## Dimitris J Bertsimas

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The Price of Robustness. Operations Research, 2004, 52, 35-53.	1.2	3,318
2	Theory and Applications of Robust Optimization. SIAM Review, 2011, 53, 464-501.	4.2	1,705
3	Robust discrete optimization and network flows. Mathematical Programming, 2003, 98, 49-71.	1.6	1,359
4	Adaptive Robust Optimization for the Security Constrained Unit Commitment Problem. IEEE Transactions on Power Systems, 2013, 28, 52-63.	4.6	1,249
5	Optimal control of execution costs. Journal of Financial Markets, 1998, 1, 1-50.	0.7	841
6	Simulated Annealing. Statistical Science, 1993, 8, 10.	1.6	741
7	A Robust Optimization Approach to Inventory Theory. Operations Research, 2006, 54, 150-168.	1.2	505
8	The Price of Fairness. Operations Research, 2011, 59, 17-31.	1.2	444
9	The Air Traffic Flow Management Problem with Enroute Capacities. Operations Research, 1998, 46, 406-422.	1.2	397
10	Best subset selection via a modern optimization lens. Annals of Statistics, 2016, 44, .	1.4	366
11	Robust linear optimization under general norms. Operations Research Letters, 2004, 32, 510-516.	0.5	359
12	A Stochastic and Dynamic Vehicle Routing Problem in the Euclidean Plane. Operations Research, 1991, 39, 601-615.	1.2	342
13	Optimal classification trees. Machine Learning, 2017, 106, 1039-1082.	3.4	341
14	Data-driven robust optimization. Mathematical Programming, 2018, 167, 235-292.	1.6	328
15	Optimal Inequalities in Probability Theory: A Convex Optimization Approach. SIAM Journal on Optimization, 2005, 15, 780-804.	1.2	290
16	From Predictive to Prescriptive Analytics. Management Science, 2020, 66, 1025-1044.	2.4	287
17	Constructing Uncertainty Sets for Robust Linear Optimization. Operations Research, 2009, 57, 1483-1495.	1.2	254
18	Tractable Approximations to Robust Conic Optimization Problems. Mathematical Programming, 2006, 107, 5-36.	1.6	245

#	Article	IF	CITATIONS
19	Robust game theory. Mathematical Programming, 2006, 107, 231-273.	1.6	238
20	A New Generation of Vehicle Routing Research: Robust Algorithms, Addressing Uncertainty. Operations Research, 1996, 44, 286-304.	1.2	237
21	Stochastic and Dynamic Vehicle Routing in the Euclidean Plane with Multiple Capacitated Vehicles. Operations Research, 1993, 41, 60-76.	1.2	236
22	A Priori Optimization. Operations Research, 1990, 38, 1019-1033.	1.2	210
23	Shortfall as a risk measure: properties, optimization and applications. Journal of Economic Dynamics and Control, 2004, 28, 1353-1381.	0.9	206
24	Revenue Management in a Dynamic Network Environment. Transportation Science, 2003, 37, 257-277.	2.6	204
25	An Integer Optimization Approach to Large-Scale Air Traffic Flow Management. Operations Research, 2011, 59, 211-227.	1.2	203
26	Surgical Risk Is Not Linear: Derivation and Validation of a Novel, User-friendly, and Machine-learning-based Predictive OpTimal Trees in Emergency Surgery Risk (POTTER) Calculator. Annals of Surgery, 2018, 268, 574-583.	2.1	193
27	Algorithm for cardinality-constrained quadratic optimization. Computational Optimization and Applications, 2009, 43, 1-22.	0.9	192
28	On the Efficiency-Fairness Trade-off. Management Science, 2012, 58, 2234-2250.	2.4	190
29	Restless Bandits, Linear Programming Relaxations, and a Primal-Dual Index Heuristic. Operations Research, 2000, 48, 80-90.	1.2	186
30	Adaptive Distributionally Robust Optimization. Management Science, 2019, 65, 604-618.	2.4	183
31	The Traffic Flow Management Rerouting Problem in Air Traffic Control: A Dynamic Network Flow Approach. Transportation Science, 2000, 34, 239-255.	2.6	181
32	Algorithmic Prediction of Health-Care Costs. Operations Research, 2008, 56, 1382-1392.	1.2	180
33	Models for Minimax Stochastic Linear Optimization Problems with Risk Aversion. Mathematics of Operations Research, 2010, 35, 580-602.	0.8	170
34	Optimality of Affine Policies in Multistage Robust Optimization. Mathematics of Operations Research, 2010, 35, 363-394.	0.8	169
35	The Multi-Airport Ground-Holding Problem in Air Traffic Control. Operations Research, 1994, 42, 249-261.	1.2	166
36	Conservation Laws, Extended Polymatroids and Multiarmed Bandit Problems; A Polyhedral Approach to Indexable Systems. Mathematics of Operations Research, 1996, 21, 257-306.	0.8	155

