Moshe Ben-Akiva

List of Publications by Year
in descending order

143	9,553	31976	40979
papers	citations	53	93
		h-index	g-index

146	146	146	5160
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid Choice Models: Progress and Challenges. Marketing Letters, 2002, 13, 163-175.	2.9	482
2	Consideration set influences on consumer decision-making and choice: Issues, models, and suggestions. Marketing Letters, 1991, 2, 181-197.	2.9	448
3	Dynamic network models and driver information systems. Transportation Research Part A: Policy and Practice, 1991, 25, 251-266.	0.2	396
4	Discrete Choice Methods and their Applications to Short Term Travel Decisions. Profiles in Operations Research, 1999, , 5-33.	0.4	372
5	Generalized random utility model. Mathematical Social Sciences, 2002, 43, 303-343.	0.5	372
6	Discrete choice models with latent choice sets. International Journal of Research in Marketing, 1995, 12, 9-24.	4.2	271
7	Estimation of switching models from revealed preferences and stated intentions. Transportation Research Part A: Policy and Practice, 1990, 24, 485-495.	0.2	266
8	Integrated driving behavior modeling. Transportation Research Part C: Emerging Technologies, 2007, 15, 96-112.	7.6	236
9	Incorporating random constraints in discrete models of choice set generation. Transportation Research Part B: Methodological, 1987, 21, 91-102.	5.9	228
10	Extended Framework for Modeling Choice Behavior. Marketing Letters, 1999, 10, 187-203.	2.9	219
11	A theoretical and empirical model of trip chaining behavior. Transportation Research Part B: Methodological, 1979, 13, 243-257.	5.9	202
12	A micro-simulation model of shipment size and transport chain choice. Transportation Research Part B: Methodological, 2007, 41, 950-965.	5.9	199
13	Adaptive route choices in risky traffic networks: A prospect theory approach. Transportation Research Part C: Emerging Technologies, 2010, 18, 727-740.	7.6	190
14	Evaluation of choice set generation algorithms for route choice models. Annals of Operations Research, 2006, 144, 235-247.	4.1	178
15	Happiness and travel mode switching: Findings from a Swiss public transportation experiment. Transport Policy, 2012, 19, 93-104.	6.6	162
16	Integration of an Activity-based Model System and a Residential Location Model. Urban Studies, 1998, 35, 1131-1153.	3.7	160
17	Optimal Inspection and Repair Policies for Infrastructure Facilities. Transportation Science, 1994, 28, 55-62.	4.4	155
18	Dynamic Model of Peak Period Traffic Congestion with Elastic Arrival Rates. Transportation Science, 1986, 20, 164-181.	4.4	145

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19	Nonlinear Kalman Filtering Algorithms for On-Line Calibration of Dynamic Traffic Assignment Models. IEEE Transactions on Intelligent Transportation Systems, 2007, 8, 661-670.	8.0	142
20	Network State Estimation and Prediction for Real-Time Traffic Management. Networks and Spatial Economics, 2001, 1, 293-318.	1.6	138
21	Stochastic Equilibrium Model of Peak Period Traffic Congestion. Transportation Science, 1983, 17, 430-453.	4.4	115
22	Empirical test of a constrained choice discrete model: Mode choice in São Paulo, Brazil. Transportation Research Part B: Methodological, 1987, 21, 103-115.	5.9	114
23	The Akaike Likelihood Ratio Index. Transportation Science, 1986, 20, 133-136.	4.4	112
24	The concept and impact analysis of a flexible mobility on demand system. Transportation Research Part C: Emerging Technologies, 2015, 56, 373-392.	7.6	108
25	Comparing ridership attraction of rail and bus. Transport Policy, 2002, 9, 107-116.	6.6	105
26	Identification of parameters in normal error component logit–mixture (NECLM) models. Journal of Applied Econometrics, 2007, 22, 1095-1125.	2.3	104
27	Dynamic model of peak period congestion. Transportation Research Part B: Methodological, 1984, 18, 339-355.	5.9	102
28	Calibration of Microscopic Traffic Simulation Models. Transportation Research Record, 2007, 1999, 198-207.	1.9	100
29	An enhanced SPSA algorithm for the calibration of Dynamic Traffic Assignment models. Transportation Research Part C: Emerging Technologies, 2015, 51, 149-166.	7.6	98
30	Foundations of Stated Preference Elicitation: Consumer Behavior and Choice-based Conjoint Analysis. Foundations and Trends in Econometrics, 2019, 10, 1-144.	1.4	98
31	Recent developments in national and international freight transport models within Europe. Transportation, 2013, 40, 347-371.	4.0	95
32	Text analysis in incident duration prediction. Transportation Research Part C: Emerging Technologies, 2013, 37, 177-192.	7.6	94
33	Analysis of the reliability of preference ranking data. Journal of Business Research, 1992, 24, 149-164.	10.2	91
34	Microsimulation of Demand and Supply of Autonomous Mobility On Demand. Transportation Research Record, 2016, 2564, 21-30.	1.9	90
35	Risk, uncertainty and discrete choice models. Marketing Letters, 2008, 19, 269-285.	2.9	89
36	Automated Mobility-on-Demand vs. Mass Transit: A Multi-Modal Activity-Driven Agent-Based Simulation Approach. Transportation Research Record, 2018, 2672, 608-618.	1.9	85

