

# BÃœlent Ãatay

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,391  
citations

567281

15  
h-index

434195

31  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1003  
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial recharge strategies for the electric vehicle routing problem with time windows. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 65, 111-127.	7.6	338
2	A matheuristic method for the electric vehicle routing problem with time windows and fast chargers. <i>Computers and Operations Research</i> , 2018, 100, 172-188.	4.0	145
3	Electric Vehicle Routing Problem with Time-Dependent Waiting Times at Recharging Stations. <i>Computers and Operations Research</i> , 2019, 107, 77-94.	4.0	135
4	A simulation-based heuristic for the electric vehicle routing problem with time windows and stochastic waiting times at recharging stations. <i>Computers and Operations Research</i> , 2021, 125, 105060.	4.0	97
5	A new saving-based ant algorithm for the Vehicle Routing Problem with Simultaneous Pickup and Delivery. <i>Expert Systems With Applications</i> , 2010, 37, 6809-6817.	7.6	95
6	A taxonomy for emergency service station location problem. <i>Optimization Letters</i> , 2012, 6, 1147-1160.	1.6	79
7	Development of a machine tool selection system using AHP. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 35, 363-376.	3.0	61
8	Tool capacity planning in semiconductor manufacturing. <i>Computers and Operations Research</i> , 2003, 30, 1349-1366.	4.0	52
9	An Adaptive Large Neighborhood Search for an E-grocery Delivery Routing Problem. <i>Computers and Operations Research</i> , 2016, 69, 109-125.	4.0	52
10	A hybrid variable neighborhood search approach for the multi-depot green vehicle routing problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 149, 102293.	7.4	52
11	Effects of ambient temperature on the route planning of electric freight vehicles. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 74, 124-141.	6.8	41
12	Finding a minimum cost path between a pair of nodes in a time-varying road network with a congestion charge. <i>European Journal of Operational Research</i> , 2014, 236, 915-923.	5.7	39
13	An efficient variable neighborhood search with tabu shaking for a class of multi-depot vehicle routing problems. <i>Computers and Operations Research</i> , 2021, 133, 105269.	4.0	29
14	Electric vehicle routing problem with flexible deliveries. <i>International Journal of Production Research</i> , 2022, 60, 4268-4294.	7.5	23
15	Branch-and-price-and-cut methods for the electric vehicle routing problem with time windows. <i>International Journal of Production Research</i> , 2022, 60, 5332-5353.	7.5	20
16	The impact of quick charging stations on the route planning of Electric Vehicles. , 2017, , .		16
17	Siting new fire stations in Istanbul: A risk-based optimization approach. <i>OR Insight</i> , 2011, 24, 77-89.	0.1	14
18	A large neighborhood search-based matheuristic for the load-dependent electric vehicle routing problem with time windows. <i>Annals of Operations Research</i> , 2023, 324, 761-793.	4.1	12

#	ARTICLE	IF	CITATIONS
19	Design of an RFID-based Manufacturing Monitoring and Analysis System. , 2007, , .		11
20	NVR-BIP: Nuclear Vector Replacement using Binary Integer Programming for NMR Structure-Based Assignments. Computer Journal, 2011, 54, 708-716.	2.4	11
21	Electric Vehicle Routing Problem with Time Windows and Stochastic Waiting Times at Recharging Stations. , 2019, , .		9
22	Microstrip Patch Antenna for RFID Applications. , 2007, , .		8
23	A time-based pheromone approach for the ant system. Optimization Letters, 2012, 6, 1081-1099.	1.6	8
24	Accelerating local search algorithms for the travelling salesman problem through the effective use of GPU. Transportation Research Procedia, 2017, 22, 409-418.	1.5	6
25	A Parallel Matheuristic for Solving the Vehicle Routing Problems. Advances in Intelligent Systems and Computing, 2014, , 477-489.	0.6	6
26	Capacity allocation with machine duplication in semiconductor manufacturing. Naval Research Logistics, 2005, 52, 659-667.	2.2	5
27	Crew Constrained Home Care Routing Problem with Time Windows. , 2015, , .		4
28	Hybrid PACO with Enhanced Pheromone Initialization for Solving the Vehicle Routing Problem with Time Windows. , 2015, , .		4
29	An Enhanced Network-Consistent Travel Speed Generation Scheme on Time-Dependent Shortest Path and Routing Problems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 873-884.	8.0	3
30	Electric Vehicle Routing Problem with Time Windows and Cargo Weight. Ecoproduction, 2020, , 175-190.	0.8	3
31	Two machine openshop scheduling with machine-dependent processing times. Discrete Applied Mathematics, 1997, 73, 283-288.	0.9	2
32	Printed circuit board scheduling in an openshop manufacturing environment. International Journal of Advanced Manufacturing Technology, 2006, 29, 980-989.	3.0	1
33	NVR-BIP: Nuclear vector replacement using binary integer programming for NMR structure-based assignments. , 2009, , .		1
34	An Ant Colony-Based Matheuristic Approach for Solving a Class of Vehicle Routing Problems. Lecture Notes in Computer Science, 2015, , 105-119.	1.3	1
35	Automating unambiguous NOE data usage in NVR for NMR protein structure-based assignments. Journal of Bioinformatics and Computational Biology, 2015, 13, 1550020.	0.8	1
36	Distinguishing the type of NOE for NMR protein Structure-Based Assignments. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Computational intelligence in production and logistics systems: solving vehicle routing, supply chain network, and air-traffic trajectory planning problems [guest editorial]. IEEE Computational Intelligence Magazine, 2014, 9, 16-17.	3.2	0