

# Malachy Carey

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4675749/publications.pdf>

Version: 2024-02-01

59  
papers

2,246  
citations

236833

25  
h-index

223716

46  
g-index

62  
all docs

62  
docs citations

62  
times ranked

939  
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructing a cell transmission model solution adhering fully to first-in-first-out conditions. <i>Transportation Research Part B: Methodological</i> , 2022, 161, 247-267.	2.8	0
2	The cell transmission model with free-flow speeds varying over time or space. <i>Transportation Research Part B: Methodological</i> , 2021, 147, 245-257.	2.8	4
3	Consistency and Inconsistency Between the Fundamental Relationships on Which Different Traffic Assignment Models Are Based. <i>Transportation Science</i> , 2018, 52, 1548-1569.	2.6	0
4	Representation requirements for perfect first-in-first-out verification in continuous flow dynamic models. <i>Transportation Research Part B: Methodological</i> , 2017, 100, 284-301.	2.8	4
5	Travel-Time Models With and Without Homogeneity Over Time. <i>Transportation Science</i> , 2017, 51, 882-892.	2.6	0
6	Extending the Cell Transmission Model to Multiple Lanes and Lane-Changing. <i>Networks and Spatial Economics</i> , 2015, 15, 507-535.	0.7	33
7	On the Convergence of the Method of Successive Averages for Calculating Equilibrium in Traffic Networks. <i>Transportation Science</i> , 2015, 49, 535-542.	2.6	25
8	Extending travel-time based models for dynamic network loading and assignment, to achieve adherence to first-in-first-out and link capacities. <i>Transportation Research Part B: Methodological</i> , 2014, 65, 90-104.	2.8	23
9	Implementing first-in-first-out in the cell transmission model for networks. <i>Transportation Research Part B: Methodological</i> , 2014, 65, 105-118.	2.8	20
10	Comparison of Methods for Path Flow Reassignment for Dynamic User Equilibrium. <i>Networks and Spatial Economics</i> , 2012, 12, 337-376.	0.7	33
11	A Review of Properties of Flow-Density Functions. <i>Transport Reviews</i> , 2012, 32, 49-73.	4.7	25
12	Dynamic traffic assignment approximating the kinematic wave model: System optimum, marginal costs, externalities and tolls. <i>Transportation Research Part B: Methodological</i> , 2012, 46, 634-648.	2.8	34
13	Route swapping in dynamic traffic networks. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 102-111.	2.8	60
14	Scheduling trains on a network of busy complex stations. <i>Transportation Research Part B: Methodological</i> , 2007, 41, 159-178.	2.8	142
15	Retaining desirable properties in discretising a travel-time model. <i>Transportation Research Part B: Methodological</i> , 2007, 41, 540-553.	2.8	9
16	Convergence of a Discretised Travel-Time Model. <i>Transportation Science</i> , 2005, 39, 25-38.	2.6	22
17	Alternative Conditions for a Well-Behaved Travel Time Model. <i>Transportation Science</i> , 2005, 39, 417-428.	2.6	11
18	Link Travel Times I: Desirable Properties. <i>Networks and Spatial Economics</i> , 2004, 4, 257-268.	0.7	23

#	ARTICLE	IF	CITATIONS
19	Efficient Discretisation for Link Travel Time Models. <i>Networks and Spatial Economics</i> , 2004, 4, 269-290.	0.7	11
20	Link Travel Times II: Properties Derived from Traffic-Flow Models. <i>Networks and Spatial Economics</i> , 2004, 4, 379-402.	0.7	17
21	An exit-flow model used in dynamic traffic assignment. <i>Computers and Operations Research</i> , 2004, 31, 1583-1602.	2.4	22
22	Pseudo-periodicity in a travel-time model used in dynamic traffic assignment. <i>Transportation Research Part B: Methodological</i> , 2003, 37, 769-792.	2.8	6
23	Comparing whole-link travel time models. <i>Transportation Research Part B: Methodological</i> , 2003, 37, 905-926.	2.8	28
24	Scheduling and platforming trains at busy complex stations. <i>Transportation Research, Part A: Policy and Practice</i> , 2003, 37, 195-224.	2.0	71
25	A Whole-Link Travel-Time Model with Desirable Properties. <i>Transportation Science</i> , 2003, 37, 83-96.	2.6	53
26	Behaviour of a whole-link travel time model used in dynamic traffic assignment. <i>Transportation Research Part B: Methodological</i> , 2002, 36, 83-95.	2.8	52
27	The existence, uniqueness and computation of an arc-based dynamic network user equilibrium formulation. <i>Transportation Research Part B: Methodological</i> , 2002, 36, 897-918.	2.8	64
28	Dynamic Traffic Assignment with More Flexible Modelling within Links. <i>Networks and Spatial Economics</i> , 2001, 1, 349-375.	0.7	20
29	An approach to modelling time-varying flows on congested networks. <i>Transportation Research Part B: Methodological</i> , 2000, 34, 157-183.	2.8	81
30	Ex ante heuristic measures of schedule reliability. <i>Transportation Research Part B: Methodological</i> , 1999, 33, 473-494.	2.8	83
31	Optimizing scheduled times, allowing for behavioural response. <i>Transportation Research Part B: Methodological</i> , 1998, 32, 329-342.	2.8	44
32	Optimal consolidation of municipalities: An analysis of alternative designs. <i>Socio-Economic Planning Sciences</i> , 1996, 30, 103-119.	2.5	7
33	A Model, Algorithms and Strategy for Train Pathing. <i>Journal of the Operational Research Society</i> , 1995, 46, 988-1005.	2.1	155
34	Properties of expected costs and performance measures in stochastic models of scheduled transport. <i>European Journal of Operational Research</i> , 1995, 83, 182-199.	3.5	31
35	A Model, Algorithms and Strategy for Train Pathing. <i>Journal of the Operational Research Society</i> , 1995, 46, 988.	2.1	4
36	A Model, Algorithms and Strategy for Train Pathing. <i>Journal of the Operational Research Society</i> , 1995, 46, 988-1005.	2.1	18

