Michal Tzur

List of Publications by Year
in descending order

41 papers	2,674 citations	257101 24 h-index	288905 40 g-index
41 all docs	41 docs citations	41 times ranked	1698 citing authors

#	Article	IF	Citations
1	Static repositioning in a bike-sharing system: models and solution approaches. EURO Journal on Transportation and Logistics, 2013, 2, 187-229.	1.3	384
2	A Simple Forward Algorithm to Solve General Dynamic Lot Sizing Models with n Periods in 0(n log n) or 0(n) Time. Management Science, 1991, 37, 909-925.	2.4	333
3	A 3-step math heuristic for the static repositioning problem in bike-sharing systems. Transportation Research Part B: Methodological, 2015, 71, 230-247.	2.8	206
4	Design of flexible assembly line to minimize equipment cost. IIE Transactions, 2000, 32, 585-598.	2.1	157
5	The multilocation transshipment problem. IIE Transactions, 2006, 38, 185-200.	2.1	146
6	The Period Vehicle Routing Problem with Service Choice. Transportation Science, 2006, 40, 439-454.	2.6	129
7	Parking reservation policies in one-way vehicle sharing systems. Transportation Research Part B: Methodological, 2014, 62, 35-50.	2.8	114
8	Transshipments: An emerging inventory recourse to achieve supply chain leagility. International Journal of Production Economics, 2002, 80, 201-212.	5.1	96
9	Progressive Interval Heuristics for Multi-Item Capacitated Lot-Sizing Problems. Operations Research, 2007, 55, 490-502.	1.2	90
10	Designing humanitarian supply chains by incorporating actual post-disaster decisions. European Journal of Operational Research, 2018, 265, 1064-1077.	3.5	79
11	The dynamic transshipment problem. Naval Research Logistics, 2001, 48, 386-408.	1.4	65
12	Regulating vehicle sharing systems through parking reservation policies: Analysis and performance bounds. European Journal of Operational Research, 2016, 251, 969-987.	3.5	63
13	Setting Inventory Levels in a Bike Sharing Network. Transportation Science, 2019, 53, 62-76.	2.6	63
14	The Humanitarian Pickup and Distribution Problem. Operations Research, 2019, 67, 10-32.	1.2	61
15	Time-partitioning heuristics: Application to one warehouse, multiitem, multiretailer lot-sizing problems. Naval Research Logistics, 1999, 46, 463-486.	1.4	53
16	The Joint Replenishment Problem with Time-Varying Costs and Demands: Efficient, Asymptotic and Îµ-Optimal Solutions. Operations Research, 1994, 42, 1067-1086.	1.2	51
17	Shipping Multiple Items by Capacitated Vehicles: An Optimal Dynamic Programming Approach. Transportation Science, 2005, 39, 233-248.	2.6	51
18	Minimal Forecast Horizons and a New Planning Procedure for the General Dynamic Lot Sizing Model: Nervousness Revisited. Operations Research, 1994, 42, 456-468.	1.2	48

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19	Allocation of bandwidth and storage. IIE Transactions, 2002, 34, 501-507.	2.1	48
20	Bike-sharing systems: User dissatisfaction in the presence of unusable bicycles. IISE Transactions, 2017, 49, 144-158.	1.6	43
21	Lot splitting to minimize average flow-time in a two-machine flow-shop. IIE Transactions, 2002, 34, 953-970.	2.1	40
22	Flexibility and complexity in periodic distribution problems. Naval Research Logistics, 2007, 54, 136-150.	1.4	38
23	Design of flexible assembly line to minimize equipment cost. IIE Transactions, 2000, 32, 585-598.	2.1	34
24	The transshipment fund mechanism: Coordinating the decentralized multilocation transshipment problem. Naval Research Logistics, 2010, 57, 342-353.	1.4	30
25	Optimal and heuristic algorithms for the multi-location dynamic transshipment problem with fixed transshipment costs. IIE Transactions, 2003, 35, 419-432.	2.1	25
26	Algorithms for the multi-item multi-vehicles dynamic lot sizing problem. Naval Research Logistics, 2006, 53, 157-169.	1.4	25
27	An Efficient and Robust Design for Transshipment Networks. Production and Operations Management, 2011, 20, 699-713.	2.1	25
28	Minimization of tool switches for a flexible manufacturing machine with slot assignment of different tool sizes. IIE Transactions, 2004, 36, 95-110.	2.1	23
29	A Segment-Based Formulation and a Matheuristic for the Humanitarian Pickup and Distribution Problem. Transportation Science, 2019, 53, 1389-1408.	2.6	22
30	Multi-item lot-sizing with joint set-up costs. Mathematical Programming, 2009, 119, 79-94.	1.6	21
31	Detection of minimal forecast horizons in dynamic programs with multiple indicators of the future. Naval Research Logistics, 1996, 43, 169-189.	1.4	19
32	Allocation of bandwidth and storage. IIE Transactions, 2002, 34, 501-507.	2.1	16
33	A new MILP approach for the facility process-layout design problem with rectangular and L/T shape departments. International Journal of Production Research, 2014, 52, 7339-7359.	4.9	15
34	The single and multiâ€item transshipment problem with fixed transshipment costs. Naval Research Logistics, 2014, 61, 637-664.	1.4	13
35	Lot splitting to minimize average flow-time in a two-machine flow-shop. IIE Transactions, 2002, 34, 953-970.	2.1	10
36	Parallelism of continuous- and discrete-time production planning problems. IIE Transactions, 2004, 36, 611-628.	2.1	10

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37	Lot sizing with learning and forgetting in setups: Analytical results and insights. Naval Research Logistics, 2016, 63, 93-108.	1.4	9
38	Transportation in the Sharing Economy. Transportation Science, 2022, 56, 567-570.	2.6	9
39	A lookahead partitioning heuristic for a new assignment and scheduling problem in a distribution system. European Journal of Operational Research, 2011, 215, 325-336.	3.5	5
40	Multi-item Lot-sizing with a Joint Set-up Cost. SSRN Electronic Journal, 0, , .	0.4	3
41	Design and incentive decisions to increase cooperation in humanitarian relief networks. IISE Transactions, 2020, 52, 1297-1311.	1.6	2