

Tomer Toledo

List of Publications by Year in descending order

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Version: 2024-02-01

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	An Optimization Model for Highway Work Zones Considering Safety, Mobility, and Project Cost. Sustainability, 2022, 14, 1442.	1.6	2
2	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
3	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
4	Car Following and Microscopic Traffic Simulation Under Distracted Driving. Transportation Research Record, 2021, 2675, 643-656.	1.0	6
5	Activities and social interactions during disaster evacuation. International Journal of Disaster Risk Reduction, 2021, 61, 102370.	1.8	3
6	Evaluation of a Public Technology-Based Traffic Enforcement Program. Sustainability, 2021, 13, 11966.	1.6	0
7	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
8	Intercity truck route choices incorporating toll road alternatives using enhanced GPS data. Transportmetrica A: Transport Science, 2020, 16, 654-675.	1.3	7
9	Optimization of Actuated Traffic Signal Plans Using a Mesoscopic Traffic Simulation. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	7
10	Optimization-based operations control for public transportation service with transfers. Transportation Research Part C: Emerging Technologies, 2019, 105, 456-467.	3.9	16
11	The effect of information on drivers' toll lane choices and travel times expectations. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 62, 149-159.	1.8	5
12	Analysis of evacuation behavior in a wildfire event. International Journal of Disaster Risk Reduction, 2018, 31, 1366-1373.	1.8	78
13	Simulating deployment of connectivity and automation on the Antwerp ring road. IET Intelligent Transport Systems, 2018, 12, 1036-1044.	1.7	49
14	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
15	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
16	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
17	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
18	SimMobility Short-Term: An Integrated Microscopic Mobility Simulator. Transportation Research Record, 2017, 2622, 13-23.	1.0	43

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19	Resuming Manual Control or Not?: Modeling Choices of Control Transitions in Full-Range Adaptive Cruise Control. <i>Transportation Research Record</i> , 2017, 2622, 38-47.	1.0	11
20	Optimal Dynamic Tolls for Managed Lanes. <i>Transportation Research Record</i> , 2017, 2606, 28-37.	1.0	4
21	Free flow acceleration: Humans and car-following models. , 2017, , .		0
22	Freight data collection using GPS and web-based surveys: Insights from US truck driversâ€™ survey and perspectives for urban freight. <i>Case Studies on Transport Policy</i> , 2016, 4, 38-44.	1.1	36
23	A Stochastic Car Following Model. <i>Transportation Research Procedia</i> , 2016, 15, 198-207.	0.8	15
24	Driving Behaviors: Models and Challenges for Non-Lane Based Mixed Traffic. <i>Transportation in Developing Economies</i> , 2016, 2, 1.	0.9	49
25	A multidimensional intergenerational model of young malesâ€™ driving styles. <i>Accident Analysis and Prevention</i> , 2016, 97, 141-145.	3.0	12
26	Towards a generic benchmarking platform for originâ€“destination flows estimation/updating algorithms: Design, demonstration and validation. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 66, 79-98.	3.9	83
27	Simulation-based Optimization of HOT Lane Tolls. <i>Transportation Research Procedia</i> , 2015, 6, 189-197.	0.8	9
28	MES COP. <i>Transportation Research Record</i> , 2015, 2488, 1-9.	1.0	1
29	Trajectory Data and Flow Characteristics of Mixed Traffic. <i>Transportation Research Record</i> , 2015, 2491, 1-11.	1.0	98
30	Does it pay to reveal safety information? The effect of safety information on flight choice. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 56, 210-220.	3.9	23
31	Effects of parental vigilant care and feedback on novice driver risk. <i>Journal of Adolescence</i> , 2015, 38, 69-80.	1.2	28
32	Are young drivers as careful as they deem? In vehicle data recorders and self reports evaluations. <i>European Transport Research Review</i> , 2014, 6, 469-476.	2.3	9
33	Can providing feedback on driving behavior and training on parental vigilant care affect male teen drivers and their parents?. <i>Accident Analysis and Prevention</i> , 2014, 69, 62-70.	3.0	50
34	Driving exposure of Israeli young male drivers within a graduated driver licensing system. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2014, 26, 180-189.	1.8	7
35	Modeling reaction time within a traffic simulation model. , 2013, , .		25
36	Estimation of Dynamic Originâ€“Destination Matrices Using Linear Assignment Matrix Approximations. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2013, 14, 618-626.	4.7	59

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37	Route Choice Characteristics for Truckers. Transportation Research Record, 2013, 2354, 115-121.	1.0	18
38	The First Year of Driving. Transportation Research Record, 2013, 2327, 26-33.	1.0	24
39	Decision-Making Process and Factors Affecting Truck Routing. , 2013, , 233-249.		8
40	Assessment of Aided-INS Performance. Journal of Navigation, 2012, 65, 169-185.	1.0	5
41	The Impact of Fear of Flying on Travelersâ€™ Flight Choice. Journal of Travel Research, 2012, 51, 653-663.	5.8	44
42	Stochastic User Equilibrium for Route Choice Model Based on Random Regret Minimization. Transportation Research Record, 2012, 2284, 100-108.	1.0	34
43	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
44	Framework and Model for Parking Decisions. Transportation Research Record, 2012, 2319, 30-38.	1.0	16
45	Evaluation of a program to enhance young driversâ€™ safety in Israel. Accident Analysis and Prevention, 2012, 45, 705-710.	3.0	25
46	Alternative Definitions of Passing Critical Gaps. Transportation Research Record, 2011, 2260, 76-82.	1.0	13
47	Effect of Real-Time Transit Information on Dynamic Path Choice of Passengers. Transportation Research Record, 2011, 2217, 46-54.	1.0	88
48	Vehicle Constraints Enhancement for Supporting INS Navigation in Urban Environments. Navigation, Journal of the Institute of Navigation, 2011, 58, 7-15.	1.7	20
49	A modified loosely coupled approach to INS/GPS integration. Journal of Applied Geodesy, 2011, 5, .	0.6	7
50	Mesoscopic Modeling of Bus Public Transportation. Transportation Research Record, 2010, 2188, 9-18.	1.0	42
51	The effect of daily-activity patterns on crash involvement. Accident Analysis and Prevention, 2010, 42, 1682-1688.	3.0	24
52	Mesoscopic simulation for transit operations. Transportation Research Part C: Emerging Technologies, 2010, 18, 896-908.	3.9	76
53	Modeling the behavior of novice young drivers during the first year after licensure. Accident Analysis and Prevention, 2010, 42, 480-486.	3.0	113
54	Evaluation of real-time holding strategies for improved bus service reliability. , 2010, , .		9

