PaweÅ, ZieliÅ„ski

List of Publications by Year
in descending order

77 papers	1,359 citations	361045 20 h-index	360668 35 g-index
83 all docs	83 docs citations	83 times ranked	576 citing authors

#	Article	IF	Citations
1	Distributionally robust possibilistic optimization problems. Fuzzy Sets and Systems, 2023, 454, 56-73.	1.6	2
2	Robust two-stage combinatorial optimization problems under convex second-stage cost uncertainty. Journal of Combinatorial Optimization, 2022, 43, 497-527.	0.8	1
3	Combinatorial two-stage minmax regret problems under interval uncertainty. Annals of Operations Research, 2021, 300, 23-50.	2.6	3
4	Robust Possibilistic Optimization with Copula Function. , 2021, , .		1
5	Robust optimization with scenarios using random fuzzy sets. , 2021, , .		2
6	Distributionally Robust Optimization in Possibilistic Setting. , 2021, , .		2
7	Soft robust solutions to possibilistic optimization problems. Fuzzy Sets and Systems, 2021, 422, 130-148.	1.6	4
8	Two-stage combinatorial optimization problems under risk. Theoretical Computer Science, 2020, 804, 29-45.	0.5	4
9	Robust Possibilistic Production Planning Under Budgeted Demand Uncertainty. , 2020, , .		1
10	Approximating combinatorial optimization problems with the ordered weighted averaging criterion. European Journal of Operational Research, 2020, 286, 828-838.	3.5	9
11	Softening the Robustness of Optimization Problems: A New Budgeted Uncertainty Approach. Communications in Computer and Information Science, 2020, , 187-200.	0.4	2
12	Solving Robust Two-Stage Combinatorial Optimization Problems Under Convex Uncertainty. Operations Research Proceedings: Papers of the Annual Meeting = VortrÃge Der Jahrestagung / DGOR, 2020, , 423-429.	0.1	1
13	Risk-averse single machine scheduling: complexity and approximation. Journal of Scheduling, 2019, 22, 567-580.	1.3	10
14	A (Soft) Robustness for Possibilistic Optimization Problems. , 2019, , .		1
15	Robust recoverable 0â€“1 optimization problems under polyhedral uncertainty. European Journal of Operational Research, 2019, 278, 136-148.	3.5	0
16	On recoverable and two-stage robust selection problems with budgeted uncertainty. European Journal of Operational Research, 2018, 265, 423-436.	3.5	21
17	Risk Averse Scheduling with Scenarios. Operations Research Proceedings: Papers of the Annual Meeting = VortrÃge Der Jahrestagung / DGOR, 2018, , 435-441.	0.1	1
18	The recoverable robust spanning tree problem with interval costs is polynomially solvable. Optimization Letters, 2017, 11, 17-30.	0.9	11

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19	Recoverable robust spanning tree problem under interval uncertainty representations. Journal of Combinatorial Optimization, 2017, 34, 554-573.	0.8	10
20	Robust Two-Stage Network Problems. Operations Research Proceedings: Papers of the Annual Meeting = VortrÃge Der Jahrestagung / DGOR, 2017, , 35-40.	0.1	3
21	Robust recoverable and two-stage selection problems. Discrete Applied Mathematics, 2017, 233, 52-64.	0.5	17
22	Robust material requirement planning with cumulative demand under uncertainty. International Journal of Production Research, 2017, 55, 6824-6845.	4.9	17
23	A robust approach to a class of uncertain optimization problems with imprecise probabilities. , 2016, , .		2
24	Using the WOWA operator in robust discrete optimization problems. International Journal of Approximate Reasoning, 2016, 68, 54-67.	1.9	6
25	Robust Discrete Optimization Under Discrete and Interval Uncertainty: A Survey. Profiles in Operations Research, 2016, , 113-143.	0.3	29
26	Single machine scheduling problems with uncertain parameters and the OWA criterion. Journal of Scheduling, 2016, 19, 177-190.	1.3	14
27	Robust Single Machine Scheduling Problem with Weighted Number of Late Jobs Criterion. Operations Research Proceedings: Papers of the Annual Meeting = VortrÃge Der Jahrestagung / DGOR, 2016, , 279-284.	0.1	2
28	Robust Discrete Optimization Problems with the WOWA Criterion. Operations Research Proceedings: Papers of the Annual Meeting = VortrÃge Der Jahrestagung / DGOR, 2016, , 271-277.	0.1	2
29	Complexity of the robust weighted independent set problems on interval graphs. Optimization Letters, 2015, 9, 427-436.	0.9	6
30	On iterative algorithms for the polar decomposition of a matrix and the matrix sign function. Applied Mathematics and Computation, 2015, 270, 483-495.	1.4	2
31	Combinatorial optimization problems with uncertain costs and the OWA criterion. Theoretical Computer Science, 2015, 565, 102-112.	0.5	18
32	Approximability of the robust representatives selection problem. Operations Research Letters, 2015, 43, 16-19.	0.5	9
33	Recoverable Robust Combinatorial Optimization Problems. Operations Research Proceedings: Papers of the Annual Meeting = VortrÃge Der Jahrestagung / DGOR, 2014, , 147-153.	0.1	4
34	Sequencing Problems with Uncertain Parameters and the OWA Criterion. Operations Research Proceedings: Papers of the Annual Meeting = VortrÃge Der Jahrestagung / DGOR, 2014, , 223-229.	0.1	0
35	Robust production plan with periodic order quantity under uncertain cumulative demands. , 2013, , .		1
36	Bottleneck combinatorial optimization problems with uncertain costs and the OWA criterion. Operations Research Letters, 2013, 41, 639-643.	0.5	8

