Frederic H Murphy

List of Publications by Year
in descending order

		516710	330143
55 papers	1,488 citations	16 h-index	37 g-index
57 all docs	57 docs citations	57 times ranked	688 citing authors

#	Article	IF	Citations
1	Generation Capacity Expansion in Imperfectly Competitive Restructured Electricity Markets. Operations Research, 2005, 53, 646-661.	1.9	284
2	Stackelberg-Nash-Cournot Equilibria: Characterizations and Computations. Operations Research, 1983, 31, 253-276.	1.9	202
3	A mathematical programming approach for determining oligopolistic market equilibrium. Mathematical Programming, 1982, 24, 92-106.	2.4	189
4	An intelligent system for formulating linear programs. Decision Support Systems, 1986, 2, 39-47.	5.9	126
5	A graphics interface for linear programming. Communications of the ACM, 1989, 32, 996-1012.	4.5	64
6	Computing Market Equilibria with Price Regulations Using Mathematical Programming. Operations Research, 1985, 33, 935-954.	1.9	49
7	Approaches to Diagnosing Infeasible Linear Programs. ORSA Journal on Computing, 1991, 3, 253-261.	1.7	41
8	Modeling and Forecasting Energy Markets with the Intermediate Future Forecasting System. Operations Research, 1988, 36, 406-420.	1.9	40
9	Representation Schemes for Linear Programming Models. Management Science, 1992, 38, 964-991.	4.1	32
10	Views of mathematical programming models and their instances. Decision Support Systems, 1995, 13, 3-34.	5.9	30
11	Linear programming based analysis of marginal cost pricing in electric utility capacity expansion. European Journal of Operational Research, 1982, 11, 349-360.	5.7	29
12	A comparison of mathematical programming modeling systems. Annals of Operations Research, 1992, 38, 177-238.	4.1	29
13	â€œAsian premiumâ€•or â€œNorth Atlantic discountâ€¡ Does geographical diversification in oil trade always impose costs?. Energy Economics, 2017, 66, 411-420.	12.1	28
14	A Decomposition Approach for a Class of Economic Equilibrium Models. Operations Research, 1998, 46, 368-377.	1.9	24
15	Modeling Natural Gas Regulatory Proposals Using the Project Independence Evaluation System. Operations Research, 1981, 29, 876-902.	1.9	20
16	Learning to Collude Tacitly on Production Levels by Oligopolistic Agents. Computational Economics, 2009, 33, 47-78.	2.6	20
17	The Evolution of Energy Modeling at the Federal Energy Administration and the Energy Information Administration. Interfaces, 1995, 25, 173-193.	1.5	18
18	Economics and Operations Research. , 2013, , 466-476.		18

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19	An approach to modeling electric utility capacity expansion planning. Naval Research Logistics, 1990, 37, 827-845.	2.2	16
20	Modeling Crude Oil Lightering in Delaware Bay. Interfaces, 1996, 26, 68-78.	1.5	16
21	Making Large-Scale Models Manageable: Modeling from an Operations Management Perspective. Operations Research, 1993, 41, 241-252.	1.9	15
22	ASP, The Art and Science of Practice: Elements of a Theory of the Practice of Operations Research: A Framework. Interfaces, 2005, 35, 154-163.	1.5	15
23	ASP, The Art and Science of Practice: Elements of a Theory of the Practice of Operations Research: Expertise in Practice. Interfaces, 2005, 35, 313-322.	1.5	13
24	Representing knowledge about linear programming formulation. Annals of Operations Research, 1989, 21, 149-172.	4.1	12
25	An Implementation of LPFORM. INFORMS Journal on Computing, 1996, 8, 383-401.	1.7	12
26	OR PRACTICEâ€"An Economic Equilibrium Model of the Market for Marine Transportation Services in Petroleum Products. Operations Research, 2008, 56, 278-285.	1.9	12
27	The Philadelphia Districting Contest: Designing Territories for City Council Based Upon the 2010 Census. Interfaces, 2013, 43, 477-489.	1.5	12
28	Using Analogical Reasoning and Schema Formation to Improve the Success in Formulating Linear Programming Models. Operations Research, 1999, 47, 663-674.	1.9	11
29	Strategic bidding of offer curves: An agent-based approach to exploring supply curve equilibria. European Journal of Operational Research, 2013, 229, 165-178.	5.7	11
30	The Occasional Observer www.uspto.gov, A New Source for What Is Happening in Operations Research Practice. Interfaces, 2002, 32, 26-29.	1.5	10
31	Modeling the Impacts of the 1990 Clean Air Act Amendments. Interfaces, 1998, 28, 1-15.	1.5	9
32	Using interactive evolutionary computation (IEC) with validated surrogate fitness functions for redistricting. , 2012, , .		9
33	On Empirical Validation of Compactness Measures for Electoral Redistricting and Its Significance for Application of Models in the Social Sciences. Social Science Computer Review, 2014, 32, 534-543.	4.2	9
34	A network reformulation of an electric utility expansion planning model. Naval Research Logistics, 1993, 40, 451-457.	2.2	6
35	Designing safety space in a supply chain to handle system-wide disruptions. Naval Research Logistics, 2007, 54, 258-264.	2.2	6
36	Policy Analysis in a Political Environment. Interfaces, 1991, 21, 87-91.	1.5	5