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37	Estimation of an integrated driving behavior model. Transportation Research Part C: Emerging Technologies, 2009, 17, 365-380.	7.6	83
38	Incorporating social interaction into hybrid choice models. Transportation, 2014, 41, 1263-1285.	4.0	79
39	Modeling Methods for Discrete Choice Analysis. Marketing Letters, 1997, 8, 273-286.	2.9	78
40	Attitudinal Market Segmentation Approach to Mode Choice and Ridership Forecasting: Structural Equation Modeling. Transportation Research Record, 2003, 1854, 32-42.	1.9	78
41	Analysis of the reliability of preference ranking data. Journal of Business Research, 1991, 23, 253-268.	10.2	77
42	Well-being and activity-based models. Transportation, 2012, 39, 1189-1207.	4.0	77
43	Game-Theoretic Formulations of Interaction Between Dynamic Traffic Control and Dynamic Traffic Assignment. Transportation Research Record, 1998, 1617, 179-188.	1.9	75
44	Offline Calibration of Dynamic Traffic Assignment. Transportation Research Record, 2007, 2003, 50-58.	1.9	75
45	The effect of social comparisons on commute well-being. Transportation Research, Part A: Policy and Practice, 2011, 45, 345-361.	4.2	75
46	D-efficient or deficient? A robustness analysis of stated choice experimental designs. Theory and Decision, 2018, 84, 215-238.	1.0	75
47	Recent Progress on Endogeneity in Choice Modeling. Marketing Letters, 2005, 16, 255-265.	2.9	70
48	Using Data From the Web to Predict Public Transport Arrivals Under Special Events Scenarios. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2015, 19, 273-288.	4.2	70
49	Process and context in choice models. Marketing Letters, 2012, 23, 439-456.	2.9	68
50	Exploratory Analysis of a Smartphone-Based Travel Survey in Singapore. Transportation Research Record, 2015, 2494, 45-56.	1.9	66
51	Discrete Choice Models with Applications to Departure Time and Route Choice. , 2003, , 7-37.		61
52	Multi-featured products and services: analysing pricing and bundling strategies. Journal of Forecasting, 1998, 17, 175-196.	2.8	60
53	Travel mode switching: Comparison of findings from two public transportation experiments. Transport Policy, 2012, 24, 48-59.	6.6	60
54	Modeling Revealed and Stated Pretrip Travel Response to Advanced Traveler Information Systems. Transportation Research Record, 1996, 1537, 46-54.	1.9	57