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37	Robust multiperiod portfolio management in the presence of transaction costs. Computers and Operations Research, 2008, 35, 3-17.	2.4	152
38	Survivable networks, linear programming relaxations and the parsimonious property. Mathematical Programming, 1993, 60, 145-166.	1.6	146
39	On the Relation Between Option and Stock Prices: A Convex Optimization Approach. Operations Research, 2002, 50, 358-374.	1.2	143
40	Robust sample average approximation. Mathematical Programming, 2018, 171, 217-282.	1.6	142
41	Finite Adaptability in Multistage Linear Optimization. IEEE Transactions on Automatic Control, 2010, 55, 2751-2766.	3.6	140
42	Fairness, Efficiency, and Flexibility in Organ Allocation for Kidney Transplantation. Operations Research, 2013, 61, 73-87.	1.2	140
43	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2113561119.	3.3	136
44	Hedging Derivative Securities and Incomplete Markets: An ε-Arbitrage Approach. Operations Research, 2001, 49, 372-397.	1.2	132
45	Optimization of Multiclass Queueing Networks: Polyhedral and Nonlinear Characterizations of Achievable Performance. Annals of Applied Probability, 1994, 4, 43.	0.6	131
46	Online Vehicle Routing: The Edge of Optimization in Large-Scale Applications. Operations Research, 2019, 67, 143-162.	1.2	131
47	COVID-19 mortality risk assessment: An international multi-center study. PLoS ONE, 2020, 15, e0243262.	1.1	128
48	Simulation-Based Booking Limits for Airline Revenue Management. Operations Research, 2005, 53, 90-106.	1.2	124
49	On the power and limitations of affine policies in two-stage adaptive optimization. Mathematical Programming, 2012, 134, 491-531.	1.6	122
50	Tractable stochastic analysis in high dimensions via robust optimization. Mathematical Programming, 2012, 134, 23-70.	1.6	116
51	When is time continuous?. Journal of Financial Economics, 2000, 55, 173-204.	4.6	111
52	An Approximate Dynamic Programming Approach to Multidimensional Knapsack Problems. Management Science, 2002, 48, 550-565.	2.4	108
53	A Soft Robust Model for Optimization Under Ambiguity. Operations Research, 2010, 58, 1220-1234.	1.2	108
54	Dynamic Ground-Holding Policies for a Network of Airports. Transportation Science, 1994, 28, 275-291.	2.6	105

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55	Robust Optimization for Unconstrained Simulation-Based Problems. Operations Research, 2010, 58, 161-178.	1.2	104
56	Data-driven estimation in equilibrium using inverse optimization. Mathematical Programming, 2015, 153, 595-633.	1.6	104
57	Robust and Data-Driven Optimization: Modern Decision Making Under Uncertainty. , 2006, , 95-122.		99
58	Computational Approaches to Stochastic Vehicle Routing Problems. Transportation Science, 1995, 29, 342-352.	2.6	95
59	Further results on the probabilistic traveling salesman problem. European Journal of Operational Research, 1993, 65, 68-95.	3.5	94
60	Restaurant Revenue Management. Operations Research, 2003, 51, 472-486.	1.2	92
61	A Hierarchy of Near-Optimal Policies for Multistage Adaptive Optimization. IEEE Transactions on Automatic Control, 2011, 56, 2809-2824.	3.6	91
62	Portfolio Construction Through Mixed-Integer Programming at Grantham, Mayo, Van Otterloo and Company. Interfaces, 1999, 29, 49-66.	1.6	84
63	Locating Discretionary Service Facilities, II: Maximizing Market Size, Minimizing Inconvenience. Operations Research, 1995, 43, 623-632.	1.2	83
64	Multistage Robust Mixed-Integer Optimization with Adaptive Partitions. Operations Research, 2016, 64, 980-998.	1.2	83
65	Design of Near Optimal Decision Rules in Multistage Adaptive Mixed-Integer Optimization. Operations Research, 2015, 63, 610-627.	1.2	81
66	Personalized Diabetes Management Using Electronic Medical Records. Diabetes Care, 2017, 40, 210-217.	4.3	81
67	Stochastic and dynamic vehicle routing with general demand and interarrival time distributions. Advances in Applied Probability, 1993, 25, 947-978.	0.4	80
68	Inverse Optimization: A New Perspective on the Black-Litterman Model. Operations Research, 2012, 60, 1389-1403.	1.2	80
69	Classification and Regression via Integer Optimization. Operations Research, 2007, 55, 252-271.	1.2	79
70	OR Forum—An Algorithmic Approach to Linear Regression. Operations Research, 2016, 64, 2-16.	1.2	77
71	A Learning Approach for Interactive Marketing to a Customer Segment. Operations Research, 2007, 55, 1120-1135.	1.2	76
72	A Robust Optimization Approach to Supply Chain Management. Lecture Notes in Computer Science, 2004, , 86-100.	1.0	75