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37	Developing Strategies for Maritrans' Business Units. Interfaces, 2004, 34, 149-161.	1.5	5
38	ASP, The Art and Science of Practice: Elements of a Theory of the Practice of Operations Research: Practice as a Business. Interfaces, 2005, 35, 524-530.	1.5	5
39	A Methodology for Improving the Investment Portfolio Management Process for the Homeland Security Department using Quality Function Deployment. Public Budgeting and Finance, 2010, 30, 1-27.	1.0	5
40	Editorial: A Retrospective from the Editors-in-Chief on the History of <i>Interfaces/INFORMS Journal on Applied Analytics</i>. Interfaces, 2020, 50, 345-354.	1.5	5
41	A Knowledgebase for Formulating Linear Programs. , 1988, , 451-470.		4
42	Rebuilding the Coal Model in the Energy Information Administration's National Energy Modeling System. Interfaces, 2001, 31, 24-42.	1.5	3
43	Mathematical Analysis of the Interactions Between Oligopolistic Firms and a Competitive Fringe. American Journal of Mathematical and Management Sciences, 1987, 7, 149-174.	0.9	2
44	Editorial: There Is No Such Thing as Data, There Are Only Model Outputs. Interfaces, 1993, 23, 40-42.	1.5	2
45	Editorial: The First MS/OR Practitioner: Niccolò Machiavelli. Interfaces, 1993, 23, 49-50.	1.5	2
46	Editorial: Zeno Was Right. Interfaces, 1994, 24, 122-125.	1.5	2
47	A Study of the Philadelphia Knowledge Economy. Interfaces, 2005, 35, 248-259.	1.5	2
48	Qualitative Implications of Uncertainty in Economic Equilibrium Models. The IMA Volumes in Mathematics and Its Applications, 2002, , 135-151.	0.5	2
49	On the convergence of the decoupling algorithm for multiperiod equilibrium models. Operations Research Letters, 1998, 22, 33-39.	0.7	1
50	The effect of contingency analysis on the nodal prices in the day-ahead market. Energy Policy, 2010, 38, 141-150.	8.8	1
51	Using dynamic programming for aggregating cuts in a single drillhole. International Journal of Mining, Reclamation and Environment, 1987, 1, 35-40.	0.1	0
52	Editorial: The Importance of Words in Communicating by Language. Interfaces, 1992, 22, 106-108.	1.5	0
53	Editorial: Process versus Personalities. Interfaces, 1993, 23, 77-80.	1.5	0
54	Editorial: Panculturalism. Interfaces, 1993, 23, 64-66.	1.5	0

#	Article	IF	Citations
55	How the Work That Harvey and I Did at the Federal Energy Administration (Later Department of) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Profiles in Operations Research, 2021, , 13-45.	0.4	0