# Jan Dirk Schmcker

## List of Publications by Citations



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|---|---|---|---|
| 86 papers | 1,635 citations | 24 h-index | 37 g-index |
| 95 ext. papers | 1,933 ext. citations | 3.5 avg, IF | 5.1 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 86 | Mode choice of older and disabled people: a case study of shopping trips in London. *Journal of Transport Geography*, **2008**, 16, 257-267 | 5.2 | 129 |
| 85 | Attacker-defender models and road network vulnerability. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2008**, 366, 1893-906 | 3 | 89 |
| 84 | Capacity Constrained Transit Assignment with Common Lines. *Mathematical Modelling and Algorithms*, **2003**, 2, 309-327 | | 85 |
| 83 | Frequency-based transit assignment considering seat capacities. *Transportation Research Part B: Methodological*, **2011**, 45, 392-408 | 7.2 | 74 |
| 82 | Car ownership motivations among undergraduate students in China, Indonesia, Japan, Lebanon, Netherlands, Taiwan, and USA. *Transportation*, **2014**, 41, 1227-1244 | 4 | 64 |
| 81 | A quasi-dynamic capacity constrained frequency-based transit assignment model. *Transportation Research Part B: Methodological*, **2008**, 42, 925-945 | 7.2 | 64 |
| 80 | Estimating Trip Generation of Elderly and Disabled People: Analysis of London Data. *Transportation Research Record*, **2005**, 1924, 9-18 | 1.7 | 51 |
| 79 | Estimating Trip Generation of Elderly and Disabled People: Analysis of London Data | | 48 |
| 78 | Active ageing in developing countries? Trip generation and tour complexity of older people in Metro Manila. *Journal of Transport Geography*, **2010**, 18, 613-623 | 5.2 | 45 |
| 77 | Bus bunching along a corridor served by two lines. *Transportation Research Part B: Methodological*, **2016**, 93, 300-317 | 7.2 | 44 |
| 76 | Can we promote sustainable travel behavior through mobile apps? Evaluation and review of evidence. *International Journal of Sustainable Transportation*, **2017**, 11, 553-566 | 3.6 | 42 |
| 75 | Understanding car ownership motivations among Indonesian students. *International Journal of Sustainable Transportation*, **2016**, 10, 295-307 | 3.6 | 40 |
| 74 | Social norms and public transport usage: empirical study from Shanghai. *Transportation*, **2016**, 43, 869-888 | 4 | 37 |
| 73 | Generation and calibration of transit hyperpaths. *Transportation Research Part C: Emerging Technologies*, **2013**, 36, 406-418 | 8.4 | 37 |
| 72 | Multi-objective signal control of urban junctions Framework and a London case study. *Transportation Research Part C: Emerging Technologies*, **2008**, 16, 454-470 | 8.4 | 37 |
| 71 | Attitudes towards road pricing and environmental taxation among US and UK students. *Transportation Research, Part A: Policy and Practice*, **2013**, 48, 50-62 | 3.7 | 36 |
| 70 | A model of bus bunching under reliability-based passenger arrival patterns. *Transportation Research Part C: Emerging Technologies*, **2015**, 59, 164-182 | 8.4 | 35 |

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| 69 | An analysis of trip chaining among older London residents. *Transportation*, **2010**, 37, 105-123 | 4 | 35 |
| 68 | Mass effects and mobility decisions. *Transportation Letters*, **2013**, 5, 115-130 | 2.1 | 34 |
| 67 | Comparative Analysis of Proximal and Distal Determinants for the Acceptance of Coercive Charging Policies in the UK and Japan. *International Journal of Sustainable Transportation*, **2012**, 6, 156-173 | 3.6 | 32 |