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55	Evaluation of freeway control using a microscopic simulation laboratory. Transportation Research Part C: Emerging Technologies, 2003, 11, 29-50.	7.6	55
56	Simulation-Based Framework for Transportation Network Management in Emergencies. Transportation Research Record, 2008, 2041, 80-88.	1.9	55
57	Calibration of Dynamic Traffic Assignment Models with Point-to-Point Traffic Surveillance. Transportation Research Record, 2009, 2090, 1-9.	1.9	55
58	Modeling Revealed and Stated Pretrip Travel Response to Advanced Traveler Information Systems. Transportation Research Record, 1996, 1537, 46-54.	1.9	53
59	Modeling Revealed and Stated En-Route Travel Response to Advanced Traveler Information Systems. Transportation Research Record, 1996, 1537, 38-45.	1.9	51
60	SimMobility Freight: An agent-based urban freight simulator for evaluating logistics solutions. Transportation Research, Part E: Logistics and Transportation Review, 2020, 141, 102017.	7.4	50
61	Evaluation of ramp control algorithms using microscopic traffic simulation. Transportation Research Part C: Emerging Technologies, 2002, 10, 229-256.	7.6	48
62	Stop Detection in Smartphone-based Travel Surveys. Transportation Research Procedia, 2015, 11, 218-226.	1.5	42
63	Online discrete choice models: Applications in personalized recommendations. Decision Support Systems, 2019, 119, 35-45.	5.9	42
64	Endogeneity in Residential Location Choice Models. Transportation Research Record, 2006, 1977, 60-66.	1.9	41
65	A practical policy-sensitive, activity-based, travel-demand model. Annals of Regional Science, 2011, 47, 517-541.	2.1	38
66	Simulation-based dynamic traffic assignment for short-term planning applications. Simulation Modelling Practice and Theory, 2011, 19, 450-462.	3.8	37
67	Adaptive Route Choice Models in Stochastic Time-Dependent Networks. Transportation Research Record, 2008, 2085, 136-143.	1.9	36
68	Dynamic Latent Plan Models. Journal of Choice Modelling, 2010, 3, 50-70.	2.3	34
69	A joint model of travel information acquisition and response to received messages. Transportation Research Part C: Emerging Technologies, 2013, 26, 61-77.	7.6	34
70	Hybrid Choice Models with Logit Kernel: Applicability to Large Scale Models[1]. , 2005, , 275-302.		33
71	Behavioral modeling of on-demand mobility services: general framework and application to sustainable travel incentives. Transportation, 2019, 46, 2017-2039.	4.0	33
72	Assessing the impacts of automated mobility-on-demand through agent-based simulation: A study of Singapore. Transportation Research, Part A: Policy and Practice, 2020, 138, 367-388.	4.2	33

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73	Modeling Revealed and Stated En-Route Travel Response to Advanced Traveler Information Systems. Transportation Research Record, 1996, 1537, 38-45.	1.9	32
74	W-SPSA in practice: Approximation of weight matrices and calibration of traffic simulation models. Transportation Research Part C: Emerging Technologies, 2015, 59, 129-146.	7.6	31
75	A DYNAMIC TRAFFIC MODEL SYSTEM FOR ATMS/ATIS OPERATIONS. I V H S Journal, 1994, 2, 1-19.	0.2	30
76	A Policy-Sensitive Model of Parking Choice for Commercial Vehicles in Urban Areas. Transportation Science, 2020, 54, 606-630.	4.4	30
77	Beware of black swans: Taking stock of the description–experience gap in decision under uncertainty. Marketing Letters, 2014, 25, 269-280.	2.9	29
78	Congestion tolling—dollars versus tokens: A comparative analysis. Transportation Research Part B: Methodological, 2018, 108, 261-280.	5.9	28
79	ANALYSIS OF A DYNAMIC RESIDENTIAL LOCATION CHOICE MODEL WITH TRANSACTION COSTS*. Journal of Regional Science, 1986, 26, 321-341.	3.3	27
80	Evaluating the impacts of shared automated mobility on-demand services: an activity-based accessibility approach. Transportation, 2021, 48, 1613-1638.	4.0	27
81	Improving Scalability of Generic Online Calibration for Real-Time Dynamic Traffic Assignment Systems. Transportation Research Record, 2018, 2672, 79-92.	1.9	25
82	Modelling preferences for smart modes and services: A case study in Lisbon. Transportation Research, Part A: Policy and Practice, 2018, 115, 15-31.	4.2	24
83	Context-aware stated preferences with smartphone-based travel surveys. Journal of Choice Modelling, 2019, 31, 35-50.	2.3	24
84	Calibration and Validation of Dynamic Traffic Assignment Systems. , 2005, , 407-426.		23
85	Methodological issues in modelling time-of-travel preferences. Transportmetrica A: Transport Science, 2013, 9, 846-859.	2.0	22
86	Enriching Activity-Based Models using Smartphone-Based Travel Surveys. Transportation Research Record, 2018, 2672, 280-291.	1.9	22
87	Towards disaggregate dynamic travel forecasting models. Tsinghua Science and Technology, 2007, 12, 115-130.	6.1	21
88	Bayesian estimator for Logit Mixtures with inter- and intra-consumer heterogeneity. Transportation Research Part B: Methodological, 2018, 117, 1-17.	5.9	21
89	Evaluating the systemic effects of automated mobility-on-demand services via large-scale agent-based simulation of auto-dependent prototype cities. Transportation Research, Part A: Policy and Practice, 2020, 140, 98-126.	4.2	20
90	A Model of Travel Happiness and Mode Switching. , 2010, , 289-305.		19

