2014, 237, 1-19.	1.4	40
12	A multi-objective programming model for assessment the GHG emissions in MSW management. <i>Waste Management</i> , 2013, 33, 1934-1949.	3.7	35
13	An improved version of the augmented $\hat{\mu}$ -constraint method (AUGMECON2) for finding the exact pareto set in multi-objective integer programming problems. <i>Applied Mathematics and Computation</i> , 2013, 219, 9652-9669.	1.4	358
14	The trichotomic approach for dealing with uncertainty in project portfolio selection: combining MCDA, mathematical programming and Monte Carlo simulation. <i>International Journal of Multicriteria Decision Making</i> , 2013, 3, 79.	0.1	15
15	Combining Mathematical Programming and Monte Carlo Simulation to Deal with Uncertainty in Energy Project Portfolio Selection. <i>Green Energy and Technology</i> , 2013, , 333-356.	0.4	9
16	Portfolio Optimization. <i>Springer Optimization and Its Applications</i> , 2012, , 57-83.	0.6	0
17	Using the idea of expanded core for the exact solution of bi-objective multi-dimensional knapsack problems. <i>Journal of Global Optimization</i> , 2011, 49, 589-606.	1.1	11
18	IPSSIS: An integrated multicriteria decision support system for equity portfolio construction and selection. <i>European Journal of Operational Research</i> , 2011, 210, 398-409.	3.5	65

#	ARTICLE	IF	CITATIONS
19	Equity portfolio construction and selection using multiobjective mathematical programming. Journal of Global Optimization, 2010, 47, 185-209.	1.1	31
20	Energy planning of a hospital using Mathematical Programming and Monte Carlo simulation for dealing with uncertainty in the economic parameters. Energy Conversion and Management, 2010, 51, 722-731.	4.4	72
21	Solving multiobjective, multiconstraint knapsack problems using mathematical programming and evolutionary algorithms. European Journal of Operational Research, 2010, 203, 14-21.	3.5	44
22	Portfolio construction on the Athens Stock Exchange: a multiobjective optimization approach. Optimization, 2010, 59, 1211-1229.	1.0	27
23	A multicriteria methodology for equity selection using financial analysis. Computers and Operations Research, 2009, 36, 3187-3203.	2.4	77
24	Effective implementation of the $\hat{\mu}$ -constraint method in Multi-Objective Mathematical Programming problems. Applied Mathematics and Computation, 2009, 213, 455-465.	1.4	1,420
25	Solving the bi-objective multi-dimensional knapsack problem exploiting the concept of core. Applied Mathematics and Computation, 2009, 215, 2502-2514.	1.4	21
26	Selection among ranked projects under segmentation, policy and logical constraints. European Journal of Operational Research, 2008, 187, 177-192.	3.5	79
27	A mathematical programming framework for energy planning in servicesâ€™ sector buildings under uncertainty in load demand: The case of a hospital in Athens. Energy Policy, 2008, 36, 2415-2429.	4.2	104
28	Freight village design using the multicriteria method PROMETHEE. Operational Research, 2007, 7, 213-231.	1.3	27
29	Project prioritization under policy restrictions. A combination of MCDA with 0-1 programming. European Journal of Operational Research, 2006, 171, 296-308.	3.5	87
30	Multicriteria decision analysis with minimum information: combining DEA with MAVT. Computers and Operations Research, 2006, 33, 2083-2098.	2.4	36
31	A Combined MOIPâ€™MCDA Approach to Building and Screening Atmospheric Pollution Control Strategies in Urban Regions. Environmental Management, 2006, 38, 149-160.	1.2	18
32	Energy planning in buildings under uncertainty in fuel costs: The case of a hospital in Greece. Computer Aided Chemical Engineering, 2006, 21, 1735-1740.	0.3	6
33	Multi-criteria branch and bound: A vector maximization algorithm for Mixed 0-1 Multiple Objective Linear Programming. Applied Mathematics and Computation, 2005, 171, 53-71.	1.4	70
34	Energy planning in buildings under uncertainty in fuel costs: The case of a hotel unit in Greece. Energy Conversion and Management, 2003, 44, 1303-1321.	4.4	65