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73	An Analytics Approach to Designing Combination Chemotherapy Regimens for Cancer. Management Science, 2016, 62, 1511-1531.	2.4	73
74	Robust optimization with simulated annealing. Journal of Global Optimization, 2010, 48, 323-334.	1.1	72
75	On the Power of Robust Solutions in Two-Stage Stochastic and Adaptive Optimization Problems. Mathematics of Operations Research, 2010, 35, 284-305.	0.8	72
76	Development and validation of an optimized prediction of mortality for candidates awaiting liver transplantation. American Journal of Transplantation, 2019, 19, 1109-1118.	2.6	72
77	On Central Limit Theorems in Geometrical Probability. Annals of Applied Probability, 1993, 3, 1033.	0.6	71
78	Equitable and Efficient Coordination in Traffic Flow Management. Transportation Science, 2012, 46, 262-280.	2.6	71
79	Depression and Costs of Health Care. Psychosomatics, 2009, 50, 392-401.	2.5	69
80	Probabilistic Service Level Guarantees in Make-to-Stock Manufacturing Systems. Operations Research, 2001, 49, 119-133.	1.2	68
81	Sparse high-dimensional regression: Exact scalable algorithms and phase transitions. Annals of Statistics, 2020, 48, .	1.4	68
82	Nonconvex Robust Optimization for Problems with Constraints. INFORMS Journal on Computing, 2010, 22, 44-58.	1.0	67
83	Reformulation versus cutting-planes for robust optimization. Computational Management Science, 2016, 13, 195-217.	0.8	65
84	Dynamic Pricing: A Learning Approach. , 2006, , 45-79.		64
85	Machine learning and natural language processing methods to identify ischemic stroke, acuity and location from radiology reports. PLoS ONE, 2020, 15, e0234908.	1.1	63
86	Asymptotically Optimal Algorithms for Job Shop Scheduling and Packet Routing. Journal of Algorithms, 1999, 33, 296-318.	0.9	62
87	Fairness and Collaboration in Network Air Traffic Flow Management: An Optimization Approach. Transportation Science, 2016, 50, 57-76.	2.6	61
88	Characterization of the equivalence of robustification and regularization in linear and matrix regression. European Journal of Operational Research, 2018, 270, 931-942.	3.5	61
89	Solving asymmetric variational inequalities via convex optimization. Operations Research Letters, 2006, 34, 481-490.	0.5	56
90	The Distributional Little's Law and Its Applications. Operations Research, 1995, 43, 298-310.	1.2	55