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91	Smartphone-Based Survey for Real-Time and Retrospective Happiness Related to Travel and Activities. Transportation Research Record, 2016, 2566, 102-110.	1.9	19
92	Modeling Framework and Implementation of Activity- and Agent-Based Simulation: An Application to the Greater Boston Area. Transportation Research Record, 2018, 2672, 146-157.	1.9	19
93	Cognitive cost in route choice with real-time information: An exploratory analysis. Transportation Research, Part A: Policy and Practice, 2011, 45, 916-926.	4.2	18
94	Exploring Benefits of Cargo-Cycles versus Trucks for Urban Parcel Delivery under Different Demand Scenarios. Transportation Research Record, 2020, 2674, 553-562.	1.9	18
95	Cognitive Cost in Route Choice with Real-Time Information: An Exploratory Analysis. Procedia, Social and Behavioral Sciences, 2011, 17, 136-149.	0.5	16
96	Personalized Menu Optimization with Preference Updater: A Boston Case Study. Transportation Research Record, 2018, 2672, 599-607.	1.9	16
97	Assessing Overnight Parking Infrastructure Policies for Commercial Vehicles in Cities Using Agent-Based Simulation. Sustainability, 2020, 12, 2673.	3.2	16
98	Activity Recognition for a Smartphone and Web-Based Human Mobility Sensing System. IEEE Intelligent Systems, 2018, 33, 5-23.	4.0	15
99	DynaMIT 2.0: The Next Generation Real-Time Dynamic Traffic Assignment System. , 2010, , .		14
100	Evaluation of diversion strategies using dynamic traffic assignment. Transportation Planning and Technology, 2011, 34, 199-216.	2.0	14
101	Hybrid choice models. , 2014, , .		14
102	Next-generation freight vehicle surveys: Supplementing truck GPS tracking with a driver activity survey. , 2018, , .		14
103	Evaluation of Freeway Lane Control for Incident Management. Journal of Transportation Engineering, 1999, 125, 495-501.	0.9	13
104	Wâ€"SPSA in Practice: Approximation of Weight Matrices and Calibration of Traffic Simulation Models. Transportation Research Procedia, 2015, 7, 233-253.	1.5	13
105	Exploring Algorithms for Revealing Freight Vehicle Tours, Tour-Types, and Tour-Chain-Types from GPS Vehicle Traces and Stop Activity Data. Journal of Big Data Analytics in Transportation, 2019, 1, 175-190.	3.0	13
106	A latent-class adaptive routing choice model in stochastic time-dependent networks. Transportation Research Part B: Methodological, 2019, 124, 1-17.	5.9	13
107	A Generic Future Mobility Sensing System for Travel Data Collection, Management, Fusion, and Visualization. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4149-4160.	8.0	12
108	Examining impacts of time-based pricing strategies in public transportation: A study of Singapore. Transportation Research, Part A: Policy and Practice, 2020, 140, 127-141.	4.2	12

