

# Otto Anker Nielsen

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

1,805  
citations

236925

25  
h-index

315739

38  
g-index

85  
all docs

85  
docs citations

85  
times ranked

1314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Choice set robustness and internal consistency in correlation-based logit stochastic user equilibrium models. <i>Transportmetrica A: Transport Science</i> , 2023, 19, .	2.0	1
2	Understanding passengers'™ fear of crime at train stations through neighbourhood types: a typological study of the Copenhagen metropolitan area. <i>Journal of Urbanism</i> , 2022, 15, 17-38.	0.9	4
3	A bounded path size route choice model excluding unrealistic routes: formulation and estimation from a large-scale GPS study. <i>Transportmetrica A: Transport Science</i> , 2022, 18, 435-493.	2.0	4
4	Lexicographic multi-objective road pricing optimization considering land use and transportation effects. <i>European Journal of Operational Research</i> , 2022, 298, 496-509.	5.7	16
5	The influence of vicinity to stations, station characteristics and perceived safety on public transport mode choice: a case study from Copenhagen. <i>Public Transport</i> , 2022, 14, 459-480.	2.7	5
6	Path-oriented synchronized transit scheduling using time-dependent data. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 136, 103505.	7.6	7
7	Integrated Optimization of Transit Networks with Schedule- and Frequency-Based Services Subject to the Bounded Stochastic User Equilibrium. <i>Transportation Science</i> , 2022, 56, 1452-1468.	4.4	9
8	Relevance of detailed transfer attributes in large-scale multimodal route choice models for metropolitan public transport passengers. <i>Transportation Research, Part A: Policy and Practice</i> , 2021, 147, 76-92.	4.2	13
9	Impacts of real-time information levels in public transport: A large-scale case study using an adaptive passenger path choice model. <i>Transportation Research, Part A: Policy and Practice</i> , 2021, 148, 155-182.	4.2	6
10	Public Transport Use and Satisfaction by International Students and Researchers. <i>Sustainability</i> , 2021, 13, 8417.	3.2	6
11	Calculating conditional passenger travel time distributions in mixed schedule- and frequency-based public transport networks using Markov chains. <i>Transportation Research Part B: Methodological</i> , 2021, 152, 1-17.	5.9	7
12	Impacts of long-term service disruptions on passenger travel behaviour: A smart card analysis from the Greater Copenhagen area. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 131, 103198.	7.6	17
13	Transport behavior-mining from smartphones: a review. <i>European Transport Research Review</i> , 2021, 13, .	4.8	8
14	Existence, relatedness and growth needs as mediators between mode choice and travel satisfaction: evidence from Denmark. <i>Transportation</i> , 2020, 47, 337-358.	4.0	17
15	Determination of infrastructure capacity in railway networks without the need for a fixed timetable. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 119, 102751.	7.6	11
16	Risk-averse optimization of disaster relief facility location and vehicle routing under stochastic demand. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 141, 102015.	7.4	64
17	Stop detection for smartphone-based travel surveys using geo-spatial context and artificial neural networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 121, 102834.	7.6	10
18	Modeling and optimizing a fare incentive strategy to manage queuing and crowding in mass transit systems. <i>Transportation Research Part B: Methodological</i> , 2020, 138, 247-267.	5.9	42

