

Shlomo Bekhor

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6775324/shlomo-bekhor-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102
papers

2,370
citations

27
h-index

46
g-index

105
ext. papers

2,686
ext. citations

3.7
avg, IF

5.3
L-index

#	Paper	IF	Citations
102	A variational autoencoder approach for choice set generation and implicit perception of alternatives in choice modeling. <i>Transportation Research Part B: Methodological</i> , 2022 , 158, 273-294	7.2	0
101	Residential Location Choice Models 2021 , 531-536		
100	A frequency based transit assignment model that considers online information and strict capacity constraints. <i>EURO Journal on Transportation and Logistics</i> , 2020 , 9, 100005	2.4	3
99	Extracting Travel Demand for Emergency Situations Using Location-Based Social Network Data. <i>Transportation Research Procedia</i> , 2020 , 45, 111-118	2.4	4
98	Impact of vehicle automation and electric propulsion on production costs for mobility services worldwide. <i>Transportation Research, Part A: Policy and Practice</i> , 2020 , 138, 105-126	3.7	13
97	An infeasible start heuristic for the transit route network design problem. <i>Transportmetrica A: Transport Science</i> , 2020 , 16, 388-408	2.5	3
96	The experienced mode choice set and its determinants: Commuting trips in the Netherlands. <i>Transportation Research, Part A: Policy and Practice</i> , 2020 , 132, 744-758	3.7	5
95	Data-driven choice set generation and estimation of route choice models. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 121, 102832	8.4	3
94	A multi-objective optimization model for urban planning: The case of a very large floating structure. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 98, 85-100	8.4	8
93	Exploring relationships between driving events identified by in-vehicle data recorders, infrastructure characteristics and road crashes. <i>Transportation Research Part C: Emerging Technologies</i> , 2018 , 91, 156-175	8.4	13
92	A frequency based transit assignment model that considers online information. <i>Transportation Research Part C: Emerging Technologies</i> , 2018 , 88, 17-30	8.4	19
91	Network Analysis of the Tel Aviv Mass Transit Plan. <i>Urban Rail Transit</i> , 2018 , 4, 23-34	1.5	4
90	Analysis of evacuation behavior in a wildfire event. <i>International Journal of Disaster Risk Reduction</i> , 2018 , 31, 1366-1373	4.5	39
89	The relationship between travel speeds, infrastructure characteristics, and crashes on two-lane highways. <i>Journal of Transportation Safety and Security</i> , 2018 , 10, 545-571	1.7	3
88	Speed variation for different drivers, situations, and road geometry: Simulator and survey analysis. <i>Journal of Transportation Safety and Security</i> , 2018 , 10, 25-44	1.7	6
87	Structural equations modelling of drivers' speed selection using environmental, driver, and risk factors. <i>Accident Analysis and Prevention</i> , 2018 , 116, 21-29	6.1	20
86	Enriching Activity-Based Models using Smartphone-Based Travel Surveys. <i>Transportation Research Record</i> , 2018 , 2672, 280-291	1.7	15