#	ARTICLE	IF	CITATIONS
37	Solving a class of network models for dynamic flow control. European Journal of Operational Research, 1994, 75, 151-170.	3.5	6
38	Reliability of interconnected scheduled services. European Journal of Operational Research, 1994, 79, 51-72.	3.5	36
39	Stochastic approximation to the effects of headways on knock-on delays of trains. Transportation Research Part B: Methodological, 1994, 28, 251-267.	2.8	82
40	Swapping the order of scheduled services to minimize expected costs of delays. Transportation Research Part B: Methodological, 1994, 28, 409-428.	2.8	3
41	A model and strategy for train pathing with choice of lines, platforms, and routes. Transportation Research Part B: Methodological, 1994, 28, 333-353.	2.8	122
42	Extending a train pathing model from one-way to two-way track. Transportation Research Part B: Methodological, 1994, 28, 395-400.	2.8	75
43	Externalities, Average and Marginal Costs, and Tolls on Congested Networks with Time-Varying Flows. Operations Research, 1993, 41, 217-231.	1.2	64
44	Nonconvexity of the dynamic traffic assignment problem. Transportation Research Part B: Methodological, 1992, 26, 127-133.	2.8	121
45	Extending and solving a multiperiod congested network flow model. Computers and Operations Research, 1990, 17, 495-507.	2.4	13
46	Estimating nonparametric convex functions using gradient data. European Journal of Operational Research, 1989, 41, 73-85.	3.5	0
47	Congested network flows: Time-varying demands and start-time policies. European Journal of Operational Research, 1988, 36, 227-240.	3.5	17
48	Optimal Time-Varying Flows on Congested Networks. Operations Research, 1987, 35, 58-69.	1.2	214
49	Intertemporal benefit functions. Economics Letters, 1987, 23, 9-14.	0.9	0
50	Network equilibrium: Optimization formulations with both quantities and prices as variables. Transportation Research Part B: Methodological, 1987, 21, 69-77.	2.8	3
51	A Constraint Qualification for a Dynamic Traffic Assignment Model. Transportation Science, 1986, 20, 55-58.	2.6	87
52	Constrained Estimation of Direct Demand Functions and Trip Matrices. Transportation Science, 1986, 20, 143-152.	2.6	24
53	The dual of the traffic assignment problem with elastic demands. Transportation Research Part B: Methodological, 1985, 19, 227-237.	2.8	12
54	Bounds on expected performance of networks with links subject to failure. Networks, 1984, 14, 439-456.	1.6	42

#	ARTICLE	IF	CITATIONS
55	On Mutually Exclusive and Collectively Exhaustive Properties of Demand Functions. <i>Economica</i> , 1981, 48, 407.	0.9	0
56	A Method for Direct Estimation of Origin/Destination Trip Matrices. <i>Transportation Science</i> , 1981, 15, 32-49.	2.6	53
57	STABILITY OF COMPETITIVE REGIONAL TRADE WITH MONOTONE DEMAND/SUPPLY FUNCTIONS*. <i>Journal of Regional Science</i> , 1980, 20, 489-496.	2.1	15
58	OPTIMAL ALLOCATION AND PRICING WHEN CONSUMER BEHAVIOUR IS SUBOPTIMAL. <i>Metroeconomica</i> , 1978, 30, 55-71.	0.5	0
59	Integrability and Mathematical Programming Models: A Survey and a Parametric Approach. <i>Econometrica</i> , 1977, 45, 1957.	2.6	15