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55	Pseudo-Measurements as Aiding to INS during GPS Outages. Navigation, Journal of the Institute of Navigation, 2010, 57, 25-34.	1.7	25
56	Traffic Simulation with MITSIMLab. Profiles in Operations Research, 2010, , 233-268.	0.3	35
57	Passing behavior on two-lane highways. Transportation Research Part F: Traffic Psychology and Behaviour, 2010, 13, 355-364.	1.8	60
58	A passing gap acceptance model for two-lane rural highways. Transportmetrica, 2009, 5, 159-172.	1.8	78
59	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
60	Estimation of an integrated driving behavior model. Transportation Research Part C: Emerging Technologies, 2009, 17, 365-380.	3.9	83
61	Intrafamilial Transmission of Driving Behavior. Transportation Research Record, 2009, 2138, 54-65.	1.0	29
62	State Dependence in Lane-Changing Models. Transportation Research Record, 2009, 2124, 81-88.	1.0	31
63	INTEGRATED LANE-CHANGING MODELS. , 2009, , 61-74.		2
64	In-vehicle data recorders for monitoring and feedback on drivers'™ behavior. Transportation Research Part C: Emerging Technologies, 2008, 16, 320-331.	3.9	240
65	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
66	Vehicle Detection in Far Field of View of Video Sequences. Transportation Research Record, 2008, 2086, 23-29.	1.0	1
67	EFFECTS OF CHOICE SET SIZE AND ROUTE CHOICE MODELS ON PATH-BASED TRAFFIC ASSIGNMENT. Transportmetrica, 2008, 4, 117-133.	1.8	82
68	Estimation of Vehicle Trajectories with Locally Weighted Regression. Transportation Research Record, 2007, 1999, 161-169.	1.0	79
69	Driving Behaviour: Models and Challenges. Transport Reviews, 2007, 27, 65-84.	4.7	149
70	Modeling Duration of Lane Changes. Transportation Research Record, 2007, 1999, 71-78.	1.0	191
71	Application of Cross-Nested Logit Route Choice Model in Stochastic User Equilibrium Traffic Assignment. Transportation Research Record, 2007, 2003, 41-49.	1.0	28
72	Normalization and correlation of cross-nested logit models. Transportation Research Part B: Methodological, 2007, 41, 795-808.	2.8	43

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73	Impact of Active Speed Limiters on Traffic Flow and Safety. Transportation Research Record, 2007, 2019, 169-180.	1.0	8
74	Integrated driving behavior modeling. Transportation Research Part C: Emerging Technologies, 2007, 15, 96-112.	3.9	236
75	In-Vehicle Data Recorder for Evaluation of Driving Behavior and Safety. Transportation Research Record, 2006, 1953, 112-119.	1.0	42
76	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
77	In-Vehicle Data Recorder for Evaluation of Driving Behavior and Safety. Transportation Research Record, 2006, 1953, 112-119.	1.0	40
78	Investigating path-based solution algorithms to the stochastic user equilibrium problem. Transportation Research Part B: Methodological, 2005, 39, 279-295.	2.8	90
79	Microscopic Traffic Simulation: Models and Application. , 2005, , 99-130.		7
80	Lane-Changing Model with Explicit Target Lane Choice. Transportation Research Record, 2005, 1934, 157-165.	1.0	55
81	Investigating path-based solution algorithms to the stochastic user equilibrium problem. Transportation Research Part B: Methodological, 2005, 39, 279-295.	2.8	21
82	Lane-Changing Model with Explicit Target Lane Choice. Transportation Research Record, 2005, 1934, 157-165.	1.0	26
83	Calibration of Microscopic Traffic Simulation Models with Aggregate Data. Transportation Research Record, 2004, 1876, 10-19.	1.0	59
84	Development and Calibration of a Large-Scale Microscopic Traffic Simulation Model. Transportation Research Record, 2004, 1876, 121-131.	1.0	40
85	Statistical Validation of Traffic Simulation Models. Transportation Research Record, 2004, 1876, 142-150.	1.0	71
86	Modeling Integrated Lane-Changing Behavior. Transportation Research Record, 2003, 1857, 30-38.	1.0	235
87	Calibration and Validation of Microscopic Traffic Simulation Tools: Stockholm Case Study. Transportation Research Record, 2003, 1831, 65-75.	1.0	84
88	Investigation of car-following models in disordered traffic using trajectory data obtained from unmanned aerial vehicles. Transportation Letters, 0, , 1-11.	1.8	1