

Ruediger Schultz

List of Publications by Year in descending order

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52
papers

1,911
citations

293460

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docs citations

54
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	A pessimistic bilevel stochastic problem for elastic shape optimization. <i>Mathematical Programming</i> , 2023, 198, 1125-1151.	1.6	2
2	Recent advances in applied optimization under uncertainty. <i>Computational Management Science</i> , 2021, 18, 265-265.	0.8	0
3	Joint Model of Probabilistic-Robust (Probust) Constraints Applied to Gas Network Optimization. <i>Vietnam Journal of Mathematics</i> , 2020, 49, 1097.	0.4	3
4	On Risk-Averse Stochastic Semidefinite Programs with Continuous Recourse. <i>Vietnam Journal of Mathematics</i> , 2019, 47, 865-879.	0.4	0
5	Networks of pipelines for gas with nonconstant compressibility factor: stationary states. <i>Computational and Applied Mathematics</i> , 2018, 37, 1066-1097.	1.3	15
6	New Directions in Stochastic Optimisation. <i>Oberwolfach Reports</i> , 2018, 15, 2303-2384.	0.0	0
7	The stochastic programming heritage of Maarten van der Vlerk. <i>Computational Management Science</i> , 2018, 15, 319-323.	0.8	1
8	Strong convexity in risk-averse stochastic programs with complete recourse. <i>Computational Management Science</i> , 2018, 15, 411-429.	0.8	1
9	Stochastic Dominance Constraints in Elastic Shape Optimization. <i>SIAM Journal on Control and Optimization</i> , 2018, 56, 3021-3034.	1.1	7
10	On the quantification of nomination feasibility in stationary gas networks with random load. <i>Mathematical Methods of Operations Research</i> , 2016, 84, 427-457.	0.4	38
11	Quantitative solutions for future energy systems and markets. <i>OR Spectrum</i> , 2016, 38, 541-543.	2.1	1
12	A Convex Approximation for Two-Stage Mixed-Integer Recourse Models with a Uniform Error Bound. <i>SIAM Journal on Optimization</i> , 2016, 26, 426-447.	1.2	15
13	Editorial, Volume 12, Issue 4, 2015. <i>Computational Management Science</i> , 2015, 12, 489-490.	0.8	0
14	Validation of nominations in gas network optimization: models, methods, and solutions. <i>Optimization Methods and Software</i> , 2015, 30, 15-53.	1.6	84
15	Computations in stochastic programming. <i>Computational Management Science</i> , 2015, 12, 219-220.	0.8	0
16	Mathematical optimization for challenging network planning problems in unbundled liberalized gas markets. <i>Energy Systems</i> , 2014, 5, 449-473.	1.8	31
17	Risk averse elastic shape optimization with parametrized fine scale geometry. <i>Mathematical Programming</i> , 2013, 141, 383-403.	1.6	10
18	Risk Averse Shape Optimization. <i>SIAM Journal on Control and Optimization</i> , 2011, 49, 927-947.	1.1	27