85	Path Flow and Trip Matrix Estimation Using Link Flow Density. <i>Networks and Spatial Economics</i> , 2017 , 17, 173-195	1.9	13
84	An airline itinerary choice model that includes the option to delay the decision. <i>Transportation Research, Part A: Policy and Practice</i> , 2017 , 96, 64-78	3.7	5
83	An Alternative Approach for Solving the Environmentally-Oriented Discrete Network Design Problem. <i>Networks and Spatial Economics</i> , 2017 , 17, 963-988	1.9	7
82	The Relationship between Free-Flow Travel Speeds, Infrastructure Characteristics and Accidents, on Single-Carriageway Roads. <i>Transportation Research Procedia</i> , 2017 , 25, 2026-2043	2.4	9
81	Network design problem considering system time minimization and road safety maximization: formulation and solution approaches. <i>Transportmetrica A: Transport Science</i> , 2017 , 13, 829-851	2.5	4
80	The impact of road networks in urban distribution spatial 2017 , 939-946		
79	Multi-objective network design problem considering system time minimization and road safety maximization 2017 , 931-938		
78	A parsimonious heuristic for the discrete network design problem. <i>Transportmetrica A: Transport Science</i> , 2016 , 12, 43-64	2.5	7
77	Aggregated GPS tracking of vehicles and its use as a proxy of traffic-related air pollution emissions. <i>Atmospheric Environment</i> , 2016 , 142, 351-359	5.3	18
76	Incorporating Ridesharing in the Static Traffic Assignment Model. <i>Networks and Spatial Economics</i> , 2016 , 16, 1125-1149	1.9	22
75	The Identification of Infrastructure Characteristics Influencing Travel Speeds on Single-carriageway Roads to Promote Self-explaining Roads. <i>Transportation Research Procedia</i> , 2016 , 14, 4160-4169	2.4	13
74	Reducing Vehicle Pollutant Emissions in Urban Areas with Alternative Parking Policies 2015 , 445-460		1
73	A personalized GeoSocial app for surviving an earthquake 2015 ,		4
72	On the Rationality and Optimality of Transportation Networks Defense 2015 , 35-63		9
71	Individual Selection of Driving Speeds: Analysis of a Stated Preference Survey. <i>Journal of Transportation Safety and Security</i> , 2015 , 7, 291-306	1.7	5
70	Investigation of travel patterns using passive cellular phone data. <i>Journal of Location Based Services</i> , 2015 , 9, 93-112	1.9	7
69	Accounting for sensation seeking in route choice behavior with travel time information. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2014 , 22, 39-49	4.5	33
68	Properties of Dynamic Freeway Network Flexibility Model. <i>Transportation Research Record</i> , 2014 , 2466, 98-104	1.7	

67	A latent class model with fuzzy segmentation and weighted variables. <i>Transportmetrica A: Transport Science</i> , 2014 , 10, 878-893	2.5	1
66	Using the Artificial Neural Networks Methodology to Predict the Vertical Swelling Percentage of Expansive Clays. <i>Journal of Materials in Civil Engineering</i> , 2014 , 26, 06014007	3	2
65	Prediction of the Vertical Swelling Percentage of Expansive Clays Using a Two-Stage Artificial Neural Networks Methodology. <i>Journal of Testing and Evaluation</i> , 2014 , 42, 20130162	1	1
64	A flexible model structure approach for discrete choice models. <i>Transportation</i> , 2013 , 40, 609-624	4	7
63	A congestion-dependent, Dynamic Flexibility Model of freeway networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2013 , 35, 104-114	8.4	4
62	Data-driven nonlinear optimisation of a simple air pollution dispersion model generating high resolution spatiotemporal exposure. <i>Atmospheric Environment</i> , 2013 , 79, 261-270	5.3	22
61	Limitation of the Artificial Neural Networks Methodology for Predicting the Vertical Swelling Percentage of Expansive Clays. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 1731-1741	3	6
60	Augmented Betweenness Centrality for Environmentally Aware Traffic Monitoring in Transportation Networks. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2013 , 17, 91-105	3.2	48
59	Evaluating long-distance travel patterns in Israel by tracking cellular phone positions. <i>Journal of Advanced Transportation</i> , 2013 , 47, 435-446	1.9	44
58	Free-Flow Travel Speed Analysis and Monitoring at the National Level Using Global Positioning System Measurements. <i>Journal of Transportation Engineering</i> , 2013 , 139, 1235-1243		15
57	Latent variables and route choice behavior. <i>Transportation</i> , 2012 , 39, 299-319	4	73
56	Flexible model structure for discrete-choice models. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2012 , 165, 39-47	0.5	0
55	Stochastic User Equilibrium for Route Choice Model Based on Random Regret Minimization. <i>Transportation Research Record</i> , 2012 , 2284, 100-108	1.7	25
54	Web-based survey design for unravelling semi-compensatory choice in transport and urban planning. <i>Transportation Planning and Technology</i> , 2012 , 35, 121-143	1.6	7
53	Development and estimation of a semi-compensatory model with a flexible error structure. <i>Transportation Research Part B: Methodological</i> , 2012 , 46, 291-304	7.2	16
52	Path-Based Algorithms to Solve C-Logit Stochastic User Equilibrium Assignment Problem. <i>Transportation Research Record</i> , 2012 , 2279, 21-30	1.7	27
51	Hybrid Compensatory/Noncompensatory Choice Sets in Semicompensatory Models. <i>Transportation Research Record</i> , 2012 , 2322, 10-19	1.7	2
50	Framework and Model for Parking Decisions. <i>Transportation Research Record</i> , 2012 , 2319, 30-38	1.7	11