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19	Path Size Logit route choice models: Issues with current models, a new internally consistent approach, and parameter estimation on a large-scale network with GPS data. <i>Transportation Research Part B: Methodological</i> , 2020, 135, 1-40.	5.9	24
20	Optimizing airport infrastructure for a country: The case of Greenland. <i>Research in Transportation Economics</i> , 2020, 79, 100773.	4.1	8
21	Fear follows form: A study of the relationship between neighborhood type, income and fear of crime at train stations. <i>Journal of Transport and Land Use</i> , 2020, 13, 585-603.	1.2	5
22	Fast or forced to follow: A speed heterogeneous approach to congested multi-lane bicycle traffic simulation. <i>Transportation Research Part B: Methodological</i> , 2019, 127, 72-98.	5.9	10
23	OpenTrack simulation model files and output dataset for a copenhagen suburban railway. <i>Data in Brief</i> , 2019, 25, 103952.	1.0	6
24	An assignment model for public transport networks with both schedule- and frequency-based services. <i>EURO Journal on Transportation and Logistics</i> , 2019, 8, 769-793.	2.2	5
25	Use intention of mobility-management travel apps: The role of users goals, technophile attitude and community trust. <i>Transportation Research, Part A: Policy and Practice</i> , 2019, 126, 114-135.	4.2	31
26	The relationship between norms, satisfaction and public transport use: A comparison across six European cities using structural equation modelling. <i>Transportation Research, Part A: Policy and Practice</i> , 2019, 126, 37-57.	4.2	51
27	A closed form railway line delay propagation model. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 102, 189-209.	7.6	26
28	Participating in environmental loyalty program with a real-time multimodal travel app: User needs, environmental and privacy motivators. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 67, 223-243.	6.8	32
29	A disaggregate freight transport chain choice model for Europe. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 121, 43-62.	7.4	35
30	Evaluation of land-use and transport network effects on cyclists' route choices in the Copenhagen Region in value-of-distance space. <i>International Journal of Sustainable Transportation</i> , 2018, 12, 770-781.	4.1	32
31	Passenger arrival and waiting time distributions dependent on train service frequency and station characteristics: A smart card data analysis. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 90, 292-306.	7.6	93
32	Reducing passengers' travel time by optimising stopping patterns in a large-scale network: A case-study in the Copenhagen Region. <i>Transportation Research, Part A: Policy and Practice</i> , 2018, 113, 197-212.	4.2	14
33	Effects of new bus and rail rapid transit systems – an international review. <i>Transport Reviews</i> , 2018, 38, 96-116.	8.8	70
34	Output variability caused by random seeds in a multi-agent transport simulation model. <i>Procedia Computer Science</i> , 2018, 130, 850-857.	2.0	10
35	How urban density, network topology and socio-economy influence public transport ridership: Empirical evidence from 48 European metropolitan areas. <i>Journal of Transport Geography</i> , 2018, 72, 50-63.	5.0	58
36	Stochastic user equilibrium with a bounded choice model. <i>Transportation Research Part B: Methodological</i> , 2018, 114, 254-280.	5.9	30

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37	Application of Data Clustering to Railway Delay Pattern Recognition. Journal of Advanced Transportation, 2018, 2018, 1-18.	1.7	35
38	Multimodal route choice models of public transport passengers in the Greater Copenhagen Area. EURO Journal on Transportation and Logistics, 2017, 6, 221-245.	2.2	43
39	DYNAMIC QUEUING TRANSMISSION MODEL FOR DYNAMIC NETWORK LOADING. Transport, 2017, 32, 146-159.	1.2	2
40	Latent lifestyle and mode choice decisions when travelling short distances. Transportation, 2017, 44, 1343-1363.	4.0	34
41	Home-end and activity-end preferences for access to and egress from train stations in the Copenhagen region. International Journal of Sustainable Transportation, 2017, 11, 776-786.	4.1	43
42	Analysing improvements to on-street public transport systems: a mesoscopic model approach. Public Transport, 2017, 9, 385-409.	2.7	5
43	Strategic assessment of capacity consumption in railway networks: Framework and model. Transportation Research Part C: Emerging Technologies, 2017, 74, 126-149.	7.6	26
44	Road signage comprehension and overload: the role of driving style and need for closure. Transportation Research Procedia, 2017, 24, 442-449.	1.5	6
45	The role of information systems in non-routine transit use of university students: Evidence from Brazil and Denmark. Transportation Research, Part A: Policy and Practice, 2017, 95, 34-48.	4.2	10
46	Modelling production-consumption flows of goods in Europe: the trade model within Transtools3. Journal of Shipping and Trade, 2017, 2, .	1.9	8
47	Smart cyber systems incorporating human-in-the-loop towards ergonomic and sustainable transport systems. , 2017, , 875-882.		1
48	Passenger Perspectives in Railway Timetabling: A Literature Review. Transport Reviews, 2016, 36, 500-526.	8.8	72
49	Improved methods to deduct trip legs and mode from travel surveys using wearable GPS devices: A case study from the Greater Copenhagen area. Computers, Environment and Urban Systems, 2015, 54, 301-313.	7.1	42
50	How uncertainty in input and parameters influences transport model :output A four-stage model case-study. Transport Policy, 2015, 38, 64-72.	6.6	16
51	Stochastic user equilibrium with equilibrated choice sets: Part II " Solving the restricted SUE for the logit family. Transportation Research Part B: Methodological, 2015, 77, 146-165.	5.9	19
52	Stochastic user equilibrium with equilibrated choice sets: Part I " Model formulations under alternative distributions and restrictions. Transportation Research Part B: Methodological, 2015, 77, 166-181.	5.9	28
53	Estimating passenger numbers in trains using existing weighing capabilities. Transportmetrica A: Transport Science, 2014, 10, 502-517.	2.0	24
54	User perspectives in public transport timetable optimisation. Transportation Research Part C: Emerging Technologies, 2014, 48, 269-284.	7.6	77