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91	Models and Algorithms for Transient Queueing Congestion at Airports. Management Science, 1995, 41, 1279-1295.	2.4	55
92	Exact First-Choice Product Line Optimization. Operations Research, 2019, 67, 651-670.	1.2	55
93	The probabilistic minimum spanning tree problem. Networks, 1990, 20, 245-275.	1.6	51
94	Probabilistic Combinatorial Optimization: Moments, Semidefinite Programming, and Asymptotic Bounds. SIAM Journal on Optimization, 2004, 15, 185-209.	1.2	51
95	Persistence in discrete optimization under data uncertainty. Mathematical Programming, 2006, 108, 251-274.	1.6	50
96	Logistic Regression: From Art to Science. Statistical Science, 2017, 32, .	1.6	50
97	Robust Product Line Design. Operations Research, 2017, 65, 19-37.	1.2	50
98	Robust Queueing Theory. Operations Research, 2015, 63, 676-700.	1.2	49
99	Duality in Two-Stage Adaptive Linear Optimization: Faster Computation and Stronger Bounds. INFORMS Journal on Computing, 2016, 28, 500-511.	1.0	49
100	An Analytic Approach to a General Class of G/G/s Queueing Systems. Operations Research, 1990, 38, 139-155.	1.2	48
101	From predictions to prescriptions: A data-driven response to COVID-19. Health Care Management Science, 2021, 24, 253-272.	1.5	48
102	A New Algorithm for State-Constrained Separated Continuous Linear Programs. SIAM Journal on Control and Optimization, 1998, 37, 177-210.	1.1	47
103	A Geometric Characterization of the Power of Finite Adaptability in Multistage Stochastic and Adaptive Optimization. Mathematics of Operations Research, 2011, 36, 24-54.	0.8	47
104	A pre-registered short-term forecasting study of COVID-19 in Germany and Poland during the second wave. Nature Communications, 2021, 12, 5173.	5.8	47
105	Transient laws of non-stationary queueing systems and their applications. Queueing Systems, 1997, 25, 115-155.	0.6	46
106	TIGHT BOUNDS ON EXPECTED ORDER STATISTICS. Probability in the Engineering and Informational Sciences, 2006, 20, 667-686.	0.6	46
107	A hybrid approach to beam angle optimization in intensity-modulated radiation therapy. Computers and Operations Research, 2013, 40, 2187-2197.	2.4	46
108	Optimal Design for Multi-Item Auctions: A Robust Optimization Approach. Mathematics of Operations Research, 2014, 39, 1012-1038.	0.8	46

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109	Binary decision rules for multistage adaptive mixed-integer optimization. Mathematical Programming, 2018, 167, 395-433.	1.6	46
110	Optimal Prescriptive Trees. INFORMS Journal on Optimization, 2019, 1, 164-183.	0.9	46
111	On dependent randomized rounding algorithms. Operations Research Letters, 1999, 24, 105-114.	0.5	45
112	Robust and Adaptive Network Flows. Operations Research, 2013, 61, 1218-1242.	1.2	45
113	The Power of Optimization Over Randomization in Designing Experiments Involving Small Samples. Operations Research, 2015, 63, 868-876.	1.2	44
114	Large deviations analysis of the generalized processor sharing policy. Queueing Systems, 1999, 32, 319-349.	0.6	42
115	Machine Learning in Oncology: Methods, Applications, and Challenges. JCO Clinical Cancer Informatics, 2020, 4, 885-894.	1.0	42
116	On the large deviations behavior of acyclic networks of \$G/G/1\$ queues. Annals of Applied Probability, 1998, 8, .	0.6	42
117	The voice of optimization. Machine Learning, 2021, 110, 249-277.	3.4	41
118	Where to locate <scp>COVID</scp> â€19 mass vaccination facilities?. Naval Research Logistics, 2022, 69, 179-200.	1.4	41
119	Robust option pricing. European Journal of Operational Research, 2014, 239, 842-853.	3.5	40
120	Special Issue Papers: Dynamic pricing and inventory control for multiple products. Journal of Revenue and Pricing Management, 2005, 3, 303-319.	0.7	38
121	Least quantile regression via modern optimization. Annals of Statistics, 2014, 42, .	1.4	38
122	Applied Informatics Decision Support Tool for Mortality Predictions in Patients With Cancer. JCO Clinical Cancer Informatics, 2018, 2, 1-11.	1.0	38
123	Traveling Salesman Facility Location Problems. Transportation Science, 1989, 23, 184-191.	2.6	37
124	Revealing Rival Marginal Offer Prices Via Inverse Optimization. IEEE Transactions on Power Systems, 2013, 28, 3056-3064.	4.6	37
125	Robust Classification. INFORMS Journal on Optimization, 2019, 1, 2-34.	0.9	37
126	An asymptotic determination of the minimum spanning tree and minimum matching constants in geometrical probability. Operations Research Letters, 1990, 9, 223-231.	0.5	36