| 66 | The impact of the congestion charge on the retail business in London: An econometric analysis. *Transport Policy*, **2007**, 14, 433-444 | 5.7 | 29 |
| 65 | Mode Choice of Older People Before and After Shopping: A Study with London Data. *Journal of Transport and Land Use*, **2009**, 2, | 3.1 | 26 |
| 64 | Changes in the frequency of shopping trips in response to a congestion charge. *Transport Policy*, **2006**, 13, 217-228 | 5.7 | 25 |
| 63 | The influence of personality on acceptability of sustainable transport policies. *Transportation*, **2014**, 41, 855-872 | 4 | 24 |
| 62 | Effects of Transit Real-Time Information Usage Strategies. *Transportation Research Record*, **2014**, 2417, 121-129 | 1.7 | 24 |
| 61 | Variability of commuters□bus line choice: an analysis of oyster card data. *Public Transport*, **2014**, 6, 21-34 | 2.1 | 22 |
| 60 | Metro Service Delay Recovery: Comparison of Strategies and Constraints Across Systems. *Transportation Research Record*, **2005**, 1930, 30-37 | 1.7 | 22 |
| 59 | Modelling social norms: Case study of students□car purchase intentions. *Travel Behaviour & Society*, **2017**, 7, 12-25 | 5.3 | 21 |
| 58 | Service quality evaluation for urban rail transfer facilities with Rasch analysis. *Travel Behaviour & Society*, **2018**, 13, 26-35 | 5.3 | 17 |
| 57 | Innovation adoption modeling in transportation: New models and data. *Journal of Choice Modelling*, **2017**, 25, 61-68 | 3.8 | 16 |
| 56 | Considering passenger choices and overtaking in the bus bunching problem. *Transportmetrica B*, **2018**, 6, 151-168 | 1.8 | 15 |
| 55 | Effects of Peer Influence, Satisfaction and Regret on Car Purchase Desire. *Procedia Environmental Sciences*, **2013**, 17, 485-493 | | 15 |
| 54 | Estimating Weights of Times and Transfers for Hyperpath Travelers. *Transportation Research Record* , **2012**, 2284, 89-99 | 1.7 | 15 |
| 53 | Faster hyperpath generating algorithms for vehicle navigation. *Transportmetrica A: Transport Science*, **2013**, 9, 925-948 | 2.5 | 14 |
| 52 | Link-Based Route Choice considering Risk Aversion, Disappointment, and Regret. *Transportation Research Record*, **2012**, 2322, 119-128 | 1.7 | 14 |

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| 51 | Assessing Transport Reliability: Malevolence and User Knowledge **2003**, 1-22 | | 14 |
| 50 | Optimisation of a Bus Network Configuration and Frequency Considering the Common Lines Problem. *Journal of Transportation Technologies*, **2012**, 02, 220-229 | 0.8 | 14 |
| 49 | Understanding the stages and pathways of travel behavior change induced by technology-based intervention among university students. *Transportation Research Part F: Traffic Psychology and Behaviour*, **2018**, 59, 98-114 | 4.5 | 14 |
| 48 | A Game Theoretic Approach to the Determination of Hyperpaths in Transportation Networks **2009**, 1-18 | | 13 |
| 47 | Metro Service Delay Recovery: Comparison of Strategies and Constraints Across Systems | | 13 |
| 46 | A Model of Bus Bunching under Reliability-based Passenger Arrival Patterns. *Transportation Research Procedia*, **2015**, 7, 276-299 | 2.4 | 12 |
| 45 | The impact of irregular headways on seat availability. *Transportmetrica A: Transport Science*, **2014**, 10, 483-501 | 2.5 | 10 |
| 44 | Dynamic process model of mass effects on travel demand. *Transportation*, **2014**, 41, 279-304 | 4 | 9 |
| 43 | Adaptation patterns to high speed rail usage in Taiwan and China. *Transportation*, **2017**, 44, 807-830 | 4 | 8 |
| 42 | Integrated impacts of public transport travel and travel satisfaction on quality of life of older people. *Transportation Research, Part A: Policy and Practice*, **2020**, 138, 15-27 | 3.7 | 8 |
