Roberto Aringhieri

List of Publications by Year
in descending order

54 papers	1,221 citations	430442 18 h-index	395343 33 g-index
60 all docs	60 docs citations	60 times ranked	908 citing authors

#	Article	IF	Citations
1	Emergency medical services and beyond: Addressing new challenges through a wide literature review. Computers and Operations Research, 2017, 78, 349-368.	2.4	207
2	A two level metaheuristic for the operating room scheduling and assignment problem. Computers and Operations Research, 2015, 54, 21-34.	2.4	119
3	Fuzzy techniques for trust and reputation management in anonymous peer-to-peer systems. Journal of the Association for Information Science and Technology, 2006, 57, 528-537.	2.6	93
4	A hybrid optimization algorithm for surgeries scheduling. Operations Research for Health Care, 2016, 8, 103-114.	0.8	64
5	Title is missing!. Annals of Operations Research, 2003, 120, 173-199.	2.6	57
6	A general Evolutionary Framework for different classes of Critical Node Problems. Engineering Applications of Artificial Intelligence, 2016, 55, 128-145.	4.3	52
7	Supporting decision making to improve the performance of an Italian Emergency Medical Service. Annals of Operations Research, 2016, 236, 131-148.	2.6	48
8	Local search metaheuristics for the critical node problem. Networks, 2016, 67, 209-221.	1.6	42
9	Comparing local search metaheuristics for the maximum diversity problem. Journal of the Operational Research Society, 2011, 62, 266-280.	2.1	39
10	Hybrid constructive heuristics for the critical node problem. Annals of Operations Research, 2016, 238, 637-649.	2.6	34
11	Tabu Search versus GRASP for the maximum diversity problem. 4or, 2008, 6, 45-60.	1.0	31
12	An online optimization approach for the Real Time Management of operating rooms. Operations Research for Health Care, 2015, 7, 40-51.	0.8	27
13	Assigning surgery cases to operating rooms: A VNS approach for leveling ward beds occupancies. Electronic Notes in Discrete Mathematics, 2015, 47, 173-180.	0.4	25
14	An ad hoc process mining approach to discover patient paths of an Emergency Department. Flexible Services and Manufacturing Journal, 2020, 32, 6-34.	1.9	24
15	An asymmetric vehicle routing problem arising in the collection and disposal of special waste. Electronic Notes in Discrete Mathematics, 2004, 17, 41-47.	0.4	23
16	Comparing Metaheuristic Algorithms for Sonet Network Design Problems. Journal of Heuristics, 2005, 11, 35-57.	1.1	21
17	Composing medical crews with equity and efficiency. Central European Journal of Operations Research, 2009, 17, 343-357.	1.1	20
18	Construction and improvement algorithms for dispersion problems. European Journal of Operational Research, 2015, 242, 21-33.	3.5	19

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19	Combining workload balance and patient priority maximisation in operating room planning through hierarchical multi-objective optimisation. European Journal of Operational Research, 2022, 298, 627-643.	3.5	17
20	The management of non-elective patients: shared vs. dedicated policies. Omega, 2019, 83, 199-212.	3.6	16
21	VNS solutions for the Critical Node Problem. Electronic Notes in Discrete Mathematics, 2015, 47, 37-44.	0.4	15
22	A Special Vehicle Routing Problem Arising in the Optimization of Waste Disposal: A Real Case. Transportation Science, 2018, 52, 277-299.	2.6	15
23	A Linear Algorithm for the Hyper-Wiener Index of Chemical Trees. Journal of Chemical Information and Computer Sciences, 2001, 41, 958-963.	2.8	14
24	Polynomial and pseudo-polynomial time algorithms for different classes of the Distance Critical Node Problem. Discrete Applied Mathematics, 2019, 253, 103-121.	0.5	14
25	Assessing efficiency of trust management in peer-to-peer systems. , 2005, , .		12
26	Modeling the rational behavior of individuals on an e-commerce system. Operations Research Perspectives, 2018, 5, 22-31.	1.2	12
27	Fairness in ambulance routing for post disaster management. Central European Journal of Operations Research, 2022, 30, 189-211.	1.1	11
28	The Real Time Management of Operating Rooms. Profiles in Operations Research, 2018, , 55-79.	0.3	10
29	Chemical trees enumeration algorithms. 4or, 2003, 1, 67.	1.0	9
30	An integrated DE and AB simulation model for EMS management. , 2010, , .		9
31	Simple but effective heuristics for the 2-constraint bin packing problem. Journal of Heuristics, 2018, 24, 345-357.	1.1	9
32	The Multicommodity Multilevel Bottleneck Assignment Problem. Electronic Notes in Discrete Mathematics, 2004, 17, 35-40.	0.4	8
33	Optimal solutions for the balanced minimum evolution problem. Computers and Operations Research, 2011, 38, 1845-1854.	2.4	8
34	A Genetic Algorithm for a class of Critical Node Problems. Electronic Notes in Discrete Mathematics, 2016, 52, 359-366.	0.4	8
35	A SIMULATION AND ONLINE OPTIMIZATION APPROACH FOR THE REAL-TIME MANAGEMENT OF AMBULANCES. , 2018, , .		8
36	Solving Chance-Constrained Programs Combining Tabu Search and Simulation. Lecture Notes in Computer Science, 2004, , 30-41.	1.0	7

