

# Otto Anker Nielsen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1390002/publications.pdf>

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	A stochastic transit assignment model considering differences in passengers utility functions. Transportation Research Part B: Methodological, 2000, 34, 377-402.	5.9	154
2	Passenger arrival and waiting time distributions dependent on train service frequency and station characteristics: A smart card data analysis. Transportation Research Part C: Emerging Technologies, 2018, 90, 292-306.	7.6	93
3	User perspectives in public transport timetable optimisation. Transportation Research Part C: Emerging Technologies, 2014, 48, 269-284.	7.6	77
4	Passenger Perspectives in Railway Timetabling: A Literature Review. Transport Reviews, 2016, 36, 500-526.	8.8	72
5	Effects of new bus and rail rapid transit systems – an international review. Transport Reviews, 2018, 38, 96-116.	8.8	70
6	Risk-averse optimization of disaster relief facility location and vehicle routing under stochastic demand. Transportation Research, Part E: Logistics and Transportation Review, 2020, 141, 102015.	7.4	64
7	How urban density, network topology and socio-economy influence public transport ridership: Empirical evidence from 48 European metropolitan areas. Journal of Transport Geography, 2018, 72, 50-63.	5.0	58
8	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
9	The relationship between norms, satisfaction and public transport use: A comparison across six European cities using structural equation modelling. Transportation Research, Part A: Policy and Practice, 2019, 126, 37-57.	4.2	51
10	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
11	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
12	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
13	Modeling and optimizing a fare incentive strategy to manage queuing and crowding in mass transit systems. Transportation Research Part B: Methodological, 2020, 138, 247-267.	5.9	42
14	A Stochastic Route Choice Model for Car Travellers in the Copenhagen Region. Networks and Spatial Economics, 2002, 2, 327-346.	1.6	41
15	Socioeconomic differences in public acceptability and car use adaptation towards urban road pricing. Transport Policy, 2011, 18, 685-694.	6.6	38
16	Application of Data Clustering to Railway Delay Pattern Recognition. Journal of Advanced Transportation, 2018, 2018, 1-18.	1.7	35
17	A disaggregate freight transport chain choice model for Europe. Transportation Research, Part E: Logistics and Transportation Review, 2019, 121, 43-62.	7.4	35
18	Optimisation of timetable-based, stochastic transit assignment models based on MSA. Annals of Operations Research, 2006, 144, 263-285.	4.1	34

#	ARTICLE	IF	CITATIONS
19	Latent lifestyle and mode choice decisions when travelling short distances. <i>Transportation</i> , 2017, 44, 1343-1363.	4.0	34
20	ASSESSMENT OF TRAFFIC NOISE IMPACTS. <i>International Journal of Environmental Studies</i> , 2004, 61, 19-29.	1.6	32
21	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
22	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
23	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
24	Stochastic user equilibrium with a bounded choice model. <i>Transportation Research Part B: Methodological</i> , 2018, 114, 254-280.	5.9	30
25	Stochastic user equilibrium with equilibrated choice sets: Part I – Model formulations under alternative distributions and restrictions. <i>Transportation Research Part B: Methodological</i> , 2015, 77, 166-181.	5.9	28
26	A socio-economic assessment of proposed road user charging schemes in Copenhagen. <i>Transport Policy</i> , 2007, 14, 330-345.	6.6	27
27	Strategic assessment of capacity consumption in railway networks: Framework and model. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 74, 126-149.	7.6	26
28	A closed form railway line delay propagation model. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 102, 189-209.	7.6	26
29	Estimating passenger numbers in trains using existing weighing capabilities. <i>Transportmetrica A: Transport Science</i> , 2014, 10, 502-517.	2.0	24
30	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
31	Stochastic User Equilibrium Traffic Assignment with Turn-delays in Intersections. <i>International Transactions in Operational Research</i> , 1998, 5, 555-568.	2.7	20
32	Estimating Value of Congestion and of Reliability from Observation of Route Choice Behavior of Car Drivers. <i>Transportation Research Record</i> , 2014, 2412, 20-27.	1.9	20
33	Stochastic user equilibrium with equilibrated choice sets: Part II – Solving the restricted SUE for the logit family. <i>Transportation Research Part B: Methodological</i> , 2015, 77, 146-165.	5.9	19
34	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
35	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
36	How uncertainty in input and parameters influences transport model :output A four-stage model case-study. <i>Transport Policy</i> , 2015, 38, 64-72.	6.6	16

