

# Mark D Hickman

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

1,896  
citations

331670  
21  
h-index

276875  
41  
g-index

69  
all docs

69  
docs citations

69  
times ranked

1466  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calibrating a transit assignment model using smart card data in a large-scale multi-modal transit network. <i>Transportation</i> , 2020, 47, 2133-2156.	4.0	7
2	Improving alighting stop inference accuracy in the trip chaining method using neural networks. <i>Public Transport</i> , 2020, 12, 89-121.	2.7	19
3	Modeling Mode Choice of Air Passengersâ€™ Ground Access to Brisbane Airport. <i>Transportation Research Record</i> , 2020, 2674, 756-767.	1.9	9
4	Network Design with Elastic Demand and Dynamic Passenger Assignment to Assess the Performance of Transit Services. <i>Journal of Transportation Engineering Part A: Systems</i> , 2020, 146, .	1.4	6
5	Transport-related walking among young adults: when and why?. <i>BMC Public Health</i> , 2020, 20, 244.	2.9	3
6	A network design problem formulation and solution procedure for intercity transit services. <i>Transportmetrica A: Transport Science</i> , 2020, 16, 1156-1175.	2.0	7
7	Enhancing GPS-Assisted Travel Data Collection Through Smartphones. , 2020, , .		1
8	Calibrating a Bayesian Transit Assignment Model Using Smart Card Data. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 1574-1583.	8.0	11
9	Park-and-ride lot choice model using random utility maximization and random regret minimization. <i>Transportation</i> , 2019, 46, 217-232.	4.0	21
10	A joint hybrid model of the choices of container terminals and of dwell time. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 121, 119-133.	7.4	7
11	A strategy-based recursive path choice model for public transit smart card data. <i>Transportation Research Part B: Methodological</i> , 2019, 126, 528-548.	5.9	39
12	Public transport trip purpose inference using smart card fare data. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 87, 123-137.	7.6	99
13	Application of smart card data in validating a large-scale multi-modal transit assignment model. <i>Public Transport</i> , 2018, 10, 1-21.	2.7	13
14	Cost-effective ubiquitous method for motor vehicle speed estimation using smartphones. <i>IET Wireless Sensor Systems</i> , 2018, 8, 340-349.	1.7	0
15	The effect of cooperation among shipping lines on transport costs and pollutant emissions. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 65, 312-323.	6.8	30
16	Determining Effective Sample Size to Calibrate a Transit Assignment Model: A Bayesian Perspective. <i>Transportation Research Record</i> , 2018, 2672, 849-858.	1.9	4
17	Discrete-Time Hazard Model of the Dynamic Utilization of Parking Spaces within Park-and-Ride Lots. <i>Transportation Research Record</i> , 2018, 2672, 911-919.	1.9	0
18	Exploring factors affecting demand for possible future intercity transit options. <i>Public Transport</i> , 2017, 9, 463-481.	2.7	6

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19	Statistical Inference of Transit Passenger Boarding Strategies from Farecard Data. Transportation Research Record, 2017, 2652, 8-18.	1.9	13
20	Modeling the Efficiency of a Port Community System as an Agent-based Process. Procedia Computer Science, 2017, 109, 917-922.	2.0	18
21	Copula-Based Joint Discrete-Continuous Model of Road Vehicle Type and Shipment Size. Transportation Research Record, 2017, 2610, 87-96.	1.9	13
22	Flexpress: A Flexible High-Speed Intercity Transit Service. , 2016, , .		1
23	A utility-based travel impedance measure for public transit network accessibility. Transportation Research, Part A: Policy and Practice, 2016, 88, 26-39.	4.2	48
24	Modeling Transit Passenger Choices of Access Stop. Transportation Research Record, 2015, 2493, 70-77.	1.9	13
25	Activity detection and transfer identification for public transit fare card data. Transportation, 2015, 42, 683-705.	4.0	84
26	Design and Implementation of a Smartphone-Based Travel Survey. Transportation Research Record, 2015, 2526, 99-107.	1.9	39
27	Trip-Based Path Algorithms Using the Transit Network Hierarchy. Networks and Spatial Economics, 2015, 15, 635-653.	1.6	39
28	Network Flow Solution Method for Optimal Evacuation Traffic Routing and Signal Control with Nonuniform Threat. Transportation Research Record, 2014, 2459, 54-62.	1.9	5
29	Trip purpose inference using automated fare collection data. Public Transport, 2014, 6, 1-20.	2.7	95
30	Modeling Transit and Intermodal Tours in a Dynamic Multimodal Network. Transportation Research Record, 2014, 2467, 21-29.	1.9	5
31	Efficient Negative Cycle-Canceling Algorithm for Finding the Optimal Traffic Routing for Network Evacuation with Nonuniform Threats. Transportation Research Record, 2014, 2459, 81-90.	1.9	5
32	The Application of an Integrated Behavioral Activity-Travel Simulation Model for Pricing Policy Analysis. Advances in Data Mining and Database Management Book Series, 2014, , 86-102.	0.5	2
33	Are Transit Trips Symmetrical in Time and Space?. Transportation Research Record, 2013, 2382, 173-180.	1.9	9
34	Generating Route-Level Mutually Exclusive Service Areas. Transportation Research Record, 2013, 2350, 37-46.	1.9	5
35	Development of a temporal and spatial linkage between transit demand and land-use patterns. Journal of Transport and Land Use, 2013, 6, 33.	1.2	22
36	Hyperpaths in Network Based on Transit Schedules. Transportation Research Record, 2012, 2284, 29-39.	1.9	19