49	An examination of the national road-safety programs in the ten world's leading countries in road safety. <i>European Transport Research Review</i> , 2012 , 4, 175-188	3.7	4
48	Mapping patterns of pedestrian fatal accidents in Israel. <i>Accident Analysis and Prevention</i> , 2012 , 44, 56-62	6.1	44
47	C-logit stochastic user equilibrium model: formulations and solution algorithm. <i>Transportmetrica</i> , 2012 , 8, 17-41		101
46	Drivers' Irrationality in Evaluating Risks on Two-Lane Highways. <i>Journal of Transportation Safety and Security</i> , 2012 , 4, 67-82	1.7	4
45	Pattern Recognition and Classification of Fatal Traffic Accidents in Israel: A Neural Network Approach. <i>Journal of Transportation Safety and Security</i> , 2011 , 3, 304-323	1.7	3
44	Eliciting and estimating reservation price: A semi-compensatory approach. <i>Journal of Business Research</i> , 2011 , 64, 45-50	8.7	6
43	Analysis of travel behavior in Arab communities in Israel: a comparison of household surveys. <i>Journal of Transport Geography</i> , 2011 , 19, 162-169	5.2	3
42	Route choice behaviour with pre-trip travel time information. <i>IET Intelligent Transport Systems</i> , 2011 , 5, 183	2.4	24
41	Development and estimation of a semi-compensatory residential choice model based on explicit choice protocols. <i>Annals of Regional Science</i> , 2011 , 47, 51-80	1.1	8
40	Integration of Activity-Based and Agent-Based Models: Case of Tel Aviv, Israel. <i>Transportation Research Record</i> , 2011 , 2255, 38-47	1.7	32
39	Specification and Estimation of Mode Choice Model Capturing Similarity between Mixed Auto and Transit Alternatives. <i>Journal of Choice Modelling</i> , 2010 , 3, 29-49	3.8	6
38	A passing gap acceptance model for two-lane rural highways. <i>Transportmetrica</i> , 2009 , 5, 159-172		64
37	A Path-Based Algorithm for the Cross-Nested Logit Stochastic User Equilibrium Traffic Assignment. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2009 , 24, 15-25	8.4	40
36	A dynamic traffic assignment model for the assessment of moving bottlenecks. <i>Transportation Research Part C: Emerging Technologies</i> , 2009 , 17, 240-258	8.4	18
35	Risk evaluation by modeling of passing behavior on two-lane rural highways. <i>Accident Analysis and Prevention</i> , 2009 , 41, 887-94	6.1	71
34	Methodological transferability in route choice modeling. <i>Transportation Research Part B: Methodological</i> , 2009 , 43, 422-437	7.2	19
33	Two-Stage Model for Jointly Revealing Determinants of Noncompensatory Conjunctive Choice Set Formation and Compensatory Choice. <i>Transportation Research Record</i> , 2009 , 2134, 153-163	1.7	9
32	Intercity Person Trip Tables for Nationwide Transportation Planning in Israel Obtained from Massive Cell Phone Data. <i>Transportation Research Record</i> , 2009 , 2121, 145-151	1.7	15

