Mark D Hickman

List of Publications by Year
in descending order

67 papers	1,896 citations	331259 21 h-index	276539 41 g-index
69 all docs	69 docs citations	69 times ranked	1466 citing authors

#	Article	IF	Citations
1	An Analytic Stochastic Model for the Transit Vehicle Holding Problem. Transportation Science, 2001, 35, 215-237.	2.6	202
2	Chapter 2 Public Transit. Handbooks in Operations Research and Management Science, 2007, , 69-127.	0.6	149
3	The Real–Time Stop–Skipping Problem. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2005, 9, 91-109.	2.6	144
4	Passenger travel time and path choice implications of real-time transit information. Transportation Research Part C: Emerging Technologies, 1995, 3, 211-226.	3.9	99
5	Public transport trip purpose inference using smart card fare data. Transportation Research Part C: Emerging Technologies, 2018, 87, 123-137.	3.9	99
6	Transit Stop-Level Origin–Destination Estimation through Use of Transit Schedule and Automated Data Collection System. Transportation Research Record, 2011, 2263, 140-150.	1.0	96
7	Trip purpose inference using automated fare collection data. Public Transport, 2014, 6, 1-20.	1.7	95
8	Activity detection and transfer identification for public transit fare card data. Transportation, 2015, 42, 683-705.	2.1	84
9	Methods of analyzing traffic imagery collected from aerial platforms. IEEE Transactions on Intelligent Transportation Systems, 2003, 4, 99-107.	4.7	61
10	Transit Service and Path Choice Models in Stochastic and Time-Dependent Networks. Transportation Science, 1997, 31, 129-146.	2.6	56
11	Integrated Land Use–Transport Model System with Dynamic Time-Dependent Activity–Travel Microsimulation. Transportation Research Record, 2012, 2303, 19-27.	1.0	50
12	A utility-based travel impedance measure for public transit network accessibility. Transportation Research, Part A: Policy and Practice, 2016, 88, 26-39.	2.0	48
13	Household type and structure, time-use pattern, and trip-chaining behavior. Transportation Research, Part A: Policy and Practice, 2007, 41, 1004-1020.	2.0	40
14	Design and Implementation of a Smartphone-Based Travel Survey. Transportation Research Record, 2015, 2526, 99-107.	1.0	39
15	Trip-Based Path Algorithms Using the Transit Network Hierarchy. Networks and Spatial Economics, 2015, 15, 635-653.	0.7	39
16	A strategy-based recursive path choice model for public transit smart card data. Transportation Research Part B: Methodological, 2019, 126, 528-548.	2.8	39
17	Modeling of Evacuation and Background Traffic for Optimal Zone-Based Vehicle Evacuation Strategy. Transportation Research Record, 2010, 2196, 65-74.	1.0	36
18	The Holding Problem at Multiple Holding Stations. , 2008, , 339-359.		34

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19	Approach to Modeling Demand and Supply for a Short-Notice Evacuation. Transportation Research Record, 2009, 2091, 91-99.	1.0	32
20	The effect of cooperation among shipping lines on transport costs and pollutant emissions. Transportation Research, Part D: Transport and Environment, 2018, 65, 312-323.	3.2	30
21	Intermodal Path Algorithm for Time-Dependent Auto Network and Scheduled Transit Service. Transportation Research Record, 2012, 2284, 40-46.	1.0	22
22	Development of a temporal and spatial linkage between transit demand and land-use patterns. Journal of Transport and Land Use, 2013, 6, 33.	0.7	22
23	Park-and-ride lot choice model using random utility maximization and random regret minimization. Transportation, 2019, 46, 217-232.	2.1	21
24	Hyperpaths in Network Based on Transit Schedules. Transportation Research Record, 2012, 2284, 29-39.	1.0	19
25	Improving alighting stop inference accuracy in the trip chaining method using neural networks. Public Transport, 2020, 12, 89-121.	1.7	19
26	Modeling the Efficiency of a Port Community System as an Agent-based Process. Procedia Computer Science, 2017, 109, 917-922.	1.2	18
27	Bus Automatic Vehicle Location (AVL) Systems. , 2004, , 59-88.		17
28	Toward an Evaluation Framework for Road Pricing. Journal of Transportation Engineering, 1997, 123, 316-324.	0.9	16
29	Algorithm for Intermodal Optimal Multidestination Tour with Dynamic Travel Times. Transportation Research Record, 2012, 2283, 57-66.	1.0	15
30	Stop Aggregation Model. Transportation Research Record, 2012, 2276, 38-47.	1.0	13
31	Modeling Transit Passenger Choices of Access Stop. Transportation Research Record, 2015, 2493, 70-77.	1.0	13
32	Statistical Inference of Transit Passenger Boarding Strategies from Farecard Data. Transportation Research Record, 2017, 2652, 8-18.	1.0	13
33	Copula-Based Joint Discrete–Continuous Model of Road Vehicle Type and Shipment Size. Transportation Research Record, 2017, 2610, 87-96.	1.0	13
34	Application of smart card data in validating a large-scale multi-modal transit assignment model. Public Transport, 2018, 10, 1-21.	1.7	13
35	Application of Aerial Video for Traffic Flow Monitoring and Management. , 2002, , 346.		12
36	Scheduling considerations for a branching transit route. Journal of Advanced Transportation, 2004, 38, 243-290.	0.9	12

