Stein W Wallace

List of Publications by Year
in descending order

87	4,506	159585 30	110387 64
papers	citations	h-index	g-index

87	87	87	2767
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generating Scenario Trees for Multistage Decision Problems. Management Science, 2001, 47, 295-307.	4.1	531
2	Big Data Analytics in Operations Management. Production and Operations Management, 2018, 27, 1868-1883.	3.8	481
3	Scenarios for Multistage Stochastic Programs. Annals of Operations Research, 2000, 100, 25-53.	4.1	380
4	A Heuristic for Moment-Matching Scenario Generation. Computational Optimization and Applications, 2003, 24, 169-185.	1.6	333
5	Service supply chain management: A review of operational models. European Journal of Operational Research, 2015, 247, 685-698.	5.7	261
6	Decision Making Under Uncertainty: Is Sensitivity Analysis of Any Use?. Operations Research, 2000, 48, 20-25.	1.9	157
7	A Study of Demand Stochasticity in Service Network Design. Transportation Science, 2009, 43, 144-157.	4.4	147
8	Modeling with Stochastic Programming. Springer Series in Operations Research, 2012, , .	1.4	145
9	Progressive hedgingâ€based metaheuristics for stochastic network design. Networks, 2011, 58, 114-124.	2.7	98
10	Synergy of smart grids and hybrid distributed generation on the value of energy storage. Applied Energy, 2016, 170, 476-488.	10.1	91
11	Distributionally robust multi-item newsvendor problems with multimodal demand distributions. Mathematical Programming, 2015, 152, 1-32.	2.4	87
12	Product variety arising from hedging in the fashion supply chains. International Journal of Production Economics, 2008, 114, 431-455.	8.9	86
13	Analyzing the quality of the expected value solution inÂstochastic programming. Annals of Operations Research, 2012, 200, 37-54.	4.1	77
14	The performance of stochastic dynamic and fixed mix portfolio models. European Journal of Operational Research, 2002, 140, 37-49.	5.7	71
15	Scrubber: A potentially overestimated compliance method for the Emission Control Areas. Transportation Research, Part D: Transport and Environment, 2017, 55, 51-66.	6.8	71
16	Sensitivity Analysis and Uncertainty in Linear Programming. Interfaces, 2003, 33, 53-60.	1.5	68
17	Stochastic service network design with rerouting. Transportation Research Part B: Methodological, 2014, 60, 50-65.	5.9	68
18	Solving stochastic programs with network recourse. Networks, 1986, 16, 295-317.	2.7	66

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19	Risk management and coordination in service supply chains: information, logistics and outsourcing. Journal of the Operational Research Society, 2016, 67, 159-164.	3.4	65
20	Stability analysis of portfolio management with conditional value-at-risk. Quantitative Finance, 2007, 7, 397-409.	1.7	63
21	Stochastic optimization models for a bike-sharing problem with transshipment. European Journal of Operational Research, 2019, 276, 272-283.	5.7	52
22	Can an Emission Trading Scheme really reduce CO2 emissions in the short term? Evidence from a maritime fleet composition and deployment model. Transportation Research, Part D: Transport and Environment, 2019, 74, 318-338.	6.8	50
23	Autonomous vessels: state of the art and potential opportunities in logistics. International Transactions in Operational Research, 2021, 28, 1706-1739.	2.7	46
24	Approximate scenario solutions in the progressive hedging algorithm. Annals of Operations Research, 1991, 31, 425-444.	4.1	44
25	Shape-based scenario generation using copulas. Computational Management Science, 2011, 8, 181-199.	1.3	43
26	A piecewise linear upper bound on the network recourse function. Mathematical Programming, 1987, 38, 133-146.	2.4	42
27	The value of electricity storage in domestic homes: a smart grid perspective. Energy Systems, 2014, 5, 211-232.	3.0	41
28	Uncertainty in Fleet Renewal: A Case from Maritime Transportation. Transportation Science, 2016, 50, 390-407.	4.4	40
29	Flexibility, information structure, options, and market power in robust supply chains. International Journal of Production Economics, 2011, 134, 284-288.	8.9	35
30	The impact of design uncertainty in engineer-to-order project planning. European Journal of Operational Research, 2017, 261, 1098-1109.	5.7	34
31	Improving project cost estimation by taking into account managerial flexibility. European Journal of Operational Research, 2000, 127, 239-251.	5.7	32
32	Preprocessing in Stochastic Programming: The Case of Linear Programs. ORSA Journal on Computing, 1992, 4, 45-59.	1.7	28
33	CORRELATIONS IN STOCHASTIC PROGRAMMING: A CASE FROM STOCHASTIC SERVICE NETWORK DESIGN. Asia-Pacific Journal of Operational Research, 2007, 24, 161-179.	1.3	26
34	Stochastic Network Design for Planning Scheduled Transportation Services: The Value of Deterministic Solutions. INFORMS Journal on Computing, 2019, 31, 153-170.	1.7	26
35	Modelling consumer-directed substitution. International Journal of Production Economics, 2011, 134, 388-397.	8.9	23
36	Solving Hierarchical Stochastic Programs: Application to the Maritime Fleet Renewal Problem. INFORMS Journal on Computing, 2015, 27, 89-102.	1.7	23

