

# Tomer Toledo

## List of Publications by Year in descending order

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88  
papers

3,791  
citations

109264

35  
h-index

133188

59  
g-index

88  
all docs

88  
docs citations

88  
times ranked

2580  
citing authors

#	ARTICLE	IF	CITATIONS
1	In-vehicle data recorders for monitoring and feedback on driversâ€™ behavior. Transportation Research Part C: Emerging Technologies, 2008, 16, 320-331.	3.9	240
2	Integrated driving behavior modeling. Transportation Research Part C: Emerging Technologies, 2007, 15, 96-112.	3.9	236
3	Modeling Integrated Lane-Changing Behavior. Transportation Research Record, 2003, 1857, 30-38.	1.0	235
4	Modeling Duration of Lane Changes. Transportation Research Record, 2007, 1999, 71-78.	1.0	191
5	Driving Behaviour: Models and Challenges. Transport Reviews, 2007, 27, 65-84.	4.7	149
6	Modeling the behavior of novice young drivers during the first year after licensure. Accident Analysis and Prevention, 2010, 42, 480-486.	3.0	113
7	Trajectory Data and Flow Characteristics of Mixed Traffic. Transportation Research Record, 2015, 2491, 1-11.	1.0	98
8	Investigating path-based solution algorithms to the stochastic user equilibrium problem. Transportation Research Part B: Methodological, 2005, 39, 279-295.	2.8	90
9	Effect of Real-Time Transit Information on Dynamic Path Choice of Passengers. Transportation Research Record, 2011, 2217, 46-54.	1.0	88
10	Calibration and Validation of Microscopic Traffic Simulation Tools: Stockholm Case Study. Transportation Research Record, 2003, 1831, 65-75.	1.0	84
11	Estimation of an integrated driving behavior model. Transportation Research Part C: Emerging Technologies, 2009, 17, 365-380.	3.9	83
12	Towards a generic benchmarking platform for originâ€“destination flows estimation/updating algorithms: Design, demonstration and validation. Transportation Research Part C: Emerging Technologies, 2016, 66, 79-98.	3.9	83
13	EFFECTS OF CHOICE SET SIZE AND ROUTE CHOICE MODELS ON PATH-BASED TRAFFIC ASSIGNMENT. Transportmetrica, 2008, 4, 117-133.	1.8	82
14	Hybrid machine learning algorithm and statistical time series model for network-wide traffic forecast. Transportation Research Part C: Emerging Technologies, 2020, 111, 352-372.	3.9	81
15	Estimation of Vehicle Trajectories with Locally Weighted Regression. Transportation Research Record, 2007, 1999, 161-169.	1.0	79
16	A passing gap acceptance model for two-lane rural highways. Transportmetrica, 2009, 5, 159-172.	1.8	78
17	Analysis of evacuation behavior in a wildfire event. International Journal of Disaster Risk Reduction, 2018, 31, 1366-1373.	1.8	78
18	Mesoscopic simulation for transit operations. Transportation Research Part C: Emerging Technologies, 2010, 18, 896-908.	3.9	76

