

Sarah M Ryan

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,609
citations

218381

26
h-index

205818

48
g-index

84
all docs

84
docs citations

84
times ranked

2344
citing authors

#	ARTICLE	IF	CITATIONS
1	Portfolio rebalancing based on time series momentum and downside risk. <i>IMA Journal of Management Mathematics</i> , 2023, 34, 355-381.	1.1	1
2	Sequencing mixed-model assembly lines with risk-averse stochastic mixed-integer programming. <i>International Journal of Production Research</i> , 2022, 60, 3774-3791.	4.9	3
3	Farm management optimization under uncertainty with impacts on water quality and economic risk. <i>IIE Transactions</i> , 2022, 54, 1143-1160.	1.6	3
4	Estimation of Multiple Sclerosis lesion age on magnetic resonance imaging. <i>NeuroImage</i> , 2021, 225, 117451.	2.1	11
5	Reliability assessment of scenarios generated for stock index returns incorporating momentum. <i>International Journal of Finance and Economics</i> , 2021, 26, 4013-4031.	1.9	2
6	Quantifying the effect of uncertainty in the gas spot price on power system dispatch costs with estimated correlated uncertainties. <i>Energy Systems</i> , 2020, 11, 859-884.	1.8	0
7	Land use optimization for nutrient reduction under stochastic precipitation rates. <i>Environmental Modelling and Software</i> , 2020, 123, 104527.	1.9	12
8	Template Creation for High-Resolution Computed Tomography Scans of the Lung in R Software. <i>Academic Radiology</i> , 2020, 27, e204-e215.	1.3	5
9	Decreased placental folate transporter expression and activity in first and second trimester in obese mothers. <i>Journal of Nutritional Biochemistry</i> , 2020, 77, 108305.	1.9	9
10	Aromatase Inhibition Ameliorates Decreased LH Output Found in Obese Women. <i>Reproductive Sciences</i> , 2020, 27, 1018-1023.	1.1	2
11	Seeking emergency contraception in the United States: A review of access and barriers. <i>Women and Health</i> , 2019, 59, 364-374.	0.4	22
12	Radiomic measures from chest high-resolution computed tomography associated with lung function in sarcoidosis. <i>European Respiratory Journal</i> , 2019, 54, 1900371.	3.1	22
13	Stochastic vs. deterministic scheduling of a combined natural gas and power system with uncertain wind energy. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 108, 303-313.	3.3	26
14	Reducing Anesthesia Use for Pediatric Magnetic Resonance Imaging: The Effects of a Patient- and Family-Centered Intervention on Image Quality, Health-care Costs, and Operational Efficiency. <i>Journal of Radiology Nursing</i> , 2019, 38, 21-27.	0.2	8
15	A longitudinal intervention to improve young children's liking and consumption of new foods: findings from the Colorado LEAP study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2019, 16, 49.	2.0	24
16	Observational data-based quality assessment of scenario generation for stochastic programs. <i>Computational Management Science</i> , 2019, 16, 521-540.	0.8	3
17	Robust optimization vs. stochastic programming incorporating risk measures for unit commitment with uncertain variable renewable generation. <i>Energy Systems</i> , 2019, 10, 517-541.	1.8	23
18	Statistical reliability of wind power scenarios and stochastic unit commitment cost. <i>Energy Systems</i> , 2018, 9, 873-898.	1.8	10