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37	Effectiveness of the Katy Freeway HOV-Lane Pricing Project Preliminary Assessment. Transportation Research Record, 1999, 1659, 97-104.	1.0	11
38	Calibrating a Bayesian Transit Assignment Model Using Smart Card Data. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1574-1583.	4.7	11
39	Modeling Cost and Passenger Level of Service for Integrated Transit Service. Lecture Notes in Economics and Mathematical Systems, 2001, , 233-251.	0.3	10
40	Are Transit Trips Symmetrical in Time and Space?. Transportation Research Record, 2013, 2382, 173-180.	1.0	9
41	Modeling Mode Choice of Air Passengersâ€™ Ground Access to Brisbane Airport. Transportation Research Record, 2020, 2674, 756-767.	1.0	9
42	Automatic Vehicle Location and Computer-Aided Dispatch Systems: Design and Application Considerations. Journal of Public Transportation, 1998, 2, 1-26.	0.3	9
43	A macroscopic model for integrating bus signal priority with vehicle rescheduling. Public Transport, 2010, 2, 159-172.	1.7	7
44	A joint hybrid model of the choices of container terminals and of dwell time. Transportation Research, Part E: Logistics and Transportation Review, 2019, 121, 119-133.	3.7	7
45	Calibrating a transit assignment model using smart card data in a large-scale multi-modal transit network. Transportation, 2020, 47, 2133-2156.	2.1	7
46	A network design problem formulation and solution procedure for intercity transit services. Transportmetrica A: Transport Science, 2020, 16, 1156-1175.	1.3	7
47	Exploring factors affecting demand for possible future intercity transit options. Public Transport, 2017, 9, 463-481.	1.7	6
48	Network Design with Elastic Demand and Dynamic Passenger Assignment to Assess the Performance of Transit Services. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	6
49	Assessment of Information Systems and Technologies at California Transit Agencies. , 0, .		6
50	Generating Route-Level Mutually Exclusive Service Areas. Transportation Research Record, 2013, 2350, 37-46.	1.0	5
51	Network Flow Solution Method for Optimal Evacuation Traffic Routing and Signal Control with Nonuniform Threat. Transportation Research Record, 2014, 2459, 54-62.	1.0	5
52	Modeling Transit and Intermodal Tours in a Dynamic Multimodal Network. Transportation Research Record, 2014, 2467, 21-29.	1.0	5
53	Efficient Negative Cycleâ€“Canceling Algorithm for Finding the Optimal Traffic Routing for Network Evacuation with Nonuniform Threats. Transportation Research Record, 2014, 2459, 81-90.	1.0	5
54	Determining Effective Sample Size to Calibrate a Transit Assignment Model: A Bayesian Perspective. Transportation Research Record, 2018, 2672, 849-858.	1.0	4

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55	Katy Freeway High-Occupancy Vehicle Lane Value Pricing Project, Houston, Texas: Evaluation of Usage. Transportation Research Record, 2000, 1732, 32-41.	1.0	3
56	Estimation of a Road Mask to Improve Vehicle Detection and Tracking in Airborne Imagery. Transportation Research Record, 2012, 2291, 93-101.	1.0	3
57	Transport-related walking among young adults: when and why?. BMC Public Health, 2020, 20, 244.	1.2	3
58	Evaluating Interface Standards for the Public Transit Industry. Transportation Research Record, 1998, 1618, 172-179.	1.0	3
59	Uses of Airborne Imagery for Microscopic Traffic Analysis. , 2006, , 238.		2
60	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.	0.4	2
61	Investigation of Information Needs of Departing Air Passengers. Transportation Research Record, 2001, 1744, 72-81.	1.0	2
62	Flexpress: A Flexible High-Speed Intercity Transit Service. , 2016, , .		1
63	Relationship between Programmed Heavy Vehicle Inspections and Traffic Safety. Transportation Research Record, 0, , 036119812110164.	1.0	1
64	Enhancing GPS-Assisted Travel Data Collection Through Smartphones. , 2020, , .		1
65	TSL Dissertation Abstractsâ€"2006 Transportation Science and Logistics Society Dissertation Prize Competition. Transportation Science, 2007, 41, 415-429.	2.6	0
66	Costâ€effective ubiquitous method for motor vehicle speed estimation using smartphones. IET Wireless Sensor Systems, 2018, 8, 340-349.	1.3	0
67	Discrete-Time Hazard Model of the Dynamic Utilization of Parking Spaces within Park-and-Ride Lots. Transportation Research Record, 2018, 2672, 911-919.	1.0	0