

Andrew J Schaefer

List of Publications by Year in descending order

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54
papers

1,456
citations

361413

20
h-index

345221

36
g-index

54
all docs

54
docs citations

54
times ranked

1355
citing authors

#	ARTICLE	IF	CITATIONS
1	Suboptimal breastfeeding in the United States: Maternal and pediatric health outcomes and costs. <i>Maternal and Child Nutrition</i> , 2017, 13, .	3.0	243
2	The Optimal Timing of Living-Donor Liver Transplantation. <i>Management Science</i> , 2004, 50, 1420-1430.	4.1	162
3	Determining the Acceptance of Cadaveric Livers Using an Implicit Model of the Waiting List. <i>Operations Research</i> , 2007, 55, 24-36.	1.9	109
4	Stochastic Operating Room Scheduling for High-Volume Specialties Under Block Booking. <i>INFORMS Journal on Computing</i> , 2013, 25, 682-692.	1.7	75
5	Maximizing the Efficiency of the U.S. Liver Allocation System Through Region Design. <i>Management Science</i> , 2010, 56, 2111-2122.	4.1	69
6	Choosing Among Living-Donor and Cadaveric Livers. <i>Management Science</i> , 2007, 53, 1702-1715.	4.1	65
7	Estimating the Patient's Price of Privacy in Liver Transplantation. <i>Operations Research</i> , 2008, 56, 1393-1410.	1.9	62
8	Impact of Optimized Breastfeeding on the Costs of Necrotizing Enterocolitis in Extremely Low Birthweight Infants. <i>Journal of Pediatrics</i> , 2016, 175, 100-105.e2.	1.8	55
9	Macronutrient variability in human milk from donors to a milk bank: Implications for feeding preterm infants. <i>PLoS ONE</i> , 2019, 14, e0210610.	2.5	48
10	Optimizing the Societal Benefits of the Annual Influenza Vaccine: A Stochastic Programming Approach. <i>Operations Research</i> , 2011, 59, 1131-1143.	1.9	41
11	Inverse integer programming. <i>Optimization Letters</i> , 2009, 3, 483-489.	1.6	40
12	Alleviating the Patient's Price of Privacy Through a Partially Observable Waiting List. <i>Management Science</i> , 2013, 59, 1836-1854.	4.1	40
13	Incorporating Biological Natural History in Simulation Models: Empirical Estimates of the Progression of End-Stage Liver Disease. <i>Medical Decision Making</i> , 2005, 25, 620-632.	2.4	37
14	The structure of optimal statin initiation policies for patients with Type 2 diabetes. <i>IIE Transactions on Healthcare Systems Engineering</i> , 2011, 1, 49-65.	0.8	33
15	Two-stage integer programs with stochastic right-hand sides: a superadditive dual approach. <i>Mathematical Programming</i> , 2006, 108, 275-296.	2.4	31
16	A hierarchy of bounds for stochastic mixed-integer programs. <i>Mathematical Programming</i> , 2013, 138, 253-272.	2.4	28
17	Usefulness of surveillance imaging in patients with head and neck cancer who are treated with definitive radiotherapy. <i>Cancer</i> , 2019, 125, 1823-1829.	4.1	28
18	A stochastic integer programming approach to solving a synchronous optical network ring design problem. <i>Networks</i> , 2004, 44, 12-26.	2.7	22