| 41 | Generation and Calibration of Transit Hyperpaths. *Procedia, Social and Behavioral Sciences*, **2013**, 80, 211-230 | | 8 |
| 40 | On the interaction between public transport demand, service quality and fare for social welfare optimisation. *Research in Transportation Economics*, **2019**, 76, 100732 | 2.4 | 7 |
| 39 | Estimation of Platform Waiting Time Distribution Considering Service Reliability Based on Smart Card Data and Performance Reports. *Transportation Research Record*, **2017**, 2652, 30-38 | 1.7 | 7 |
| 38 | Long-term impact of the Shinkansen on rail and air demand: analysis with data from Northeast Japan. *Transportation Planning and Technology*, **2017**, 40, 741-756 | 1.6 | 7 |
| 37 | Evaluating critical lines and stations considering the impact of the consequence using transit assignment model -case study of London's underground network. *Journal of Advanced Transportation*, **2008**, 42, 291-310 | 1.9 | 7 |
| 36 | Demand adaptation towards new transport modes: the case of high-speed rail in Taiwan. *Transportmetrica B*, **2015**, 3, 27-43 | 1.8 | 6 |
| 35 | A diffusion model for estimating adoption patterns of a one-way carsharing system in its initial years. *Transportation Research, Part A: Policy and Practice*, **2020**, 136, 135-150 | 3.7 | 6 |
| 34 | Agent-Based Evacuation Model considering Field Effects and Government Advice. *Transportation Research Record*, **2015**, 2532, 129-140 | 1.7 | 6 |

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| 33 | An Integrated Optimisation-Simulation Framework for Scalable Smart Charging and Relocation of Shared Autonomous Electric Vehicles. *Energies*, **2021**, 14, 3633 | 3.1 | 6 |
| 32 | Transport sufficiency: Introduction & case study. *Travel Behaviour & Society*, **2019**, 15, 54-62 | 5.3 | 5 |
| 31 | Fixed-route taxi system: route network design and fleet size minimization problems. *Journal of Advanced Transportation*, **2016**, 50, 1252-1271 | 1.9 | 5 |
| 30 | Mobility Scooters on Loan A Scheme Complementing the Existing Special Transport Services in London. *International Journal of Sustainable Transportation*, **2010**, 4, 95-111 | 3.6 | 5 |
| 29 | Exploring the relationship between undergraduate education and sustainable transport attitudes. *International Journal of Sustainable Transportation*, **2016**, 10, 385-392 | 3.6 | 5 |
| 28 | Optimal hyperpaths with non-additive link costs. *Transportation Research Part B: Methodological*, **2017**, 105, 235-248 | 7.2 | 4 |
| 27 | Evaluation of tsunami evacuation planning considering vehicle usage and start timing of evacuation. *Transportmetrica A: Transport Science*, **2018**, 14, 50-65 | 2.5 | 4 |
| 26 | Joint car ownership and car type preference model considering engagement in online activities and environmental concern. *Transportation Research Part F: Traffic Psychology and Behaviour*, **2020**, 68, 293-305 | 4.5 | 4 |
| 25 | Analysis of incident costs in a vulnerable sparse rail network Description and Iran case study. *Research in Transportation Economics*, **2018**, 70, 9-27 | 2.4 | 4 |
| 24 | Analysis of Car Type Preferences Among Students Based on Seemingly Unrelated Regression. *Transportation Research Record*, **2017**, 2666, 85-93 | 1.7 | 3 |
| 23 | Traffic Control: Current Systems and Future Vision of Cities. *International Journal of Intelligent Transportation Systems Research*, **2010**, 8, 56-65 | 1.4 | 3 |
| 22 | The Theory of Transit Assignment: Demand and Supply Phenomena. *Springer Tracts on Transportation and Traffic*, **2016**, 387-481 | 0.3 | 3 |