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37	Stop Aggregation Model. Transportation Research Record, 2012, 2276, 38-47.	1.9	13
38	Algorithm for Intermodal Optimal Multidestination Tour with Dynamic Travel Times. Transportation Research Record, 2012, 2283, 57-66.	1.9	15
39	Intermodal Path Algorithm for Time-Dependent Auto Network and Scheduled Transit Service. Transportation Research Record, 2012, 2284, 40-46.	1.9	22
40	Estimation of a Road Mask to Improve Vehicle Detection and Tracking in Airborne Imagery. Transportation Research Record, 2012, 2291, 93-101.	1.9	3
41	Integrated Land Use-Transport Model System with Dynamic Time-Dependent Activity-Travel Microsimulation. Transportation Research Record, 2012, 2303, 19-27.	1.9	50
42	Transit Stop-Level Origin-Destination Estimation through Use of Transit Schedule and Automated Data Collection System. Transportation Research Record, 2011, 2263, 140-150.	1.9	96
43	Modeling of Evacuation and Background Traffic for Optimal Zone-Based Vehicle Evacuation Strategy. Transportation Research Record, 2010, 2196, 65-74.	1.9	36
44	A macroscopic model for integrating bus signal priority with vehicle rescheduling. Public Transport, 2010, 2, 159-172.	2.7	7
45	Approach to Modeling Demand and Supply for a Short-Notice Evacuation. Transportation Research Record, 2009, 2091, 91-99.	1.9	32
46	The Holding Problem at Multiple Holding Stations. , 2008, , 339-359.		34
47	TSL Dissertation Abstracts-2006 Transportation Science and Logistics Society Dissertation Prize Competition. Transportation Science, 2007, 41, 415-429.	4.4	0
48	Household type and structure, time-use pattern, and trip-chaining behavior. Transportation Research, Part A: Policy and Practice, 2007, 41, 1004-1020.	4.2	40
49	Chapter 2 Public Transit. Handbooks in Operations Research and Management Science, 2007, , 69-127.	0.6	149
50	Uses of Airborne Imagery for Microscopic Traffic Analysis. , 2006, , 238.		2
51	The Real-Time Stop-Skipping Problem. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2005, 9, 91-109.	4.2	144
52	Bus Automatic Vehicle Location (AVL) Systems. , 2004, , 59-88.		17
53	Scheduling considerations for a branching transit route. Journal of Advanced Transportation, 2004, 38, 243-290.	1.7	12
54	Methods of analyzing traffic imagery collected from aerial platforms. IEEE Transactions on Intelligent Transportation Systems, 2003, 4, 99-107.	8.0	61

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55	Application of Aerial Video for Traffic Flow Monitoring and Management. , 2002, , 346.		12
56	An Analytic Stochastic Model for the Transit Vehicle Holding Problem. Transportation Science, 2001, 35, 215-237.	4.4	202
57	Modeling Cost and Passenger Level of Service for Integrated Transit Service. Lecture Notes in Economics and Mathematical Systems, 2001, , 233-251.	0.3	10
58	Investigation of Information Needs of Departing Air Passengers. Transportation Research Record, 2001, 1744, 72-81.	1.9	2
59	Katy Freeway High-Occupancy Vehicle Lane Value Pricing Project, Houston, Texas: Evaluation of Usage. Transportation Research Record, 2000, 1732, 32-41.	1.9	3
60	Effectiveness of the Katy Freeway HOV-Lane Pricing Project Preliminary Assessment. Transportation Research Record, 1999, 1659, 97-104.	1.9	11
61	Evaluating Interface Standards for the Public Transit Industry. Transportation Research Record, 1998, 1618, 172-179.	1.9	3
62	Automatic Vehicle Location and Computer-Aided Dispatch Systems: Design and Application Considerations. Journal of Public Transportation, 1998, 2, 1-26.	1.2	9
63	Toward an Evaluation Framework for Road Pricing. Journal of Transportation Engineering, 1997, 123, 316-324.	0.9	16
64	Transit Service and Path Choice Models in Stochastic and Time-Dependent Networks. Transportation Science, 1997, 31, 129-146.	4.4	56
65	Assessment of Information Systems and Technologies at California Transit Agencies. Transportation Research Record, 1996, 1521, 49-57.	1.9	6
66	Passenger travel time and path choice implications of real-time transit information. Transportation Research Part C: Emerging Technologies, 1995, 3, 211-226.	7.6	99
67	Relationship between Programmed Heavy Vehicle Inspections and Traffic Safety. Transportation Research Record, 0, , 036119812110164.	1.9	1