#	ARTICLE	IF	CITATIONS
37	Lexicographic multi-objective road pricing optimization considering land use and transportation effects. European Journal of Operational Research, 2022, 298, 496-509.	5.7	16
38	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
39	Reducing passengers'™ travel time by optimising stopping patterns in a large-scale network: A case-study in the Copenhagen Region. Transportation Research, Part A: Policy and Practice, 2018, 113, 197-212.	4.2	14
40	Relevance of detailed transfer attributes in large-scale multimodal route choice models for metropolitan public transport passengers. Transportation Research, Part A: Policy and Practice, 2021, 147, 76-92.	4.2	13
41	Public acceptability change of urban road pricing schemes. Proceedings of the Institution of Civil Engineers: Transport, 2008, 161, 111-121.	0.6	11
42	Determination of infrastructure capacity in railway networks without the need for a fixed timetable. Transportation Research Part C: Emerging Technologies, 2020, 119, 102751.	7.6	11
43	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
44	Output variability caused by random seeds in a multi-agent transport simulation model. Procedia Computer Science, 2018, 130, 850-857.	2.0	10
45	Fast or forced to follow: A speed heterogeneous approach to congested multi-lane bicycle traffic simulation. Transportation Research Part B: Methodological, 2019, 127, 72-98.	5.9	10
46	Stop detection for smartphone-based travel surveys using geo-spatial context and artificial neural networks. Transportation Research Part C: Emerging Technologies, 2020, 121, 102834.	7.6	10
47	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
48	A Large-scale Model System for the Copenhagen-Ringsted Railway Project. , 2001, , 603-626.		9
49	Integrated Optimization of Transit Networks with Schedule- and Frequency-Based Services Subject to the Bounded Stochastic User Equilibrium. Transportation Science, 2022, 56, 1452-1468.	4.4	9
50	Modelling production-consumption flows of goods in Europe: the trade model within Transtools3. Journal of Shipping and Trade, 2017, 2, .	1.9	8
51	Optimizing airport infrastructure for a country: The case of Greenland. Research in Transportation Economics, 2020, 79, 100773.	4.1	8
52	Transport behavior-mining from smartphones: a review. European Transport Research Review, 2021, 13, .	4.8	8
53	Estimation of speed'™flow and flow'™density relations on the motorway network in the greater Copenhagen region. IET Intelligent Transport Systems, 2008, 2, 120.	3.0	7
54	Calculating conditional passenger travel time distributions in mixed schedule- and frequency-based public transport networks using Markov chains. Transportation Research Part B: Methodological, 2021, 152, 1-17.	5.9	7

#	ARTICLE	IF	CITATIONS
55	Two New Methods for Estimating Trip Matrices from Traffic Counts. , 1998, , 221-250.		7
56	Simulation of disturbances and modelling of expected train passenger delays. WIT Transactions on the Built Environment, 2006, , .	0.0	7
57	Path-oriented synchronized transit scheduling using time-dependent data. Transportation Research Part C: Emerging Technologies, 2022, 136, 103505.	7.6	7
58	Road signage comprehension and overload: the role of driving style and need for closure. Transportation Research Procedia, 2017, 24, 442-449.	1.5	6
59	OpenTrack simulation model files and output dataset for a copenhagen suburban railway. Data in Brief, 2019, 25, 103952.	1.0	6
60	Impacts of real-time information levels in public transport: A large-scale case study using an adaptive passenger path choice model. Transportation Research, Part A: Policy and Practice, 2021, 148, 155-182.	4.2	6
61	Public Transport Use and Satisfaction by International Students and Researchers. Sustainability, 2021, 13, 8417.	3.2	6
62	Passenger delay models for rail networks. Operations Research/ Computer Science Interfaces Series, 2009, , 1-23.	0.3	6
63	Analysing improvements to on-street public transport systems: a mesoscopic model approach. Public Transport, 2017, 9, 385-409.	2.7	5
64	An assignment model for public transport networks with both schedule- and frequency-based services. EURO Journal on Transportation and Logistics, 2019, 8, 769-793.	2.2	5
65	Fear follows form: A study of the relationship between neighborhood type, income and fear of crime at train stations. Journal of Transport and Land Use, 2020, 13, 585-603.	1.2	5
66	The influence of vicinity to stations, station characteristics and perceived safety on public transport mode choice: a case study from Copenhagen. Public Transport, 2022, 14, 459-480.	2.7	5
67	Using GIS in Denmark for traffic planning and decision support. Journal of Advanced Transportation, 1995, 29, 335-354.	1.7	4
68	Road Pricing and its Consequences for Individual Travel Patterns. Mobilities, 2007, 2, 75-98.	3.8	4
69	Understanding passengersâ€™ fear of crime at train stations through neighbourhood types: a typological study of the Copenhagen metropolitan area. Journal of Urbanism, 2022, 15, 17-38.	0.9	4
70	A bounded path size route choice model excluding unrealistic routes: formulation and estimation from a large-scale GPS study. Transportmetrica A: Transport Science, 2022, 18, 435-493.	2.0	4
71	The AKTA Road Pricing Experiment in Copenhagen. , 2008, , 93-109.		4
72	Effects of Uncertainty in Speedâ€“Flow Curve Parameters on a Large-Scale Model. Transportation Research Record, 2014, 2429, 30-37.	1.9	3

#	ARTICLE	IF	CITATIONS
73	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
74	Improving and optimising road pricing proposals for Copenhagen. Proceedings of the Institution of Civil Engineers: Transport, 2008, 161, 123-134.	0.6	2
75	DYNAMIC QUEUEING TRANSMISSION MODEL FOR DYNAMIC NETWORK LOADING. Transport, 2017, 32, 146-159.	1.2	2
76	Incorporating psychological needs in commute mode choice modelling: a hybrid choice framework. Transportation, 0, , 1.	4.0	2
77	External Effects and Road Charging. , 2008, , 267-276.		1
78	Evaluation of robustness indicators using railway operation simulation. WIT Transactions on the Built Environment, 2014, , .	0.0	1
79	Smart cyber systems incorporating human-in-the-loop towards ergonomic and sustainable transport systems. , 2017, , 875-882.		1
80	Choice set robustness and internal consistency in correlation-based logit stochastic user equilibrium models. Transportmetrica A: Transport Science, 2023, 19, .	2.0	1
81	Large Scale Model Systems. , 2001, , 315-325.		0
82	An analysis of stand-alone GPS quality and simulated GNSS quality for road pricing. WIT Transactions on the Built Environment, 2006, , .	0.0	0
83	The New Line Copenhagen-Ringsted: the benefits from EU railway benchmarking. , 2012, , .		0