#	ARTICLE	IF	CITATIONS
19	The bilevel knapsack problem with stochastic right-hand sides. <i>Operations Research Letters</i> , 2010, 38, 328-333.	0.7	22
20	An Exact Method for Balancing Efficiency and Equity in the Liver Allocation Hierarchy. <i>INFORMS Journal on Computing</i> , 2012, 24, 260-275.	1.7	22
21	An Online Calculator to Estimate the Impact of Changes in Breastfeeding Rates on Population Health and Costs. <i>Breastfeeding Medicine</i> , 2017, 12, 645-658.	1.7	22
22	On a Level-Set Characterization of the Value Function of an Integer Program and Its Application to Stochastic Programming. <i>Operations Research</i> , 2013, 61, 498-511.	1.9	20
23	SPAR: stochastic programming with adversarial recourse. <i>Operations Research Letters</i> , 2006, 34, 307-315.	0.7	19
24	Two-stage quadratic integer programs with stochastic right-hand sides. <i>Mathematical Programming</i> , 2012, 133, 121-158.	2.4	14
25	Modeling hospital discharge policies for patients with pneumonia-related sepsis. <i>IIE Transactions</i> , 2008, 40, 853-860.	2.1	11
26	A polyhedral characterization of the inverse-feasible region of a mixed-integer program. <i>Operations Research Letters</i> , 2015, 43, 575-578.	0.7	11
27	Optimal Design of the Seasonal Influenza Vaccine with Manufacturing Autonomy. <i>INFORMS Journal on Computing</i> , 2018, 30, 371-387.	1.7	11
28	Solving Stochastic and Bilevel Mixed-Integer Programs via a Generalized Value Function. <i>Operations Research</i> , 2019, 67, 1659-1677.	1.9	11
29	MR-Guided Adaptive Radiotherapy for OAR Sparing in Head and Neck Cancers. <i>Cancers</i> , 2022, 14, 1909.	3.7	11
30	Improving airline operational performance through schedule perturbation. <i>Annals of Operations Research</i> , 2006, 144, 3-16.	4.1	10
31	A modeling framework for replacing medical therapies. <i>IIE Transactions</i> , 2008, 40, 861-869.	2.1	10
32	Totally unimodular stochastic programs. <i>Mathematical Programming</i> , 2013, 138, 1-13.	2.4	10
33	Development and validation of a large scale ICU simulation model with blocking. , 2011, , .		8
34	Optimal Liver Acceptance for Risk-Sensitive Patients. <i>Service Science</i> , 2018, 10, 320-333.	1.3	8
35	Surveillance imaging for patients with head and neck cancer treated with definitive radiotherapy: A partially observed Markov decision process model. <i>Cancer</i> , 2020, 126, 749-756.	4.1	8
36	Objective Selection for Cancer Treatment: An Inverse Optimization Approach. <i>Operations Research</i> , 2022, 70, 1717-1738.	1.9	7

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37	Replacing nonidentical vital components to extend system life. <i>Naval Research Logistics</i> , 2008, 55, 700-703.	2.2	5
38	Should Expectations about the Rate of New Antiretroviral Drug Development Impact the Timing of HIV Treatment Initiation and Expectations about Treatment Benefits?. <i>PLoS ONE</i> , 2014, 9, e98354.	2.5	5
39	The case against utilization: Deceptive performance measures in inpatient care capacity models. , 2012, , .		4
40	Optimal pinging frequencies in the search for an immobile beacon. <i>IIE Transactions</i> , 2016, 48, 489-500.	2.1	4
41	Effective management policies for remnant inventory supply chains. <i>IIE Transactions</i> , 2009, 41, 437-447.	2.1	3
42	Locating Hybrid Fuel Cell–Turbine Power Generation Units under Uncertainty. <i>Annals of Operations Research</i> , 2004, 132, 301-322.	4.1	2
43	Superadditive characterizations of pure integer programming feasibility. <i>Optimization Letters</i> , 2016, 10, 181-188.	1.6	2
44	Optimizing over pure stationary equilibria in consensus stopping games. <i>Mathematical Programming Computation</i> , 2019, 11, 341-380.	4.8	2
45	Sensitivity analysis of an ICU simulation model. , 2012, , .		1
46	HIV Treatment in Resource-Limited Environments: Treatment Coverage and Insights. <i>Value in Health</i> , 2015, 18, 1113-1119.	0.3	1
47	Special issue of <i>Mathematical Programming, Series B</i> , dedicated to the international symposium on mathematical programming, Pittsburgh, July 2015. <i>Mathematical Programming</i> , 2015, 151, 1-2.	2.4	1
48	Relating single-scenario facets to the convex hull of the extensive form of a stochastic single-node flow polytope. <i>Operations Research Letters</i> , 2020, 48, 342-349.	0.7	1
49	The Gap Function: Evaluating Integer Programming Models over Multiple Right-Hand Sides. <i>Operations Research</i> , 2022, 70, 1259-1270.	1.9	1
50	Optimal Pooling, Batching, and Pasteurizing of Donor Human Milk. <i>Service Science</i> , 2022, 14, 13-34.	1.3	1
51	Mitigating Information Asymmetry in Liver Allocation. <i>INFORMS Journal on Computing</i> , 0, , .	1.7	0
52	Optimal jersey retirement in the National Basketball Association. <i>IIE Transactions</i> , 2020, 52, 363-376.	2.4	0
53	A Gilmore-Gomory construction of integer programming value functions. <i>Operations Research Letters</i> , 2021, 49, 522-529.	0.7	0
54	Reinforcement learning of simplex pivot rules: a proof of concept. <i>Optimization Letters</i> , 0, , .	1.6	0