Edward Wasil

List of Publications by Year
in descending order

38 papers	905 citations	516710 16 h-index	477307 29 g-index
38 all docs	38 docs citations	38 times ranked	822 citing authors

#	Article	IF	Citations
1	A library of local search heuristics for the vehicle routing problem. Mathematical Programming Computation, 2010, 2, 79-101.	4.8	125
2	An improved heuristic for the period vehicle routing problem. Networks, 1995, 26, 25-44.	2.7	116
3	The split delivery vehicle routing problem: Applications, algorithms, test problems, and computational results. Networks, 2007, 49, 318-329.	2.7	87
4	The multi-depot split delivery vehicle routing problem: An integer programming-based heuristic, new test problems, and computational results. Computers and Industrial Engineering, 2011, 61, 794-804.	6.3	78
5	The split delivery vehicle routing problem with minimum delivery amounts. Transportation Research, Part E: Logistics and Transportation Review, 2010, 46, 612-626.	7.4	53
6	Estimating the length of the optimal TSP tour: An empirical study using regression and neural networks. Computers and Operations Research, 1995, 22, 1039-1046.	4.0	51
7	Reducing Boarding in a Postâ€Anesthesia Care Unit. Production and Operations Management, 2011, 20, 431-441.	3.8	40
8	A Computational Study Of A New Heuristic For The Site-Dependent Vehicle Routing Problem. Infor, 1999, 37, 319-336.	0.6	35
9	A novel approach to solve the split delivery vehicle routing problem. International Transactions in Operational Research, 2017, 24, 27-41.	2.7	35
10	Improved Heuristics for the Minimum Label Spanning Tree Problem. IEEE Transactions on Evolutionary Computation, 2006, 10, 700-703.	10.0	29
11	Plowing with precedence: A variant of the windy postman problem. Computers and Operations Research, 2013, 40, 1047-1059.	4.0	27
12	The minâ€“max split delivery multi-depot vehicle routing problem with minimum service time requirement. Computers and Operations Research, 2016, 71, 110-126.	4.0	23
13	The hierarchical traveling salesman problem. Optimization Letters, 2013, 7, 1517-1524.	1.6	20
14	Drivers of ED efficiency: a statistical and cluster analysis of volume, staffing, and operations. American Journal of Emergency Medicine, 2016, 34, 155-161.	1.6	19
15	A Steiner Zone Variable Neighborhood Search Heuristic for the Close-Enough Traveling Salesman Problem. Computers and Operations Research, 2019, 101, 200-219.	4.0	19
16	The min-max multi-depot vehicle routing problem: heuristics and computational results. Journal of the Operational Research Society, 2015, 66, 1430-1441.	3.4	17
17	Partitioning a street network into compact, balanced, and visually appealing routes. Networks, 2017, 69, 290-303.	2.7	16
18	The balanced billing cycle vehicle routing problem. Networks, 2009, 54, 243-254.	2.7	12

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19	A worst-case analysis for the split delivery vehicle routing problem with minimum delivery amounts. Optimization Letters, 2013, 7, 1597-1609.	1.6	10
20	The impact of electronic health record implementation on emergency physician efficiency and patient throughput. Healthcare, 2014, 2, 201-204.	1.3	10
21	Impact of Health Policy Changes on Emergency Medicine in Maryland Stratified by Socioeconomic Status. Western Journal of Emergency Medicine, 2017, 18, 356-365.	1.1	10
22	On the road to better routes: Five decades of published research on the vehicle routing problem. Networks, 2021, 77, 66-87.	2.7	9
23	Exploring the effects of network structure and healthcare worker behavior on the transmission of hospital-acquired infections. IIE Transactions on Healthcare Systems Engineering, 2012, 2, 259-273.	0.8	7
24	Predicting prostate cancer risk using magnetic resonance imaging data. Information Systems and E-Business Management, 2015, 13, 599-608.	3.7	7
25	An Open-Source Desktop Application for Generating Arc-Routing Benchmark Instances. INFORMS Journal on Computing, 2018, 30, 361-370.	1.7	7
26	A two-stage solution approach for the Directed Rural Postman Problem with Turn Penalties. European Journal of Operational Research, 2019, 272, 754-765.	5.7	7
27	A dynamic patient network model of hospital-acquired infections. , 2010, , .		6
28	An application of factorial design to compare the relative effectiveness of hospital infection control measures. , 2011, , .		6
29	Impact of Global Budget Revenue Policy on Emergency Department Efficiency in the State of Maryland. Western Journal of Emergency Medicine, 2019, 20, 885-992.	1.1	5
30	Operations research models and methods in the screening, detection, and treatment of prostate cancer: A categorized, annotated review. Operations Research for Health Care, 2016, 8, 9-21.	1.2	4
31	Optimizing throughput of a multi-room proton therapy treatment center via simulation. , 2013, , .		3
32	Estimating the Tour Length for the Close Enough Traveling Salesman Problem. Algorithms, 2021, 14, 123.	2.1	3
33	Using regression models to understand the impact of route-length variability in practical vehicle routing. Optimization Letters, 2023, 17, 163-175.	1.6	3
34	A hybrid heuristic procedure for the Windy Rural Postman Problem with Zigzag Time Windows. Computers and Operations Research, 2017, 88, 247-257.	4.0	2
35	OAR Lib: an open source arc routing library. Mathematical Programming Computation, 2019, 11, 587-629.	4.8	2
36	Modeling and Solving the Intersection Inspection Rural Postman Problem. INFORMS Journal on Computing, 2021, 33, 1245-1257.	1.7	1

#	Article	IF	Citations
37	Data-driven optimization and statistical modeling to improve meter reading for utility companies. Computers and Operations Research, 2022, , 105844.	4.0	1
38	An Operational Analysis Of Shell Planting Strategies For Improving The Survival Of Oyster Larvae In The Chesapeake Bay. Infor, 1996, 34, 181-196.	0.6	0