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19	Closed-loop supply chain network design with multiple transportation modes under stochastic demand and uncertain carbon tax. <i>International Journal of Production Economics</i> , 2018, 195, 118-131.	5.1	145
20	Asymptotic Risk of Unit Commitment Schedule Due to Generating Unit Outages. , 2018, , .		0
21	Child Life Reduces Distress and Pain and Improves Family Satisfaction in the Pediatric Emergency Department. <i>Clinical Pediatrics</i> , 2018, 57, 1567-1575.	0.4	40
22	Conditions under which adjustability lowers the cost of a robust linear program. <i>Annals of Operations Research</i> , 2018, 269, 185-204.	2.6	5
23	Optimizing Service Restoration in Distribution Systems With Uncertain Repair Time and Demand. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 6828-6838.	4.6	124
24	Quantifying the effect of natural gas price uncertainty on economic dispatch cost uncertainty. , 2017, , .		3
25	Statistical metrics for assessing the quality of wind power scenarios for stochastic unit commitment. <i>Wind Energy</i> , 2016, 19, 873-893.	1.9	21
26	Correlation of Left Atrial Appendage Ejection Velocities with the <sc>CHADS</sc> ² and <sc>CHA</sc> ² <sc>DS</sc> ² â€œ<sc>VAS</sc> ^c Scores. <i>Echocardiography</i> , 2016, 33, 1195-1201.	0.3	5
27	Day-ahead hourly electricity load modeling by functional regression. <i>Applied Energy</i> , 2016, 170, 455-465.	5.1	24
28	Obtaining lower bounds from the progressive hedging algorithm for stochastic mixed-integer programs. <i>Mathematical Programming</i> , 2016, 157, 47-67.	1.6	126
29	Solution sensitivity-based scenario reduction for stochastic unit commitment. <i>Computational Management Science</i> , 2016, 13, 29-62.	0.8	44
30	Hybrid robust and stochastic optimization for closed-loop supply chain network design using accelerated Benders decomposition. <i>European Journal of Operational Research</i> , 2016, 249, 76-92.	3.5	208
31	Integration of progressive hedging and dual decomposition in stochastic integer programs. <i>Operations Research Letters</i> , 2015, 43, 311-316.	0.5	36
32	Toward scalable stochastic unit commitment. <i>Energy Systems</i> , 2015, 6, 417-438.	1.8	50
33	Toward scalable stochastic unit commitment. Part 1: load scenario generation. <i>Energy Systems</i> , 2015, 6, 309-329.	1.8	31
34	Scenario reduction for stochastic unit commitment with wind penetration. , 2014, , .		12
35	Joint Optimization of Asset and Inventory Management in a Productâ€œService System. <i>Engineering Economist</i> , 2014, 59, 91-115.	0.3	8
36	A Tri-Level Model of Centralized Transmission and Decentralized Generation Expansion Planning for an Electricity Marketâ€œPart II. <i>IEEE Transactions on Power Systems</i> , 2014, 29, 142-148.	4.6	38

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37	A Tri-Level Model of Centralized Transmission and Decentralized Generation Expansion Planning for an Electricity Market—Part I. IEEE Transactions on Power Systems, 2014, 29, 132-141.	4.6	79
38	Robust design of a closed-loop supply chain network for uncertain carbon regulations and random product flows. EURO Journal on Transportation and Logistics, 2014, 3, 5-34.	1.3	42
39	Temporal Versus Stochastic Granularity in Thermal Generation Capacity Planning With Wind Power. IEEE Transactions on Power Systems, 2014, 29, 2033-2041.	4.6	61
40	Impact of Demand Response on Thermal Generation Investment With High Wind Penetration. IEEE Transactions on Smart Grid, 2013, 4, 2374-2383.	6.2	45
41	Scenario construction and reduction applied to stochastic power generation expansion planning. Computers and Operations Research, 2013, 40, 9-23.	2.4	117
42	Toward scalable, parallel progressive hedging for stochastic unit commitment. , 2013, , .		64
43	A new approximation method for generating day-ahead load scenarios. , 2013, , .		7
44	Costs and Constraints of Transporting and Storing Primary Energy for Electricity Generation. Energy Systems, 2012, , 169-186.	0.5	0
45	Application of scenario reduction to LDC and risk based generation expansion planning. , 2012, , .		2
46	Capacity Expansion in the Integrated Supply Network for an Electricity Market. IEEE Transactions on Power Systems, 2011, 26, 2275-2284.	4.6	34
47	Optimal Replacement in the Proportional Hazards Model With Semi-Markovian Covariate Process and Continuous Monitoring. IEEE Transactions on Reliability, 2011, 60, 580-589.	3.5	33
48	Understanding student pathways in context-rich problems. Education and Information Technologies, 2011, 16, 323-342.	3.5	14
49	Modeling and solving a large-scale generation expansion planning problem under uncertainty. Energy Systems, 2011, 2, 209-242.	1.8	90
50	Effects of uncertain fuel costs on fossil fuel and electric energy flows in the US. Energy Systems, 2010, 1, 209-243.	1.8	7
51	Heavy Traffic Analysis of a Simple Closed-Loop Supply Chain. Stochastic Models, 2010, 26, 549-593.	0.3	4
52	Demand price sensitivity and market power in a congested fuel and electricity network. , 2010, , .		3
53	Value of condition monitoring for optimal replacement in the proportional hazards model with continuous degradation. IIE Transactions, 2010, 42, 553-563.	2.1	36
54	Welfare Effects of Expansions in Equilibrium Models of an Electricity Market With Fuel Network. IEEE Transactions on Power Systems, 2010, 25, 1337-1349.	4.6	12