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37	Planning for charters: A stochastic maritime fleet composition and deployment problem. Omega, 2018, 79, 54-66.	5.9	23
38	Building Trust in Home Servicesâ€"Stochastic Team-Orienteering with Consistency Constraints. Transportation Science, 2020, 54, 823-838.	4.4	23
39	An electricity market game between consumers, retailers and network operators. Decision Support Systems, 2005, 40, 427-438.	5.9	22
40	Single source single-commodity stochastic network design. Computational Management Science, 2012, 9, 139-160.	1.3	22
41	Planning vessel air emission regulations compliance under uncertainty. Journal of Marine Science and Technology, 2013, 18, 349-357.	2.9	22
42	Stochastic programming and the option of doing itÂdifferently. Annals of Operations Research, 2010, 177, 3-8.	4.1	21
43	A two-echelon location-routing problem with synchronisation. Journal of the Operational Research Society, 2021, 72, 145-160.	3.4	21
44	Preprocessing in Stochastic Programming: The Case of Uncapacitated Networks. ORSA Journal on Computing, 1989, 1, 252-270.	1.7	19
45	Structural properties of the progressive hedging algorithm. Annals of Operations Research, 1991, 31, 445-455.	4.1	19
46	The impact of wind uncertainty on the strategic valuation of distributed electricity storage. Computational Management Science, 2016, 13, 5-27.	1.3	18
47	Investing in arcs in a network to maximize the expected max flow. Networks, 1987, 17, 87-103.	2.7	17
48	Option theory and modeling under uncertainty. Annals of Operations Research, 1998, 82, 59-82.	4.1	16
49	Refining bounds for stochastic linear programs with linearly transformed independent random variables. Operations Research Letters, 1986, 5, 73-77.	0.7	15
50	Integrated Facility Layout Design and Flow Assignment Problem Under Uncertainty. INFORMS Journal on Computing, 2014, 26, 798-808.	1.7	15
51	Solving many linear programs that differ only in the righthand side. European Journal of Operational Research, 1988, 37, 318-324.	5.7	14
52	Bounding the expected time-cost curve for a stochastic pert network from below. Operations Research Letters, 1989, 8, 89-94.	0.7	14
53	The facets of the polyhedral set determined by the Galeâ€"Hoffman inequalities. Mathematical Programming, 1993, 62, 215-222.	2.4	14
54	Modelling aspects of distributed processingin telecommunication networks. Annals of Operations Research, 1998, 82, 161-185.	4.1	14