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109	Evaluating Off-Peak Pricing Strategies in Public Transportation with an Activity-Based Approach. Transportation Research Record, 2016, 2544, 10-19.	1.9	11
110	Future Mobility Sensing: An Intelligent Mobility Data Collection and Visualization Platform. , 2018, , .		11
111	Formulation and solution approach for calibrating activity-based travel demand model-system via microsimulation. Transportation Research Part C: Emerging Technologies, 2020, 119, 102650.	7.6	11
112	Improving the accuracy and efficiency of online calibration for simulation-based Dynamic Traffic Assignment. Transportation Research Part C: Emerging Technologies, 2021, 128, 103195.	7.6	11
113	Minnesota Pay-as-You-Drive Pricing Experiment. Transportation Research Record, 2008, 2079, 8-14.	1.9	10
114	Routing Policy Choice Set Generation in Stochastic Time-Dependent Networks. Transportation Research Record, 2014, 2466, 76-86.	1.9	10
115	DTA2012 Symposium: Combining Disaggregate Route Choice Estimation with Aggregate Calibration of a Dynamic Traffic Assignment Model. Networks and Spatial Economics, 2015, 15, 559-581.	1.6	10
116	Dynamic Toll Pricing using Dynamic Traffic Assignment System with Online Calibration. Transportation Research Record, 2019, 2673, 532-546.	1.9	10
117	Hybrid Choice Models with Logit Kernel. , 2005, , 275-302.		10
118	A Simulation-Based Evaluation of a Cargo-Hitching Service for E-Commerce Using Mobility-on-Demand Vehicles. Future Transportation, 2021, 1, 639-656.	2.3	10
119	Simulation-Based Evaluation of Advanced Traveler Information Systems. Transportation Research Record, 2005, 1910, 90-98.	1.9	9
120	Planning and Action in a Model of Choice. , 2010, , 19-34.		9
121	Combining multiple imputation and control function methods to deal with missing data and endogeneity in discrete-choice models. Transportation Research Part B: Methodological, 2020, 142, 45-57.	5.9	9
122	Choice-driven dial-a-ride problem for demand responsive mobility service. Transportation Research Part B: Methodological, 2022, 161, 128-149.	5.9	9
123	A neural-embedded discrete choice model: Learning taste representation with strengthened interpretability. Transportation Research Part B: Methodological, 2022, 163, 166-186.	5.9	9
124	Enabling Bus Transit Service Quality Co-Monitoring Through Smartphone-Based Platform. Transportation Research Record, 2017, 2649, 42-51.	1.9	8
125	Endogeneity in adaptive choice contexts: Choice-based recommender systems and adaptive stated preferences surveys. Journal of Choice Modelling, 2020, 34, 100200.	2.3	7
126	Commodity flow estimation for a metropolitan scale freight modeling system: supplier selection considering distribution channel using an error component logit mixture model. Transportation, 2020, 47, 997-1025.	4.0	6

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127	Case Factors Affecting Hearing Aid Recommendations by Hearing Care Professionals. Journal of the American Academy of Audiology, 2015, 26, 229-246.	0.7	5
128	Personalized Choice Model for Managed Lane Travel Behavior. Transportation Research Record, 2020, 2674, 442-455.	1.9	5
129	Risk Aversion in Travel Mode Choice with Rank-Dependent Utility. Mathematical Population Studies, 2014, 21, 189-204.	2.2	2
130	Integrated simulation of activity-based demand and multi-modal dynamic supply for energy assessment. , 2018, , .		2
131	SMART mobility via prediction, optimization and personalization. , 2020, , 227-265.		2
132	Assessing the reproducibility of freight vehicle flows using tour and trip-based models for shipment-to-vehicle flow conversion. Simulation Modelling Practice and Theory, 2021, 107, 102207.	3.8	2
133	TIME-DEPENDENT ORIGIN-DESTINATION ESTIMATION WITHOUT ASSIGNMENT MATRICES. , 2009, , 201-213.		2
134	Household-based E-commerce demand modeling for an agent-based urban transportation simulation platform. Transportation Planning and Technology, 2022, 45, 179-201.	2.0	2
135	Towards Dynamic Bayesian Networks: State Augmentation for Online Calibration of DTA Systems. , 2018, , .		1
136	Alternative Activity Pattern Generation for Stated Preference Surveys. Transportation Research Record, 2018, 2672, 135-145.	1.9	1
137	Logit mixture with inter and intra-consumer heterogeneity and flexible mixing distributions. Journal of Choice Modelling, 2020, 35, 100188.	2.3	1
138	Laboratories for Research on Freight Systems and Planning. Urban Book Series, 2021, , 171-195.	0.6	1
139	Managing network congestion with a trip- and area-based tradable credit scheme. Transportmetrica B, 0, , 1-29.	2.3	1
140	The transaction cost approach to modeling the demand for automobiles. Journal of Advanced Transportation, 1987, 21, 173-193.	1.7	0
141	Special issue in the honor of Daniel McFadden: introduction. Theory and Decision, 2018, 84, 143-148.	1.0	0
142	Impact of Automated Mobility-On-Demand on Weekly Activity Patterns: A Study of Singapore. Transportation Research Record, 0, , 036119812210743.	1.9	0
143	Screenline-Based Two-Step Calibration and its Application to an Agent-Based Urban Freight Simulator. Transportation Research Record, 2023, 2677, 204-218.	1.9	0