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55	Market outcomes in a congested electricity system with fuel supply network. , 2009, , .		7
56	Capacity expansion under a service-level constraint for uncertain demand with lead times. Naval Research Logistics, 2009, 56, 250-263.	1.4	16
57	Closing the loop on product-based services with condition monitoring. , 2008, , .		2
58	Risk-based Unit Commitment. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	14
59	A Markov decision model to evaluate outsourcing in reverse logistics. International Journal of Production Research, 2007, 45, 4289-4315.	4.9	76
60	A Multiperiod Generalized Network Flow Model of the U.S. Integrated Energy System: Part I Model Description. IEEE Transactions on Power Systems, 2007, 22, 829-836.	4.6	199
61	Integrated Decision Algorithms for Auto-steered Electric Transmission System Asset Management. Lecture Notes in Computer Science, 2007, , 1066-1073.	1.0	5
62	Optimal Price and Quantity of Refurbished Products. Production and Operations Management, 2006, 15, 369-383.	2.1	156
63	On The Validity of The Geometric Brownian Motion Assumption. Engineering Economist, 2005, 50, 159-192.	0.3	97
64	Allocating work in process in a multiple-product CONWIP system with lost sales. International Journal of Production Research, 2005, 43, 223-246.	4.9	42
65	THE EFFECT OF TECHNOLOGICAL IMPROVEMENT ON CAPACITY EXPANSION FOR UNCERTAIN EXPONENTIAL DEMAND WITH LEAD TIMES. Engineering Economist, 2004, 49, 95-118.	0.3	4
66	Capacity Expansion for Random Exponential Demand Growth with Lead Times. Management Science, 2004, 50, 740-748.	2.4	55
67	THE ENGINEERING LEARNING PORTAL FOR PROBLEM SOLVING: EXPERIENCE IN A LARGE ENGINEERING ECONOMY CLASS. Engineering Economist, 2004, 49, 1-19.	0.3	16
68	Capacity expansion with lead times and autocorrelated random demand. Naval Research Logistics, 2003, 50, 167-183.	1.4	16
69	Capacity expansion for a loss system with exponential demand growth. Computers and Operations Research, 2003, 30, 1525-1537.	2.4	2
70	Total WIP and WIP mix for a CONWIP controlled job shop. IIE Transactions, 2003, 35, 405-418.	2.1	25
71	Operations research methods applied to workflow in a medical records department. Health Care Management Science, 2002, 5, 191-199.	1.5	14
72	Determining inventory levels in a CONWIP controlled job shop. IIE Transactions, 2000, 32, 105-114.	2.1	35

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73	Determining inventory levels in a CONWIP controlled job shop. IIE Transactions, 2000, 32, 105-114.	2.1	6
74	RELATIVE RISK CHARACTERISTICS OF ROLLING HORIZON HEDGING HEURISTICS FOR CAPACITY EXPANSION. Engineering Economist, 2000, 45, 115-128.	0.3	4
75	Forecast frequency in rolling horizon hedging heuristics for capacity expansion. European Journal of Operational Research, 1998, 109, 550-558.	3.5	7
76	A renewal reward approximation for the variance of electric power production costs. IIE Transactions, 1997, 29, 435-440.	2.1	4
77	A renewal reward approximation for the variance of electric power production costs. IIE Transactions, 1997, 29, 435-440.	2.1	3
78	Effect of frequency and duration of generating unit outages on distribution of system production costs. IEEE Transactions on Power Systems, 1990, 5, 191-197.	4.6	27
79	Degeneracy in infinite horizon optimization. Mathematical Programming, 1989, 43, 305-316.	1.6	11
80	Student Selection Of Information Relevant To Solving Ill Structured Engineering Economic Decision Problems. , 0, , .		3
81	NRT-INFEWS: The DataFEWSion Traineeship Program for Innovations at the Nexus of Food Production, Renewable Energy, and Water Quality. , 0, , .		0