Andrea Raith

List of Publications by Year
in descending order

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33	658	687363 13	580821 25
papers	citations	h-index	g-index

35	35	35	632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comparison of solution strategies for biobjective shortest path problems. Computers and Operations Research, 2009, 36, 1299-1331.	4.0	157
2	A bi-objective cyclist route choice model. Transportation Research, Part A: Policy and Practice, 2012, 46, 652-663.	4.2	58
3	Bi-objective robust optimisation. European Journal of Operational Research, 2016, 252, 418-431.	5.7	48
4	A framework for and empirical study of algorithms for traffic assignment. Computers and Operations Research, 2015, 54, 90-107.	4.0	45
5	A Dijkstra-like method computing all extreme supported non-dominated solutions of the biobjective shortest path problem. Computers and Operations Research, 2015, 57, 83-94.	4.0	44
6	A two-phase algorithm for the biobjective integer minimum cost flow problem. Computers and Operations Research, 2009, 36, 1945-1954.	4.0	38
7	Multiobjective Optimization for Maintenance Decision Making in Infrastructure Asset Management. Journal of Management in Engineering - ASCE, 2015, 31, .	4.8	31
8	A matheuristic approach to solve the multiobjective beam angle optimization problem in intensityâ€modulated radiation therapy. International Transactions in Operational Research, 2018, 25, 243-268.	2.7	30
9	Solving multi-objective traffic assignment. Annals of Operations Research, 2014, 222, 483-516.	4.1	25
10	Pareto local search algorithms for the multi-objective beam angle optimisation problem. Journal of Heuristics, 2018, 24, 205-238.	1.4	22
11	A bi-objective column generation algorithm for the multi-commodity minimum cost flow problem. European Journal of Operational Research, 2015, 244, 369-378.	5.7	18
12	Multi-objective minmax robust combinatorial optimization with cardinality-constrained uncertainty. European Journal of Operational Research, 2018, 267, 628-642.	5.7	18
13	Quality assessment for VMAT prostate radiotherapy planning based on data envelopment analysis. Physics in Medicine and Biology, 2013, 58, 5753-5769.	3.0	13
14	Extensions of labeling algorithms for multiâ€objective uncertain shortest path problems. Networks, 2018, 72, 84-127.	2.7	13
15	Tolling Analysis with Bi-objective Traffic Assignment. Lecture Notes in Economics and Mathematical Systems, 2010, , 117-129.	0.3	13
16	Non-additive shortest path in the context of traffic assignment. European Journal of Operational Research, 2018, 268, 325-338.	5.7	11
17	On Vector Equilibria, Vector Optimization and Vector Variational Inequalities. Journal of Multi-Criteria Decision Analysis, 2011, 18, 39-54.	1.9	9
18	A simulation and optimisation package for emergency medical services. European Journal of Operational Research, 2022, 298, 1101-1113.	5.7	9

#	Article	IF	Citations
19	Considerations for using data envelopment analysis for the assessment of radiotherapy treatment plan quality. International Journal of Health Care Quality Assurance, 2017, 30, 703-716.	0.9	7
20	Development of a Bridge Deterioration Model in a Data-Constrained Environment. Journal of Performance of Constructed Facilities, 2017, 31, 04017080.	2.0	7
21	A multiobjective optimization approach to compute the efficient frontier in data envelopment analysis. Journal of Multi-Criteria Decision Analysis, 2019, 26, 187-198.	1.9	7
22	Humidification mitigates acute mucosal toxicity during radiotherapy when factoring volumetric parameters. Trans Tasman Radiation Oncology Group (TROG) RadioHUM 07.03 substudy. Oral Oncology, 2017, 75, 75-80.	1.5	6
23	Bi-objective optimisation over a set of convex sub-problems. Annals of Operations Research, 2022, 319, 1507-1532.	4.1	6
24	Integrating Data Envelopment Analysis into radiotherapy treatment planning for head and neck cancer patients. European Journal of Operational Research, 2022, 296, 289-303.	5.7	6
25	Integrating column generation in a method to compute a discrete representation of the non-dominated set of multi-objective linear programmes. 4or, 2017, 15, 331-357.	1.6	5
26	Minimising emissions in traffic assignment with non-monotonic arc costs. Transportation Research Part B: Methodological, 2021, 153, 70-90.	5.9	4
27	Numerical stability of path-based algorithms for traffic assignment. Optimization Methods and Software, 2016, 31, 53-67.	2.4	3
28	Finding extreme supported solutions of biobjective network flow problems: An enhanced parametric programming approach. Computers and Operations Research, 2017, 82, 153-166.	4.0	2
29	Columnwise neighborhood search: A novel set partitioning matheuristic and its application to the <scp>VeRoLog</scp> Solver Challenge 2019. Networks, 2020, 76, 273-293.	2.7	1
30	Enforcing fuel-optimal traffic patterns. EURO Journal on Transportation and Logistics, 2021, 10, 100060.	2.2	1
31	Initializing the Traffic Assignment Problem by Zone Aggregation and Disaggregation. Transportation Research Record, 2014, 2466, 52-57.	1.9	0
32	Humidification Mitigates Mucosal Toxicity During Head and Neck Cancer Radiation Therapy When Factoring Radiation Therapy Dosimetric Parameters: Trans-Tasman Radiation Oncology Group (TROG) 07.03 Substudy. International Journal of Radiation Oncology Biology Physics, 2016, 96, E327-E328.	0.8	0
33	OC-0311 Integrating data envelopment analysis into radiotherapy treatment planning for head and neck cancer. Radiotherapy and Oncology, 2021, 161, S220-S221.	0.6	0