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19	Statistical Validation of Traffic Simulation Models. Transportation Research Record, 2004, 1876, 142-150.	1.0	71
20	Passing behavior on two-lane highways. Transportation Research Part F: Traffic Psychology and Behaviour, 2010, 13, 355-364.	1.8	60
21	Calibration of Microscopic Traffic Simulation Models with Aggregate Data. Transportation Research Record, 2004, 1876, 10-19.	1.0	59
22	Estimation of Dynamic Origin-Destination Matrices Using Linear Assignment Matrix Approximations. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 618-626.	4.7	59
23	Lane-Changing Model with Explicit Target Lane Choice. Transportation Research Record, 2005, 1934, 157-165.	1.0	55
24	Can providing feedback on driving behavior and training on parental vigilant care affect male teen drivers and their parents?. Accident Analysis and Prevention, 2014, 69, 62-70.	3.0	50
25	Driving Behaviors: Models and Challenges for Non-Lane Based Mixed Traffic. Transportation in Developing Economies, 2016, 2, 1.	0.9	49
26	Simulating deployment of connectivity and automation on the Antwerp ring road. IET Intelligent Transport Systems, 2018, 12, 1036-1044.	1.7	49
27	Evaluation of the Potential Benefits of Advanced Traveler Information Systems. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2006, 10, 173-183.	2.6	47
28	A Path-Based Algorithm for the Cross-Nested Logit Stochastic User Equilibrium Traffic Assignment. Computer-Aided Civil and Infrastructure Engineering, 2009, 24, 15-25.	6.3	47
29	The Impact of Fear of Flying on Travelers' Flight Choice. Journal of Travel Research, 2012, 51, 653-663.	5.8	44
30	Normalization and correlation of cross-nested logit models. Transportation Research Part B: Methodological, 2007, 41, 795-808.	2.8	43
31	SimMobility Short-Term: An Integrated Microscopic Mobility Simulator. Transportation Research Record, 2017, 2622, 13-23.	1.0	43
32	In-Vehicle Data Recorder for Evaluation of Driving Behavior and Safety. Transportation Research Record, 2006, 1953, 112-119.	1.0	42
33	Mesoscopic Modeling of Bus Public Transportation. Transportation Research Record, 2010, 2188, 9-18.	1.0	42
34	Development and Calibration of a Large-Scale Microscopic Traffic Simulation Model. Transportation Research Record, 2004, 1876, 121-131.	1.0	40
35	In-Vehicle Data Recorder for Evaluation of Driving Behavior and Safety. Transportation Research Record, 2006, 1953, 112-119.	1.0	40
36	Freight data collection using GPS and web-based surveys: Insights from US truck drivers' survey and perspectives for urban freight. Case Studies on Transport Policy, 2016, 4, 38-44.	1.1	36

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37	Traffic Simulation with MITSIMLab. Profiles in Operations Research, 2010, , 233-268.	0.3	35
38	Stochastic User Equilibrium for Route Choice Model Based on Random Regret Minimization. Transportation Research Record, 2012, 2284, 100-108.	1.0	34
39	The effect of positive and negative emotions on young drivers: A simulator study. Transportation Research Part F: Traffic Psychology and Behaviour, 2017, 49, 236-243.	1.8	34
40	Capability of Current Car-Following Models to Reproduce Vehicle Free-Flow Acceleration Dynamics. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3594-3603.	4.7	33
41	Association of risk proneness in overtaking maneuvers with impaired decision making. Transportation Research Part F: Traffic Psychology and Behaviour, 2008, 11, 313-323.	1.8	31
42	State Dependence in Lane-Changing Models. Transportation Research Record, 2009, 2124, 81-88.	1.0	31
43	Intrafamilial Transmission of Driving Behavior. Transportation Research Record, 2009, 2138, 54-65.	1.0	29
44	Application of Cross-Nested Logit Route Choice Model in Stochastic User Equilibrium Traffic Assignment. Transportation Research Record, 2007, 2003, 41-49.	1.0	28
45	Effects of parental vigilant care and feedback on novice driver risk. Journal of Adolescence, 2015, 38, 69-80.	1.2	28
46	Modelling decisions of control transitions and target speed regulations in full-range Adaptive Cruise Control based on Risk Allostasis Theory. Transportation Research Part B: Methodological, 2018, 117, 318-341.	2.8	27
47	Lane-Changing Model with Explicit Target Lane Choice. Transportation Research Record, 2005, 1934, 157-165.	1.0	26
48	Pseudo-Measurements as Aiding to INS during GPS Outages. Navigation, Journal of the Institute of Navigation, 2010, 57, 25-34.	1.7	25
49	Evaluation of a program to enhance young drivers'™ safety in Israel. Accident Analysis and Prevention, 2012, 45, 705-710.	3.0	25
50	Modeling reaction time within a traffic simulation model. , 2013, , .		25
51	The effect of daily-activity patterns on crash involvement. Accident Analysis and Prevention, 2010, 42, 1682-1688.	3.0	24
52	The First Year of Driving. Transportation Research Record, 2013, 2327, 26-33.	1.0	24
53	Does it pay to reveal safety information? The effect of safety information on flight choice. Transportation Research Part C: Emerging Technologies, 2015, 56, 210-220.	3.9	23
54	Investigating path-based solution algorithms to the stochastic user equilibrium problem. Transportation Research Part B: Methodological, 2005, 39, 279-295.	2.8	21