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55	Which uncertainty is important in multistage stochastic programmes? A case from maritime transportation. IMA Journal of Management Mathematics, 2017, 28, 5-17.	1.6	14
56	Integrated maritime fuel management with stochastic fuel prices and new emission regulations. Journal of the Operational Research Society, 2019, 70, 707-725.	3.4	14
57	Dalton transfers, inequality and altruism. Social Choice and Welfare, 2004, 22, 447-465.	0.8	13
58	Single-commodity network design with random edge capacities. European Journal of Operational Research, 2012, 220, 394-403.	5.7	13
59	Vehicle Routing with Space- and Time-Correlated Stochastic Travel Times: Evaluating the Objective Function. INFORMS Journal on Computing, 2019, 31, 654-670.	1.7	13
60	Handling financial risks in crude oil imports: Taking into account crude oil prices as well as country and transportation risks. Transportation Research, Part E: Logistics and Transportation Review, 2020, 133, 101824.	7.4	13
61	Analyzing legal regulations in the Norwegian life insurance business using a multistage assetâ€“liability management model. European Journal of Operational Research, 2001, 134, 293-308.	5.7	12
62	Overcoming the (Apparent) Problem of Inconsistency in Origin-Destination Matrix Estimations. Transportation Science, 1993, 27, 374-380.	4.4	11
63	Preprocessing in Stochastic Programming: The Case of Capacitated Networks. ORSA Journal on Computing, 1995, 7, 44-62.	1.7	10
64	Single-Commodity Network Design with Stochastic Demand and Multiple Sources and Sinks. Infor, 2011, 49, 193-211.	0.6	10
65	Stochastic scheduled service network design in the presence of a spot market for excess capacity. EURO Journal on Transportation and Logistics, 2016, 5, 393-413.	2.2	10
66	Problem-driven scenario generation: an analytical approach for stochastic programs with tail risk measure. Mathematical Programming, 2022, 191, 141-182.	2.4	10
67	Soft clustering-based scenario bundling for a progressive hedging heuristic in stochastic service network design. Computers and Operations Research, 2021, 128, 105182.	4.0	10
68	Inequality comparisons when the populations differ in size. Journal of Economic Inequality, 2010, 8, 47-70.	3.5	8
69	Appraising redundancy in facility layout. International Journal of Production Research, 2016, 54, 665-679.	7.5	8
70	On scenario construction for stochastic shortest path problems in real road networks. Transportation Research, Part E: Logistics and Transportation Review, 2021, 152, 102410.	7.4	8
71	Operational benefits of autonomous vessels in logisticsâ€”A case of autonomous water-taxis in Bergen. Transportation Research, Part E: Logistics and Transportation Review, 2021, 154, 102456.	7.4	8
72	Pivoting rules and redundancy schemes in extreme point enumeration. BIT Numerical Mathematics, 1985, 25, 274-280.	2.0	7

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73	Bounding multi-stage stochastic programs from above. Mathematical Programming, 1993, 61, 111-129.	2.4	7
74	Solving linear programs with multiple right-hand sides: Pricing and ordering schemes. Annals of Operations Research, 1996, 64, 237-259.	4.1	7
75	Stochastic energy market equilibrium modeling with multiple agents. Energy, 2017, 134, 984-990.	8.8	7
76	Stochastic programs with binary distributions: structural properties of scenario trees and algorithms. Computational Management Science, 2018, 15, 397-410.	1.3	6
77	Stochastic multi-commodity network design: The quality of deterministic solutions. Operations Research Letters, 2017, 45, 266-268.	0.7	5
78	Scenario tree construction driven by heuristic solutions of the optimization problem. Computational Management Science, 2020, 17, 277-307.	1.3	5
79	The value of numerical models in quick response assortment planning. Production Planning and Control, 2011, 22, 221-236.	8.8	4
80	Challenges in apparel production planning and control. Production Planning and Control, 2011, 22, 209-209.	8.8	3
81	Scenario Generation for Single-Period Portfolio Selection Problems with Tail Risk Measures: Coping with High Dimensions and Integer Variables. INFORMS Journal on Computing, 2018, 30, 472-491.	1.7	3
82	Non-compliance in transit-based evacuation pick-up point assignments. Socio-Economic Planning Sciences, 2022, 82, 101259.	5.0	3
83	Editorial to the Special Issue on Transportation and Logistics with Autonomous Technologies. International Transactions in Operational Research, 2021, 28, 1619-1625.	2.7	2
84	Stochastic Second-Order Cone Programming in Mobile Ad-Hoc Networks: Sensitivity to Input Parameters. World Scientific Series in Finance, 2013, , 467-486.	0.3	1
85	Understanding the marginal distributions and correlations of link travel speeds in road networks. Scientific Reports, 2020, 10, 11821.	3.3	1
86	Introduction to the Special Section: Urban Freight Transportation and Logistics. Transportation Science, 2020, 54, 565-566.	4.4	0
87	Can an Emission Trading Scheme Really Reduce CO2 Emissions in the Short Term? Evidence from a Maritime Fleet Composition and Deployment Model. SSRN Electronic Journal, 0, , .	0.4	0