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37	Approximating the minâ€“max (regret) selecting items problem. Information Processing Letters, 2013, 113, 23-29.	0.4	24
38	A robust lot sizing problem with ill-known demands. Fuzzy Sets and Systems, 2012, 206, 39-57.	1.6	10
39	A tabu search algorithm for the minmax regret minimum spanning tree problem with interval data. Journal of Heuristics, 2012, 18, 593-625.	1.1	20
40	Approximating a two-machine flow shop scheduling under discrete scenario uncertainty. European Journal of Operational Research, 2012, 217, 36-43.	3.5	53
41	Decision Making under Scenario Uncertainty in a Requirement Planning. Communications in Computer and Information Science, 2012, , 104-113.	0.4	2
42	Parallel Machine Scheduling under Uncertainty. Communications in Computer and Information Science, 2012, , 74-83.	0.4	6
43	Min-max and two-stage possibilistic combinatorial optimization problems. , 2011, , .		0
44	Production planning with uncertain demands. , 2011, , .		1
45	Possibilistic Minmax Regret Sequencing Problems With Fuzzy Parameters. IEEE Transactions on Fuzzy Systems, 2011, 19, 1072-1082.	6.5	14
46	Possibilistic bottleneck combinatorial optimization problems with ill-known weights. International Journal of Approximate Reasoning, 2011, 52, 1298-1311.	1.9	2
47	On the approximability of robust spanning tree problems. Theoretical Computer Science, 2011, 412, 365-374.	0.5	26
48	Criticality analysis of activity networks under interval uncertainty. Journal of Scheduling, 2010, 13, 609-627.	1.3	30
49	Minmax regret approach and optimality evaluation in combinatorial optimization problems with interval and fuzzy weights. European Journal of Operational Research, 2010, 200, 680-687.	3.5	24
50	Interval PERT and Its Fuzzy Extension. Studies in Fuzziness and Soft Computing, 2010, , 171-199.	0.6	5
51	Computing Min-Max Regret Solutions in Possibilistic Combinatorial Optimization Problems. Studies in Fuzziness and Soft Computing, 2010, , 287-312.	0.6	1
52	A randomized algorithm for the min-max selecting items problem with uncertain weights. Annals of Operations Research, 2009, 172, 221-230.	2.6	13
53	Some methods for evaluating the optimality of elements in matroids with ill-known weights. Fuzzy Sets and Systems, 2009, 160, 1341-1354.	1.6	8
54	On the approximability of minmax (regret) network optimization problems. Information Processing Letters, 2009, 109, 262-266.	0.4	26

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55	A 2-approximation algorithm for interval data minmax regret sequencing problems with the total flow time criterion. Operations Research Letters, 2008, 36, 343-344.	0.5	42
56	On Possibilistic Combinatorial Optimization Problems. , 2008, , .		2
57	Solving Combinatorial Optimization Problems with Fuzzy Weights. , 2008, , .		1
58	Determining Unfuzzy Nondominated Solutions in Combinatorial Optimization Problems with Fuzzy Costs. , 2007, , .		0
59	On combinatorial optimization problems on matroids with uncertain weights. European Journal of Operational Research, 2007, 177, 851-864.	3.5	27
60	On the existence of an FPTAS for minmax regret combinatorial optimization problems with interval data. Operations Research Letters, 2007, 35, 525-532.	0.5	19
61	Using Gradual Numbers for Solving Fuzzy-Valued Combinatorial Optimization Problems. Lecture Notes in Computer Science, 2007, , 656-665.	1.0	16
62	Random Subsets of the Interval and P2P Protocols. Lecture Notes in Computer Science, 2007, , 409-421.	1.0	5
63	An approximation algorithm for interval data minmax regret combinatorial optimization problems. Information Processing Letters, 2006, 97, 177-180.	0.4	100
64	The robust shortest path problem in seriesâ€“parallel multidigraphs with interval data. Operations Research Letters, 2006, 34, 69-76.	0.5	41
65	On computing the latest starting times and floats of activities in a network with imprecise durations. Fuzzy Sets and Systems, 2005, 150, 53-76.	1.6	62
66	Interval Analysis in Scheduling. Lecture Notes in Computer Science, 2005, , 226-240.	1.0	13
67	The computational complexity of the relative robust shortest path problem with interval data. European Journal of Operational Research, 2004, 158, 570-576.	3.5	72
68	On the hardness of evaluating criticality of activities in a planar network with duration intervals. Operations Research Letters, 2003, 31, 53-59.	0.5	32
69	On the sure criticality of tasks in activity networks with imprecise durations. IEEE Transactions on Systems, Man, and Cybernetics, 2002, 32, 393-407.	5.5	74
70	The computational complexity of the criticality problems in a network with interval activity times. European Journal of Operational Research, 2002, 136, 541-550.	3.5	80
71	Criticality in the Network with Imprecise Activity Times. Studies in Fuzziness and Soft Computing, 2002, , 71-84.	0.6	0
72	Critical path analysis in the network with fuzzy activity times. Fuzzy Sets and Systems, 2001, 122, 195-204.	1.6	176

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73	On the equivalence of two optimization methods for fuzzy linear programming problems. European Journal of Operational Research, 2000, 121, 56-63.	3.5	54
74	Ranking fuzzy interval numbers in the setting of random sets â€“ further results. Information Sciences, 1999, 117, 191-200.	4.0	26
75	The polar decompositionâ€” properties, applications and algorithms. Mathematica Applicanda, 1995, 24, .	0.2	6
76	Robust inventory problem with budgeted cumulative demand uncertainty. Optimization Letters, 0, , 1.	0.9	0
77	Solving Robust Production Planning Problem with Interval Budgeted Uncertainty in Cumulative Demands. Vietnam Journal of Computer Science, 0, , 1-12.	1.0	0