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127	A tight characterization of the performance of static solutions in two-stage adjustable robust linear optimization. Mathematical Programming, 2015, 150, 281-319.	1.6	36
128	Optimizing schools' start time and bus routes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5943-5948.	3.3	36
129	From Valid Inequalities to Heuristics: A Unified View of Primal-Dual Approximation Algorithms in Covering Problems. Operations Research, 1998, 46, 503-514.	1.2	35
130	The achievable region method in the optimal control of queueing systems; formulations, bounds and policies. Queueing Systems, 1995, 21, 337-389.	0.6	34
131	Dynamic resource allocation: A flexible and tractable modeling framework. European Journal of Operational Research, 2014, 236, 14-26.	3.5	34
132	Inventory Management in the Era of Big Data. Production and Operations Management, 2016, 25, 2006-2009.	2.1	34
133	Machine Learning for Real-Time Heart Disease Prediction. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3627-3637.	3.9	34
134	Rounding algorithms for covering problems. Mathematical Programming, 1998, 80, 63-89.	1.6	33
135	From fluid relaxations to practical algorithms for job shop scheduling: the makespan objective. Mathematical Programming, 2002, 92, 61-102.	1.6	33
136	Interpretable clustering: an optimization approach. Machine Learning, 2021, 110, 89-138.	3.4	33
137	Stochastic and dynamic vehicle routing with general demand and interarrival time distributions. Advances in Applied Probability, 1993, 25, 947-978.	0.4	32
138	Personalized treatment for coronary artery disease patients: a machine learning approach. Health Care Management Science, 2020, 23, 482-506.	1.5	32
139	Validation of the Artificial Intelligence-Based Predictive Optimal Trees in Emergency Surgery Risk (POTTER) Calculator in Emergency General Surgery and Emergency Laparotomy Patients. Journal of the American College of Surgeons, 2021, 232, 912-919e1.	0.2	32
140	Deducing Queueing from Transactional Data: The Queue Inference Engine, Revisited. Operations Research, 1992, 40, S217-S228.	1.2	31
141	On the power of randomization in network interdiction. Operations Research Letters, 2016, 44, 114-120.	0.5	31
142	A simple and fast spectroscopy-based technique for Covid-19 diagnosis. Scientific Reports, 2021, 11, 16740.	1.6	31
143	Robust optimization in electromagnetic scattering problems. Journal of Applied Physics, 2007, 101, 074507.	1.1	30
144	From Fluid Relaxations to Practical Algorithms for High-Multiplicity Job-Shop Scheduling: The Holding Cost Objective. Operations Research, 2003, 51, 798-813.	1.2	29

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145	Prescriptive analytics for human resource planning in the professional services industry. European Journal of Operational Research, 2019, 272, 636-641.	3.5	29
146	On the approximability of adjustable robust convex optimization under uncertainty. Mathematical Methods of Operations Research, 2013, 77, 323-343.	0.4	28
147	A comparison of Monte Carlo tree search and rolling horizon optimization for large-scale dynamic resource allocation problems. European Journal of Operational Research, 2017, 263, 664-678.	3.5	28
148	Transient and busy period analysis of theGI/G/1 queue: The method of stages. Queueing Systems, 1992, 10, 153-184.	0.6	27
149	Trauma outcome predictor: An artificial intelligence interactive smartphone tool to predict outcomes in trauma patients. Journal of Trauma and Acute Care Surgery, 2021, 91, 93-99.	1.1	27
150	Robust and stochastic formulations for ambulance deployment and dispatch. European Journal of Operational Research, 2019, 279, 557-571.	3.5	26
151	A Scalable Algorithm for Sparse Portfolio Selection. INFORMS Journal on Computing, 2022, 34, 1489-1511.	1.0	26
152	An exact FCFS waiting time analysis for a general class of G/G/s queueing systems. Queueing Systems, 1988, 3, 305-320.	0.6	25
153	Decomposable Markov Decision Processes: A Fluid Optimization Approach. Operations Research, 2016, 64, 1537-1555.	1.2	25
154	Machine learning provides evidence that stroke risk is not linear: The non-linear Framingham stroke risk score. PLoS ONE, 2020, 15, e0232414.	1.1	25
155	Probabilistic Analysis of the Held and Karp Lower Bound for the Euclidean Traveling Salesman Problem. Mathematics of Operations Research, 1991, 16, 72-89.	0.8	24
156	On the performance of affine policies for two-stage adaptive optimization: a geometric perspective. Mathematical Programming, 2015, 153, 577-594.	1.6	24
157	Accept or Decline? An Analytics-Based Decision Tool for Kidney Offer Evaluation. Transplantation, 2017, 101, 2898-2904.	0.5	24
158	Optimal healthcare decision making under multiple mathematical models: application in prostate cancer screening. Health Care Management Science, 2018, 21, 105-118.	1.5	24
159	Comparison of Machine Learning Optimal Classification Trees With the Pediatric Emergency Care Applied Research Network Head Trauma Decision Rules. JAMA Pediatrics, 2019, 173, 648.	3.3	24
160	Technical Note—Two-Stage Sample Robust Optimization. Operations Research, 2022, 70, 624-640.	1.2	24
161	Performance Analysis of Queueing Networks via Robust Optimization. Operations Research, 2011, 59, 455-466.	1.2	23
162	A Data-Driven Approach to Multistage Stochastic Linear Optimization. Management Science, 2023, 69,	2.4	23