31	GEV-based destination choice models that account for unobserved similarities among alternatives. <i>Transportation Research Part B: Methodological</i> , 2008 , 42, 243-262	7.2	48
30	Association of risk proneness in overtaking maneuvers with impaired decision making. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2008 , 11, 313-323	4.5	26
29	DISCRETE CHOICE MODELING OF COMBINED MODE AND DEPARTURE TIME. <i>Transportmetrica</i> , 2008 , 4, 155-177		27
28	EFFECTS OF CHOICE SET SIZE AND ROUTE CHOICE MODELS ON PATH-BASED TRAFFIC ASSIGNMENT. <i>Transportmetrica</i> , 2008 , 4, 117-133		70
27	The Factor of Revisited Path Size: Alternative Derivation. <i>Transportation Research Record</i> , 2008 , 2076, 132-140	1.7	64
26	Travel behavior of special population groups. <i>Transportation</i> , 2008 , 35, 579-583	4	11
25	Equity Impacts of Transportation Improvements On Core and Peripheral Cities. <i>Journal of Transport and Land Use</i> , 2008 , 1,	3.1	5
24	Land use variables in trip generation models: The case of the light rail transit in Tel Aviv 2008 , 385-413		
23	Evolution of clusters in dynamic point patterns: with a case study of Ants' simulation. <i>International Journal of Geographical Information Science</i> , 2007 , 21, 777-797	4.1	4
22	Application of Cross-Nested Logit Route Choice Model in Stochastic User Equilibrium Traffic Assignment. <i>Transportation Research Record</i> , 2007 , 2003, 41-49	1.7	21
21	Modeling Route Choice Behavior: How Relevant Is the Composition of Choice Set?. <i>Transportation Research Record</i> , 2007 , 2003, 64-73	1.7	63
20	Investment in Mobility by Car as an Explanatory Variable for Market Segmentation. <i>Journal of Public Transportation</i> , 2007 , 10, 17-32	26.8	4
19	Applying Branch-and-Bound Technique to Route Choice Set Generation. <i>Transportation Research Record</i> , 2006 , 1985, 19-28	1.7	64
18	Evaluation of choice set generation algorithms for route choice models. <i>Annals of Operations Research</i> , 2006 , 144, 235-247	3.2	151
17	Investigating path-based solution algorithms to the stochastic user equilibrium problem. <i>Transportation Research Part B: Methodological</i> , 2005 , 39, 279-295	7.2	73
16	Route Choice Models 2004 , 23-45		9
15	Route Choice Models Used in the Stochastic User Equilibrium Problem: A Review. <i>Transport Reviews</i> , 2004 , 24, 437-463	9.9	130
14	Car-Rider Segmentation According to Riding Status and Investment in Car Mobility. <i>Transportation Research Record</i> , 2004 , 1894, 109-116	1.7	12

13	Adaptation of Logit Kernel to Route Choice Situation. <i>Transportation Research Record</i> , 2002 , 1805, 78-85	1.7	81
12	Stochastic User Equilibrium Formulation for Generalized Nested Logit Model. <i>Transportation Research Record</i> , 2001 , 1752, 84-90	1.7	77
11	Congestion, Stochastic, and Similarity Effects in Stochastic User-Equilibrium Models. <i>Transportation Research Record</i> , 2000 , 1733, 80-87	1.7	17
10	Some observations on stochastic user equilibrium and system optimum of traffic assignment. <i>Transportation Research Part B: Methodological</i> , 2000 , 34, 277-291	7.2	30
9	Link-Nested Logit Model of Route Choice: Overcoming Route Overlapping Problem. <i>Transportation Research Record</i> , 1998 , 1645, 133-142	1.7	143
8	Investigation of Stochastic Network Loading Procedures. <i>Transportation Research Record</i> , 1998 , 1645, 94-102	1.7	76
7	A Model for Evaluating Conflict Characteristics at Multiple Airway Intersections. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1997 , 30, 351-358		
6	Investigation of Conflict Characteristics at Airway Intersections. <i>Journal of Transportation Engineering</i> , 1994 , 120, 843-859		2
5	Modular multi-dimensional tool for emergency evacuation including location-based social network data. <i>Journal of Location Based Services</i> , 1-22	1.9	
4	Methodology for Exploratory Analysis of Latent Factors Influencing Drivers' Behavior		9
3	Modeling Passengers' Preferences on a Short-Haul Domestic Airline with Rank-Ordered Data		1
2	Applying Branch-and-Bound Technique to Route Choice Set Generation		51
1	A Dynamic Tree Algorithm for Peer-to-Peer Ridesharing Matching. <i>Networks and Spatial Economics</i> , 1	1.9	1