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55	Vehicle Constraints Enhancement for Supporting INS Navigation in Urban Environments. Navigation, Journal of the Institute of Navigation, 2011, 58, 7-15.	1.7	20
56	Route Choice Characteristics for Truckers. Transportation Research Record, 2013, 2354, 115-121.	1.0	18
57	Framework and Model for Parking Decisions. Transportation Research Record, 2012, 2319, 30-38.	1.0	16
58	Optimization-based operations control for public transportation service with transfers. Transportation Research Part C: Emerging Technologies, 2019, 105, 456-467.	3.9	16
59	A Stochastic Car Following Model. Transportation Research Procedia, 2016, 15, 198-207.	0.8	15
60	Alternative Definitions of Passing Critical Gaps. Transportation Research Record, 2011, 2260, 76-82.	1.0	13
61	A multidimensional intergenerational model of young males' driving styles. Accident Analysis and Prevention, 2016, 97, 141-145.	3.0	12
62	Resuming Manual Control or Not?: Modeling Choices of Control Transitions in Full-Range Adaptive Cruise Control. Transportation Research Record, 2017, 2622, 38-47.	1.0	11
63	Evaluation of real-time holding strategies for improved bus service reliability. , 2010, , .		9
64	Are young drivers as careful as they deem? In vehicle data recorders and self reports evaluations. European Transport Research Review, 2014, 6, 469-476.	2.3	9
65	Simulation-based Optimization of HOT Lane Tolls. Transportation Research Procedia, 2015, 6, 189-197.	0.8	9
66	Impact of Active Speed Limiters on Traffic Flow and Safety. Transportation Research Record, 2007, 2019, 169-180.	1.0	8
67	Decision-Making Process and Factors Affecting Truck Routing. , 2013, , 233-249.		8
68	The Effects of Vehicle-to-Infrastructure Communication Reliability on Performance of Signalized Intersection Traffic Control. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15450-15461.	4.7	8
69	Microscopic Traffic Simulation: Models and Application. , 2005, , 99-130.		7
70	A modified loosely coupled approach to INS/GPS integration. Journal of Applied Geodesy, 2011, 5, .	0.6	7
71	Driving exposure of Israeli young male drivers within a graduated driver licensing system. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 26, 180-189.	1.8	7
72	Intercity truck route choices incorporating toll road alternatives using enhanced GPS data. Transportmetrica A: Transport Science, 2020, 16, 654-675.	1.3	7

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73	Optimization of Actuated Traffic Signal Plans Using a Mesoscopic Traffic Simulation. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	7
74	The detrimental danger of water-pipe (Hookah) transcends the hazardous consequences of general health to the driving behavior. Journal of Translational Medicine, 2012, 10, 126.	1.8	6
75	Car Following and Microscopic Traffic Simulation Under Distracted Driving. Transportation Research Record, 2021, 2675, 643-656.	1.0	6
76	Assessment of Aided-INS Performance. Journal of Navigation, 2012, 65, 169-185.	1.0	5
77	The effect of information on driversâ€™ toll lane choices and travel times expectations. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 62, 149-159.	1.8	5
78	Optimal Dynamic Tolls for Managed Lanes. Transportation Research Record, 2017, 2606, 28-37.	1.0	4
79	On negative correlation: a comparison between Multinomial Probit and GEV-based discrete choice models. Transportmetrica A: Transport Science, 2017, 13, 356-379.	1.3	3
80	Activities and social interactions during disaster evacuation. International Journal of Disaster Risk Reduction, 2021, 61, 102370.	1.8	3
81	INTEGRATED LANE-CHANGING MODELS. , 2009, , 61-74.		2
82	An Optimization Model for Highway Work Zones Considering Safety, Mobility, and Project Cost. Sustainability, 2022, 14, 1442.	1.6	2
83	Car following with an inertia-oriented driving technique: A driving simulator experiment. Transportation Research Part F: Traffic Psychology and Behaviour, 2022, 89, 72-83.	1.8	2
84	Vehicle Detection in Far Field of View of Video Sequences. Transportation Research Record, 2008, 2086, 23-29.	1.0	1
85	MESOP. Transportation Research Record, 2015, 2488, 1-9.	1.0	1
86	Investigation of car-following models in disordered traffic using trajectory data obtained from unmanned aerial vehicles. Transportation Letters, 0, , 1-11.	1.8	1
87	Free flow acceleration: Humans and car-following models. , 2017, , .		0
88	Evaluation of a Public Technology-Based Traffic Enforcement Program. Sustainability, 2021, 13, 11966.	1.6	0