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55	Effects of Uncertainty in Speedâ€“Flow Curve Parameters on a Large-Scale Model. Transportation Research Record, 2014, 2429, 30-37.	1.9	3
56	Estimating Value of Congestion and of Reliability from Observation of Route Choice Behavior of Car Drivers. Transportation Research Record, 2014, 2412, 20-27.	1.9	20
57	Evaluation of robustness indicators using railway operation simulation. WIT Transactions on the Built Environment, 2014, , .	0.0	1
58	The New Line Copenhagen-Ringsted: the benefits from EU railway benchmarking. , 2012, , .		0
59	Socioeconomic differences in public acceptability and car use adaptation towards urban road pricing. Transport Policy, 2011, 18, 685-694.	6.6	38
60	Passenger delay models for rail networks. Operations Research/ Computer Science Interfaces Series, 2009, , 1-23.	0.3	6
61	Estimation of speedâ€“flow and flowâ€“density relations on the motorway network in the greater Copenhagen region. IET Intelligent Transport Systems, 2008, 2, 120.	3.0	7
62	Improving and optimising road pricing proposals for Copenhagen. Proceedings of the Institution of Civil Engineers: Transport, 2008, 161, 123-134.	0.6	2
63	Public acceptability change of urban road pricing schemes. Proceedings of the Institution of Civil Engineers: Transport, 2008, 161, 111-121.	0.6	11
64	External Effects and Road Charging. , 2008, , 267-276.		1
65	Car Usersâ€™ Trade-Offs Between Time, Trip Length, Cost and Road Pricing in Behavioural Models. Advances in Spatial Science, 2008, , 351-374.	0.6	3
66	The AKTA Road Pricing Experiment in Copenhagen. , 2008, , 93-109.		4
67	A socio-economic assessment of proposed road user charging schemes in Copenhagen. Transport Policy, 2007, 14, 330-345.	6.6	27
68	Road Pricing and its Consequences for Individual Travel Patterns. Mobilities, 2007, 2, 75-98.	3.8	4
69	Optimisation of timetable-based, stochastic transit assignment models based on MSA. Annals of Operations Research, 2006, 144, 263-285.	4.1	34
70	Simulation of disturbances and modelling of expected train passenger delays. WIT Transactions on the Built Environment, 2006, , .	0.0	7
71	An analysis of stand-alone GPS quality and simulated GNSS quality for road pricing. WIT Transactions on the Built Environment, 2006, , .	0.0	0
72	Behavioral Responses to Road Pricing Schemes: Description of the Danish AKTA Experiment. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2004, 8, 233-251.	4.2	56

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73	ASSESSMENT OF TRAFFIC NOISE IMPACTS. International Journal of Environmental Studies, 2004, 61, 19-29.	1.6	32
74	A Large Scale Stochastic Multi-Class Schedule-Based Transit Model with Random Coefficients. Operations Research/ Computer Science Interfaces Series, 2004, , 53-77.	0.3	9
75	A Stochastic Route Choice Model for Car Travellers in the Copenhagen Region. Networks and Spatial Economics, 2002, 2, 327-346.	1.6	41
76	A Large-scale Model System for the Copenhagen-Ringsted Railway Project. , 2001, , 603-626.		9
77	Large Scale Model Systems. , 2001, , 315-325.		0
78	A stochastic transit assignment model considering differences in passengers utility functions. Transportation Research Part B: Methodological, 2000, 34, 377-402.	5.9	154
79	Stochastic User Equilibrium Traffic Assignment with Turn-delays in Intersections. International Transactions in Operational Research, 1998, 5, 555-568.	2.7	20
80	Using Expert System Rules to Establish Data for Intersections and Turns in Road Networks. International Transactions in Operational Research, 1998, 5, 569-581.	2.7	15
81	Two New Methods for Estimating Trip Matrices from Traffic Counts. , 1998, , 221-250.		7
82	Using GIS in Denmark for traffic planning and decision support. Journal of Advanced Transportation, 1995, 29, 335-354.	1.7	4
83	Incorporating psychological needs in commute mode choice modelling: a hybrid choice framework. Transportation, 0, , 1.	4.0	2