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19	A note on second-order stochastic dominance constraints induced by mixed-integer linear recourse. <i>Mathematical Programming</i> , 2011, 126, 179-190.	1.6	55
20	An algorithm for stochastic programs with first-order dominance constraints induced by linear recourse. <i>Discrete Applied Mathematics</i> , 2010, 158, 291-297.	0.5	11
21	Risk aversion for an electricity retailer with second-order stochastic dominance constraints. <i>Computational Management Science</i> , 2009, 6, 233-250.	0.8	21
22	Preface on CTW 2006. <i>Mathematical Methods of Operations Research</i> , 2009, 69, 203-204.	0.4	0
23	Risk neutral and risk averse power optimization in electricity networks with dispersed generation. <i>Mathematical Methods of Operations Research</i> , 2009, 69, 353-367.	0.4	7
24	Shape Optimization Under Uncertainty – A Stochastic Programming Perspective. <i>SIAM Journal on Optimization</i> , 2009, 19, 1610-1632.	1.2	62
25	Stochastic Programs with First-Order Dominance Constraints Induced by Mixed-Integer Linear Recourse. <i>SIAM Journal on Optimization</i> , 2008, 19, 552-571.	1.2	61
26	A branch-and-bound method for multistage stochastic integer programs with risk objectives. <i>Optimization</i> , 2008, 57, 277-293.	1.0	4
27	Two-Stage Stochastic Programs with Mixed Probabilities. <i>SIAM Journal on Optimization</i> , 2007, 18, 778-788.	1.2	5
28	Conditional Value-at-Risk in Stochastic Programs with Mixed-Integer Recourse. <i>Mathematical Programming</i> , 2006, 105, 365-386.	1.6	137
29	Unit commitment in electricity pool markets. <i>Mathematical Programming</i> , 2006, 108, 313-337.	1.6	24
30	On deviation measures in stochastic integer programming. <i>Operations Research Letters</i> , 2005, 33, 441-449.	0.5	23
31	A Stochastic Integer Programming Model for Incorporating Day-Ahead Trading of Electricity into Hydro-Thermal Unit Commitment. <i>Optimization and Engineering</i> , 2005, 6, 163-176.	1.3	59
32	Aggregated Scheduling of a Multiproduct Batch Plant by Two-Stage Stochastic Integer Programming. <i>Optimization and Engineering</i> , 2004, 5, 335-359.	1.3	31
33	Applying the Minimum Risk Criterion in Stochastic Recourse Programs. <i>Computational Optimization and Applications</i> , 2003, 24, 267-287.	0.9	26
34	Stochastic programming with integer variables. <i>Mathematical Programming</i> , 2003, 97, 285-309.	1.6	136
35	Risk Aversion via Excess Probabilities in Stochastic Programs with Mixed-Integer Recourse. <i>SIAM Journal on Optimization</i> , 2003, 14, 115-138.	1.2	69
36	Stochastic Integer Programming. <i>Handbooks in Operations Research and Management Science</i> , 2003, 10, 213-266.	0.6	50

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37	A hierarchical approach to real-time scheduling of a multiproduct batch plant with uncertainties. Computer Aided Chemical Engineering, 2000, 8, 1075-1080.	0.3	2
38	Unit commitment in power generation – a basic model and some extensions. Annals of Operations Research, 2000, 96, 167-189.	2.6	61
39	Some Aspects of Stability in Stochastic Programming. Annals of Operations Research, 2000, 100, 55-84.	2.6	31
40	Dual decomposition in stochastic integer programming. Operations Research Letters, 1999, 24, 37-45.	0.5	403
41	Solving stochastic programs with integer recourse by enumeration: A framework using Gröbner basis. Mathematical Programming, 1998, 83, 229-252.	1.6	53
42	On the Glivenko-Cantelli problem in stochastic programming: Mixed-integer linear recourse. Mathematical Methods of Operations Research, 1998, 47, 39-49.	0.4	4
43	On the Glivenko-Cantelli Problem in Stochastic Programming: Linear Recourse and Extensions. Mathematics of Operations Research, 1998, 23, 204-220.	0.8	14
44	Rates of Convergence in Stochastic Programs with Complete Integer Recourse. SIAM Journal on Optimization, 1996, 6, 1138-1152.	1.2	39
45	Lipschitz Stability for Stochastic Programs with Complete Recourse. SIAM Journal on Optimization, 1996, 6, 531-547.	1.2	31
46	A simple recourse model for power dispatch under uncertain demand. Annals of Operations Research, 1995, 59, 135-164.	2.6	12
47	Strong convexity in stochastic programs with complete recourse. Journal of Computational and Applied Mathematics, 1994, 56, 3-22.	1.1	13
48	A new approach to stochastic linear programming. Numerical Functional Analysis and Optimization, 1993, 14, 545-554.	0.6	1
49	Continuity Properties of Expectation Functions in Stochastic Integer Programming. Mathematics of Operations Research, 1993, 18, 578-589.	0.8	56
50	Stability of Solutions for Stochastic Programs with Complete Recourse. Mathematics of Operations Research, 1993, 18, 590-609.	0.8	35
51	Stability analysis for stochastic programs. Annals of Operations Research, 1991, 30, 241-266.	2.6	87
52	Distribution sensitivity in stochastic programming. Mathematical Programming, 1991, 50, 197-226.	1.6	53