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37	A branch-price-and-cut algorithm for the minimum evolution problem. European Journal of Operational Research, 2015, 244, 753-765.	3.5	7
38	The Optimization of a Surgical Clinical Pathway. Advances in Intelligent Systems and Computing, 2015, , 313-331.	0.5	6
39	Evaluating the Dispatching Policies for a Regional Network of Emergency Departments Exploiting Health Care Big Data. Lecture Notes in Computer Science, 2018, , 549-561.	1.0	6
40	A preliminary analysis of the Distance Based Critical Node Problem. Electronic Notes in Discrete Mathematics, 2016, 55, 25-28.	0.4	5
41	Mining the Patient Flow Through an Emergency Department to Deal with Overcrowding. Springer Proceedings in Mathematics and Statistics, 2017, , 49-59.	0.1	5
42	Introduction to the special issue: Management Science in the Fight Against Covid-19. Health Care Management Science, 2021, 24, 251-252.	1.5	4
43	Solution of the SONET Ring Assignment Problem with Capacity Constraints. , 2005, , 93-116.		3
44	Workforce management based on forecasted demand. Profiles in Operations Research, 2012, , 1-11.	0.3	3
45	Pattern-Based Online Algorithms for a General Patient-Centred Radiotherapy Scheduling Problem. Springer Proceedings in Mathematics and Statistics, 2020, , 251-262.	0.1	3
46	A Hybrid Model for the Analysis of a Surgical Pathway. , 2014, , .		2
47	Patientâ€“Centred Objectives as an Alternative to Maximum Utilisation: Comparing Surgical Case Solutions. Springer Proceedings in Mathematics and Statistics, 2017, , 105-112.	0.1	2
48	A Hierarchical Multi-objective Optimisation Model for Bed Levelling and Patient Priority Maximisation. Springer Proceedings in Mathematics and Statistics, 2017, , 113-120.	0.1	2
49	ESI XXXI: OR applied to health in a modern world. Health Systems, 2016, 5, 163-165.	0.9	1
50	Integrating Mental Health into a Primary Care System: A Hybrid Simulation Model. AIRO Springer Series, 2018, , 55-63.	0.4	1
51	Central European journal of operations research (CJOR) â€œoperations research applied to health services (ORAHS) in Europe: general trends and ORAHS 2020 conference in Vienna, Austriaâ€• Central European Journal of Operations Research, 2022, 30, 1-18.	1.1	1
52	The Connected Critical Node Problem. Theoretical Computer Science, 2022, 923, 235-255.	0.5	1
53	Ex post evaluation of an operating theatre. Electronic Notes in Discrete Mathematics, 2018, 69, 157-164.	0.4	0
54	Petri Nets Validation of Markovian Models of Emergency Department Arrivals. Lecture Notes in Computer Science, 2020, , 219-238.	1.0	0