

# JosÃ© MarÃ­a Sanchis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2413442/publications.pdf>

Version: 2024-02-01

46  
papers

904  
citations

394421

19  
h-index

477307

29  
g-index

46  
all docs

46  
docs citations

46  
times ranked

411  
citing authors

#	ARTICLE	IF	CITATIONS
1	A polyhedral approach to the rural postman problem. European Journal of Operational Research, 1994, 79, 95-114.	5.7	88
2	Arc routing problems: A review of the past, present, and future. Networks, 2021, 77, 88-115.	2.7	48
3	A cutting plane algorithm for the General Routing Problem. Mathematical Programming, 2001, 90, 291-316.	2.4	47
4	A branch & cut algorithm for the windy general routing problem and special cases. Networks, 2007, 49, 245-257.	2.7	42
5	The Team Orienteering Arc Routing Problem. Transportation Science, 2014, 48, 442-457.	4.4	42
6	Drone arc routing problems. Networks, 2018, 72, 543-559.	2.7	42
7	An asymmetric TSP with time windows and with time-dependent travel times and costs: An exact solution through a graph transformation. European Journal of Operational Research, 2008, 189, 789-802.	5.7	40
8	The general routing problem polyhedron: Facets from the RPP and GTSP polyhedra. European Journal of Operational Research, 1998, 108, 538-550.	5.7	38
9	Lower bounds and heuristics for the Windy Rural Postman Problem. European Journal of Operational Research, 2007, 176, 855-869.	5.7	38
10	The mixed general routing polyhedron. Mathematical Programming, 2003, 96, 103-137.	2.4	31
11	A GRASP heuristic for the mixed Chinese postman problem. European Journal of Operational Research, 2002, 142, 70-80.	5.7	30
12	New Results on the Mixed General Routing Problem. Operations Research, 2005, 53, 363-376.	1.9	29
13	Min-Max $k$ -vehicles windy rural postman problem. Networks, 2009, 54, 216-226.	2.7	28
14	A matheuristic for the Team Orienteering Arc Routing Problem. European Journal of Operational Research, 2015, 245, 392-401.	5.7	25
15	The Windy Clustered Prize-Collecting Arc-Routing Problem. Transportation Science, 2011, 45, 317-334.	4.4	24
16	A New Branch-and-Cut Algorithm for the Generalized Directed Rural Postman Problem. Transportation Science, 2016, 50, 750-761.	4.4	24
17	New heuristic algorithms for the windy rural postman problem. Computers and Operations Research, 2005, 32, 3111-3128.	4.0	23
18	The Windy General Routing Polyhedron: A Global View of Many Known Arc Routing Polyhedra. SIAM Journal on Discrete Mathematics, 2008, 22, 606-628.	0.8	23

#	ARTICLE	IF	CITATIONS
19	A branch-and-cut algorithm for the Orienteering Arc Routing Problem. Computers and Operations Research, 2016, 66, 95-104.	4.0	22
20	Solving the length constrained $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"} \rangle \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -drones rural postman problem. European Journal of Operational Research, 2021, 292, 60-72.	5.7	22
21	A comparison of two different formulations for arc routing problems on mixed graphs. Computers and Operations Research, 2006, 33, 3384-3402.	4.0	18
22	A branch-and-cut algorithm for the maximum benefit Chinese postman problem. Mathematical Programming, 2013, 141, 21-48.	2.4	18
23	New facets and an enhanced branch&cut for the min&max $\langle i \rangle K \langle /i \rangle$ vehicles windy rural postman problem. Networks, 2011, 58, 255-272.	2.7	16
24	A real delivery problem dealt with Monte Carlo Techniques. Top, 2000, 8, 57-71.	1.6	14
25	The stacker crane problem and the directed general routing problem. Networks, 2015, 65, 43-55.	2.7	13
26	A metaheuristic for the min&max windy rural postman problem with K vehicles. Computational Management Science, 2010, 7, 269-287.	1.3	12
27	Formulations and exact algorithms for the distance-constrained generalized directed rural postman problem. EURO Journal on Computational Optimization, 2017, 5, 339-365.	2.4	11
28	The directed profitable rural postman problem with incompatibility constraints. European Journal of Operational Research, 2017, 261, 549-562.	5.7	11
29	A matheuristic for the Distance-Constrained Close-Enough Arc Routing Problem. Top, 2019, 27, 312-326.	1.6	10
30	On the Distance-Constrained Close Enough Arc Routing Problem. European Journal of Operational Research, 2021, 291, 32-51.	5.7	10
31	A branch-and-cut algorithm for the profitable windy rural postman problem. European Journal of Operational Research, 2016, 249, 1092-1101.	5.7	9
32	A branch&price&cut algorithm for the min&max $\langle i \rangle k \langle /i \rangle$ vehicle windy rural postman problem. Networks, 2014, 63, 34-45.	2.7	8
33	Aesthetic considerations for the min&max $K \langle /i \rangle$ Windy Rural Postman Problem. Networks, 2017, 70, 216-232.	2.7	8
34	Zigzag inequalities: a new class of facet-inducing inequalities for Arc Routing Problems. Mathematical Programming, 2006, 108, 79-96.	2.4	7
35	The Hierarchical Mixed Rural Postman Problem: Polyhedral analysis and a branch-and-cut algorithm. European Journal of Operational Research, 2017, 257, 1-12.	5.7	7
36	New results on the Windy Postman Problem. Mathematical Programming, 2012, 132, 309-332.	2.4	5

#	ARTICLE	IF	CITATIONS
37	The Hierarchical Mixed Rural Postman Problem. <i>Transportation Science</i> , 2017, 51, 755-770.	4.4	5
38	The Chinese Postman Problem with Load-Dependent Costs. <i>Transportation Science</i> , 2018, 52, 370-385.	4.4	5
39	The Profitable Close-Enough Arc Routing Problem. <i>Computers and Operations Research</i> , 2022, 140, 105653.	4.0	4
40	The min-max close-enough arc routing problem. <i>European Journal of Operational Research</i> , 2022, 300, 837-851.	5.7	3
41	Chapter 11: Arc Routing Problems with Min-Max Objectives. , 2015, , 255-280.		1
42	Chapter 6: The Rural Postman Problem on Directed, Mixed, and Windy Graphs. , 2015, , 101-127.		1
43	Chapter 4: The Chinese Postman Problem on Directed, Mixed, and Windy Graphs. , 2015, , 65-83.		1
44	Polyhedral analysis and a new algorithm for the length constrained Kâ€“drones rural postman problem. <i>Computational Optimization and Applications</i> , 0, , .	1.6	1
45	Darboux Sums and the Sum of the Alternating Harmonic Series. <i>Mathematics Magazine</i> , 2018, 91, 96-96.	0.1	0
46	An ILS-Based Metaheuristic for the Stacker Crane Problem. <i>Lecture Notes in Computer Science</i> , 2012, , 25-36.	1.3	0