51-74.

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163	Decomposition Algorithms for Analyzing Transient Phenomena in Multiclass Queueing Networks in Air Transportation. Operations Research, 1995, 43, 995-1011.	1.2	22
164	Learning Preferences Under Noise and Loss Aversion: An Optimization Approach. Operations Research, 2013, 61, 1190-1199.	1.2	22
165	Unified Optimization of Traffic Flows Through Airports. Transportation Science, 2016, 50, 77-93.	2.6	22
166	Joint Frequency-Setting and Pricing Optimization on Multimodal Transit Networks at Scale. Transportation Science, 2020, 54, 839-853.	2.6	22
167	Adverse Outcomes Prediction for Congenital Heart Surgery: A Machine Learning Approach. World Journal for Pediatric & Congenital Heart Surgery, 2021, 12, 453-460.	0.3	22
168	The parsimonious property of cut covering problems and its applications. Operations Research Letters, 1997, 21, 123-132.	0.5	21
169	A New Algebraic Geometry Algorithm for Integer Programming. Management Science, 2000, 46, 999-1008.	2.4	21
170	Multistage Lot Sizing Problems via Randomized Rounding. Operations Research, 2001, 49, 599-608.	1.2	21
171	Scheduling, Revenue Management, and Fairness in an Academic-Hospital Radiology Division. Academic Radiology, 2014, 21, 1322-1330.	1.3	21
172	Data-Driven Optimization: A Reproducing Kernel Hilbert Space Approach. Operations Research, 2022, 70, 454-471.	1.2	21
173	Predicting Inpatient Flow at a Major Hospital Using Interpretable Analytics. Manufacturing and Service Operations Management, 2022, 24, 2809-2824.	2.3	21
174	OR Forum—Tenure Analytics: Models for Predicting Research Impact. Operations Research, 2015, 63, 1246-1261.	1.2	20
175	Balancing Efficiency and Fairness in Liver Transplant Access: Tradeoff Curves for the Assessment of Organ Distribution Policies. Transplantation, 2020, 104, 981-987.	0.5	20
176	Online Mixed-Integer Optimization in Milliseconds. INFORMS Journal on Computing, 2022, 34, 2229-2248.	1.0	20
177	Bounds on linear PDEs via semidefinite optimization. Mathematical Programming, 2006, 108, 135-158.	1.6	19
178	A semidefinite optimization approach to the steady-state analysis of queueing systems. Queueing Systems, 2007, 56, 27-39.	0.6	19
179	Robust chirped mirrors. Applied Optics, 2008, 47, 2630.	2.1	19
180	Travel Time Estimation in the Age of Big Data. Operations Research, 0, , .	1.2	19