| 21 | A Markovian model of user adaptation with case study of a shared bicycle scheme. *Transportmetrica B*, **2019**, 7, 223-236 | 1.8 | 3 |
| 20 | Regional heterogeneity in Taiwan HSR demand developments: station accessibility and its effect on usage adoption. *European Planning Studies*, **2019**, 27, 555-573 | 3.2 | 2 |
| 19 | On Decision Principles for Routing Strategies Under Various Types of Risks. *NATO Science for Peace and Security Series C: Environmental Security*, **2010**, 57-71 | 0.3 | 2 |
| 18 | Planning for tourist urban evacuation routes: A framework for improving the data collection and evacuation processes. *Environment and Planning B: Urban Analytics and City Science*, **2021**, 48, 1108-1125 | 2 | 2 |
| 17 | Analyzing long-term travel behaviour: A comparison of smart card data and graphical usage patterns. *Transportation Research Procedia*, **2018**, 32, 34-43 | 2.4 | 2 |
| 16 | Implementation of a mobility behavior change support system in Manila Philippines **2017**, | | 1 |

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| 15 | Distinguishing different types of city tourists through clustering and recursive logit models applied to Wi-Fi data. *Asian Transport Studies*, **2022**, 8, 100044 | 0.6 | 1 |
| 14 | Route choice effects of changes from a zonal to a distance-based fare structure in a regional public transport network. *Public Transport*, **2020**, 12, 535-555 | 2.1 | 1 |
| 13 | Estimation of walking patterns in a touristic area with Wi-Fi packet sensors. *Transportation Research Part C: Emerging Technologies*, **2021**, 128, 103219 | 8.4 | 1 |
| 12 | Modelling sequential ticket booking choices during Chinese New Year. *Transportation*, **2021**, 48, 1987-2010 | 4 | 1 |
| 11 | On the tradeoff between sensitivity and specificity in bus bunching prediction. *Journal of Intelligent Transportation Systems: Technology, Planning, and Operations*, **2021**, 25, 384-400 | 3.2 | 1 |
| 10 | Estimating the route-level passenger demand profile from bus dwell times. *Transportation Research Part C: Emerging Technologies*, **2021**, 130, 103273 | 8.4 | 1 |
| 9 | Optimal Hyperpaths With Non-Additive Link Costs. *Transportation Research Procedia*, **2017**, 23, 790-808 | 2.4 | 0 |
| 8 | Are Campus Bicycle Sharing Schemes Useful? An Analysis with Kyoto University Data. *International Journal of Transportation*, **2017**, 5, 29-44 | | |
| 7 | Performance of Route Suggestions in Networks with Correlated Link Congestion. *Procedia, Social and Behavioral Sciences*, **2014**, 111, 800-809 | | |
| 6 | EVALUATION OF THE TRAVEL TIME RELIABILITY OF PUBLIC TRANSPORTATION USING A TRANSIT ASSIGNMENT MODEL CONSIDERING THE VEHICLE CAPACITY AND THE CORRELATION OF VEHICLES' ARRIVAL. *Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and Management)*, **2012**, 68, I_701-I_707 | 0.1 | |
| 5 | Special issue on transit planning, operation and management in densely populated areas. *Transportation*, **2010**, 37, 705-707 | 4 | |
| 4 | Restrictive and stimulative impacts of COVID-19 policies on activity trends: A case study of Kyoto.. *Transportation Research Interdisciplinary Perspectives*, **2022**, 13, 100551 | 7.3 | |
| 3 | Influence of arrogance on acceptance of TDM policy. *Journal of Human Environmental Studies*, **2012**, 10, 71-77 | 0.1 | |
| 2 | Latent stage model for carsharing usage frequency estimation with Montréal case study. *Transportation*,1 | 4 | |
| 1 | Big Data for Public Transport Planning **2021**, 134-139 | | |