Erik Jenelius

List of Publications by Year
in descending order

69 papers	**3,268** citations	218677 **26** h-index	161849 **54** g-index
69 all docs	**69** docs citations	**69** times ranked	**2734** citing authors

#	Article	IF	Citations
1	Vulnerability and resilience of transport systems — A discussion of recent research. Transportation Research, Part A: Policy and Practice, 2015, 81, 16-34.	4.2	369
2	Travel time estimation for urban road networks using low frequency probe vehicle data. Transportation Research Part B: Methodological, 2013, 53, 64-81.	5.9	337
3	Importance and exposure in road network vulnerability analysis. Transportation Research, Part A: Policy and Practice, 2006, 40, 537-560.	4.2	334
4	Impacts of COVID-19 on public transport ridership in Sweden: Analysis of ticket validations, sales and passenger counts. Transportation Research Interdisciplinary Perspectives, 2020, 8, 100242.	2.7	242
5	Network structure and travel patterns: explaining the geographical disparities of road network vulnerability. Journal of Transport Geography, 2009, 17, 234-244.	5.0	179
6	Road network vulnerability analysis: Conceptualization, implementation and application. Computers, Environment and Urban Systems, 2015, 49, 136-147.	7.1	151
7	Road network vulnerability analysis of area-covering disruptions: A grid-based approach with case study. Transportation Research, Part A: Policy and Practice, 2012, 46, 746-760.	4.2	141
8	Dynamic Vulnerability Analysis of Public Transport Networks: Mitigation Effects of Real-Time Information. Networks and Spatial Economics, 2014, 14, 435-463.	1.6	127
9	Non-parametric estimation of route travel time distributions from low-frequency floating car data. Transportation Research Part C: Emerging Technologies, 2015, 58, 343-362.	7.6	114
10	Evaluating Strategies for Defending Electric Power Networks Against Antagonistic Attacks. IEEE Transactions on Power Systems, 2007, 22, 76-84.	6.5	107
11	Freight transport platoon coordination and departure time scheduling under travel time uncertainty. Transportation Research, Part E: Logistics and Transportation Review, 2017, 98, 1-23.	7.4	72
12	Traveler delay costs and value of time with trip chains, flexible activity scheduling and information. Transportation Research Part B: Methodological, 2011, 45, 789-807.	5.9	71
13	Travel time estimation from sparse floating car data with consistent path inference: A fixed point approach. Transportation Research Part C: Emerging Technologies, 2017, 85, 628-643.	7.6	63
14	Planning for the unexpected: The value of reserve capacity for public transport network robustness. Transportation Research, Part A: Policy and Practice, 2015, 81, 47-61.	4.2	60
15	c-SPSA: Cluster-wise simultaneous perturbation stochastic approximation algorithm and its application to dynamic origin—destination matrix estimation. Transportation Research Part C: Emerging Technologies, 2015, 55, 231-245.	7.6	55
16	The value of new public transport links for network robustnessÂandÂredundancy. Transportmetrica A: Transport Science, 2015, 11, 819-835.	2.0	54
17	Redundancy importance: Links as rerouting alternatives during road network disruptions. Procedia Engineering, 2010, 3, 129-137.	1.2	48
18	Urban Network Travel Time Prediction Based on a Probabilistic Principal Component Analysis Model of Probe Data. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 436-445.	8.0	48

#	Article	IF	Citations
19	Route travel time estimation using low-frequency floating car data. , 2013, , .		46
20	Critical infrastructure protection under imperfect attacker perception. International Journal of Critical Infrastructure Protection, 2010, 3, 16-26.	4.6	40
21	The value of travel time variability with trip chains, flexible scheduling and correlated travel times. Transportation Research Part B: Methodological, 2012, 46, 762-780.	5.9	40
22	Probe vehicle data sampled by time or space: Consistent travel time allocation and estimation. Transportation Research Part B: Methodological, 2015, 71, 120-137.	5.9	40
23	Efficiency of Semi-Autonomous and Fully Autonomous Bus Services in Trunk-and-Branches Networks. Journal of Advanced Transportation, 2019, 2019, 1-17.	1.7	36
24	Impact of real-time crowding information: a Stockholm metro pilot study. Public Transport, 2017, 9, 483-499.	2.7	34
25	Data-Driven Metro Train Crowding Prediction Based on Real-Time Load Data. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2254-2265.	8.0	32
26	Public transport fare elasticities from smartcard data: Evidence from a natural experiment. Transport Policy, 2021, 105, 35-43.	6.6	31
27	Beyond a complete failure: the impact of partial capacity degradation on public transport network vulnerability. Transportmetrica B, 2018, 6, 77-96.	2.3	30
28	Transport efficiency of off-peak urban goods deliveries: A Stockholm pilot study. Case Studies on Transport Policy, 2018, 6, 156-166.	2.5	26
29	BRIGHTâ€"Drift-Aware Demand Predictions for Taxi Networks. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 234-245.	5.7	25
30	Personalized predictive public transport crowding information with automated data sources. Transportation Research Part C: Emerging Technologies, 2020, 117, 102647.	7.6	25
31	User inequity implications of road network vulnerability. Journal of Transport and Land Use, 2010, 2, .	1.2	22
32	Public transport experienced service reliability: Integrating travel time and travel conditions. Transportation Research, Part A: Policy and Practice, 2018, 117, 275-291.	4.2	20
33	Multiline holding based control for lines merging to a shared transit corridor. Transportmetrica B, 2019, 7, 1062-1095.	2.3	18
34	Robust SPSA algorithms for dynamic OD matrix estimation. Procedia Computer Science, 2018, 130, 57-64.	2.0	17
35	Anatomy of tunnel congestion: Causes and implications for tunnel traffic management. Tunnelling and Underground Space Technology, 2019, 83, 498-508.	6.2	15
36	Identification of workstations in earthwork operations from vehicle GPS data. Automation in Construction, 2017, 83, 237-246.	9.8	13