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181	Validation of the Al-based Predictive OpTimal Trees in Emergency Surgery Risk (POTTER) Calculator in Patients 65 Years and Older. Annals of Surgery, 2023, 277, e8-e15.	2.1	19
182	Robust and data-driven approaches to call centers. European Journal of Operational Research, 2010, 207, 1072-1085.	3.5	18
183	Optimal bidding in online auctions. Journal of Revenue and Pricing Management, 2009, 8, 21-41.	0.7	17
184	Robust Fluid Processing Networks. IEEE Transactions on Automatic Control, 2015, 60, 715-728.	3.6	17
185	On the Steady-State Solution of theM/C2(a,b)/sQueueing System. Transportation Science, 1988, 22, 125-138.	2.6	16
186	Adaptability via sampling. , 2007, , .		16
187	Optimization-Based Scenario Reduction for Data-Driven Two-Stage Stochastic Optimization. Operations Research, 2023, 71, 1343-1361.	1.2	16
188	Using Artificial Intelligence to Find the Optimal Margin Width in Hepatectomy for Colorectal Cancer Liver Metastases. JAMA Surgery, 2022, 157, e221819.	2.2	16
189	Forecasting COVID-19 and Analyzing the Effect of Government Interventions. Operations Research, 2023, 71, 184-201.	1.2	16
190	Hurricane Forecasting: A Novel Multimodal Machine Learning Framework. Weather and Forecasting, 2022, 37, 817-831.	0.5	15
191	A Unified Approach to Mixed-Integer Optimization Problems With Logical Constraints. SIAM Journal on Optimization, 2021, 31, 2340-2367.	1.2	14
192	Computation of Convex Hull Prices in Electricity Markets With Non-Convexities Using Dantzig-Wolfe Decomposition. IEEE Transactions on Power Systems, 2022, 37, 2578-2589.	4.6	14
193	Analysis of the stationary Ek/C2/s queueing system. European Journal of Operational Research, 1988, 37, 272-287.	3.5	13
194	Introduction to the Special Issue on Business Analytics. Management Science, 2014, 60, 1351-1351.	2.4	13
195	Robust Maximum Likelihood Estimation. INFORMS Journal on Computing, 2019, 31, 445-458.	1.0	13
196	Imputation of clinical covariates in time series. Machine Learning, 2021, 110, 185-248.	3.4	13
197	Selecting Children with Vesicoureteral Reflux Who are Most Likely to Benefit from Antibiotic Prophylaxis: Application of Machine Learning to RIVUR. Journal of Urology, 2021, 205, 1170-1179.	0.2	13
198	Dynamic optimization with side information. European Journal of Operational Research, 2023, 304, 634-651.	3.5	13

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199	Decomposition results for general polling systems and their applications. Queueing Systems, 1999, 31, 295-316.	0.6	12
200	Clinical benefit, toxicity and cost of metastatic breast cancer therapies: systematic review and meta-analysis. Breast Cancer Research and Treatment, 2019, 176, 535-543.	1.1	12
201	Certifiably optimal sparse principal component analysis. Mathematical Programming Computation, 2019, 11, 381-420.	3.2	12
202	Sparse classification: a scalable discrete optimization perspective. Machine Learning, 2021, 110, 3177-3209.	3.4	12
203	Transient and busy period analysis of the GIG/1 Queue as a Hilbert factorization problem. Journal of Applied Probability, 1991, 28, 873-885.	0.4	11
204	An accelerated first-order method for solving SOS relaxations of unconstrained polynomial optimization problems. Optimization Methods and Software, 2013, 28, 424-441.	1.6	11
205	Sparse Convex Regression. INFORMS Journal on Computing, 2021, 33, 262-279.	1.0	11
206	Bootstrap robust prescriptive analytics. Mathematical Programming, 2022, 195, 39-78.	1.6	11
207	A unified method to analyze overtake free queueing systems. Advances in Applied Probability, 1996, 28, 588-625.	0.4	10
208	Prediction of cervical spine injury in young pediatric patients: an optimal trees artificial intelligence approach. Journal of Pediatric Surgery, 2019, 54, 2353-2357.	0.8	10
209	Scalable holistic linear regression. Operations Research Letters, 2020, 48, 203-208.	0.5	10
210	Learning Mixed-Integer Convex Optimization Strategies for Robot Planning and Control. , 2020, , .		10
211	Course Scheduling Under Sudden Scarcity: Applications to Pandemic Planning. Manufacturing and Service Operations Management, 2022, 24, 727-745.	2.3	10
212	Optimal survival trees. Machine Learning, 2022, 111, 2951-3023.	3.4	10
213	A technique for speeding up the solution of the Lagrangean dual. Mathematical Programming, 1994, 63, 23-45.	1.6	9
214	Analysis of LP relaxations for multiway and multicut problems. Networks, 1999, 34, 102-114.	1.6	9
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