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37	Integrated framework for real‐time urban network travel time prediction on sparse probe data. IET Intelligent Transport Systems, 2018, 12, 66-74.	3.0	13
38	A latent-class adaptive routing choice model in stochastic time-dependent networks. Transportation Research Part B: Methodological, 2019, 124, 1-17.	5.9	13
39	Transitioning towards the deployment of line-based autonomous buses: Consequences for service frequency and vehicle capacity. Transportation Research, Part A: Policy and Practice, 2020, 138, 491-507.	4.2	12
40	Determinants of passengers' metro car choice revealed through automated data sources: a Stockholm case study. Transportmetrica A: Transport Science, 2020, 16, 529-549.	2.0	12
41	Floating car and camera data fusion for non-parametric route travel time estimation. , 2014, , .		11
42	Real-time short-turning in high frequency bus services based on passenger cost. , 2017, , .		11
43	Design and operation of feeder systems in the era of automated and electric buses. Transportation Research, Part A: Policy and Practice, 2021, 152, 146-172.	4.2	11
44	Routing Policy Choice Set Generation in Stochastic Time-Dependent Networks. Transportation Research Record, 2014, 2466, 76-86.	1.9	10
45	Floating Car and Camera Data Fusion for Non-parametric Route Travel Time Estimation. Procedia Computer Science, 2014, 37, 390-395.	2.0	8
46	A real-time holding decision rule accounting for passenger travel cost. , 2016, , .		8
47	Impact analysis of transport network disruptions using multimodal data: A case study for tunnel closures in Stockholm. Case Studies on Transport Policy, 2018, 6, 179-189.	2.5	8
48	Feeder Transit Services in Different Development Stages of Automated Buses: Comparing Fixed Routes versus Door-to-Door Trips. Transportation Research Procedia, 2020, 47, 521-528.	1.5	8
49	Simulation of fixed versus on-demand station-based feeder operations. Transportation Research Part C: Emerging Technologies, 2021, 132, 103401.	7.6	7
50	Validation of Traffic Simulation Models Based on the Macroscopic Fundamental Diagram. Transportation Research Procedia, 2017, 27, 561-568.	1.5	6
51	Integrating Demand Responsive Services Into Public Transport Disruption Management. IEEE Open Journal of Intelligent Transportation Systems, 2021, 2, 24-36.	4.8	6
52	Urban network travel time prediction via online multi-output Gaussian process regression. , 2017, , .		5
53	BRIGHT - Drift-Aware Demand Predictions for Taxi Networks (Extended Abstract). , 2019, , .		5
54	A holding control strategy for diverging bus lines. Transportation Research Part C: Emerging Technologies, 2021, 126, 103087.	7.6	5

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55	Efficiency of Connected Semi-Autonomous Platooning Bus Services in High-Demand Transit Corridors. IEEE Open Journal of Intelligent Transportation Systems, 2022, 3, 435-448.	4.8	5
56	Spatio-Temporal Partitioning of Large Urban Networks for Travel Time Prediction. , 2018, , .		3
57	Resilience of Transport Systems. , 2021, , 258-267.		3
58	Using the Sustainable Development Goals to Evaluate Possible Transport Policies for the City of Curitiba. Sustainability, 2021, 13, 12222.	3.2	3
59	Driving time and path generation for heavy construction sites from GPS traces. , 2016, , .		2
60	Car-Specific Metro Train Crowding Prediction Based on Real-Time Load Data. , 2018, , .		2
61	Distribution of passenger costs in fixed versus flexible station-based feeder services. Transportation Research Procedia, 2020, 47, 179-186.	1.5	2
62	Pick-Up and Delivery Problem for Sequentially Consolidated Urban Transportation with Mixed and Multi-Pupropse Vehicle Fleet. Journal of Advanced Transportation, 2022, 2022, 1-18.	1.7	2
63	The Value of New Cross-Radial Links for Public Transport Network Robustness. , 2014, , .		1
64	Evaluating crowding in individual train cars using a dynamic transit assignment model. Transportmetrica B, 2021, 9, 693-711.	2.3	1
65	Efficiency of Semi-autonomous Platooning Vehicles in High-Capacity Bus Services. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 2019, , 579-585.	0.1	1
66	The Traveler Costs of Unplanned Transport Network Disruptions: An Activity-Based Modeling Approach. SSRN Electronic Journal, 0, , .	0.4	1
67	Rail transport resilience to demand shocks and COVID-19. , 2022, , 65-79.		1
68	Emergence of an Urban Traffic Macroscopic Fundamental Diagram. SSRN Electronic Journal, 2019, , .	0.4	0
69	Traveller Recurrence and Inter- versus Intratraveller Speed Variability: Analysis with Bluetooth Data. Journal of Advanced Transportation, 2022, 2022, 1-10.	1.7	0