

# Alexander Paz

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56

papers

537

citations

15

h-index

21

g-index

65

ext. papers

785

ext. citations

3.4

avg, IF

4.71

L-index

#	Paper	IF	Citations
56	Individual Predictors of Autonomous Vehicle Public Acceptance and Intention to Use: A Systematic Review of the Literature. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , <b>2020</b> , 6, 106	3.7	39
55	Calibration of traffic flow models using a memetic algorithm. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2015</b> , 55, 432-443	8.4	32
54	Behavior-consistent real-time traffic routing under information provision. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2009</b> , 17, 642-661	8.4	31
53	Information-based network control strategies consistent with estimated driver behavior. <i>Transportation Research Part B: Methodological</i> , <b>2009</b> , 43, 73-96	7.2	31
52	The effects of ride-hailing companies on the taxicab industry in Las Vegas, Nevada. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2018</b> , 115, 63-70	3.7	31
51	Estimation of Performance Indices for the Planning of Sustainable Transportation Systems. <i>Advances in Fuzzy Systems</i> , <b>2013</b> , 2013, 1-13	1.7	22
50	Mapping Two Decades of Autonomous Vehicle Research: A Systematic Scientometric Analysis. <i>Journal of Urban Technology</i> , <b>2020</b> , 1-30	5.9	22
49	Barriers and risks of Mobility-as-a-Service (MaaS) adoption in cities: A systematic review of the literature. <i>Cities</i> , <b>2021</b> , 109, 103036	5.6	22
48	Dynamic Modeling of Performance Indices for Planning of Sustainable Transportation Systems. <i>Networks and Spatial Economics</i> , <b>2016</b> , 16, 371-393	1.9	21
47	How Can Smart Mobility Innovations Alleviate Transportation Disadvantage? Assembling a Conceptual Framework through a Systematic Review. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6306	2.6	19
46	Development of control models for the planning of sustainable transportation systems. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2015</b> , 55, 474-485	8.4	18
45	Injury severity on traffic crashes: A text mining with an interpretable machine-learning approach. <i>Safety Science</i> , <b>2020</b> , 132, 104988	5.8	18
44	Highway Expenditures and Associated Customer Satisfaction: A Case Study. <i>Mathematical Problems in Engineering</i> , <b>2016</b> , 2016, 1-9	1.1	18
43	A multiobjective bilevel approach based on global-best harmony search for defining optimal routes and frequencies for bus rapid transit systems. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 67, 567-583	7.5	15
42	. <i>IEEE Access</i> , <b>2020</b> , 8, 196034-196049	3.5	15
41	On-line calibration of behavior parameters for behavior-consistent route guidance. <i>Transportation Research Part B: Methodological</i> , <b>2009</b> , 43, 403-421	7.2	13
40	Stated preference analysis of a new very light jet based on-demand air service. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2008</b> , 42, 629-645	3.7	13

39	Fuzzy Control Model Optimization for Behavior-Consistent Traffic Routing Under Information Provision. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2008</b> , 9, 27-37	6.1	13
38	Specification of mixed logit models assisted by an optimization framework. <i>Journal of Choice Modelling</i> , <b>2019</b> , 30, 50-60	3.8	12
37	Analysis of Self-Reported Walking for Transit in a Sprawling Urban Metropolitan Area in the Western U.S.. <i>Sustainability</i> , <b>2019</b> , 11, 852	3.6	8
36	Holistic Calibration of Microscopic Traffic Flow Models: Methodology and Real World Application Studies. <i>Computational Methods in Applied Sciences (Springer)</i> , <b>2015</b> , 33-52	0.4	7
35	Multi-objective Memetic Algorithm Based on NSGA-II and Simulated Annealing for Calibrating CORSIM Micro-Simulation Models of Vehicular Traffic Flow. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 468-476	0.9	7
34	Assessment of Economic Impacts of Vehicle Miles Traveled Fee for Passenger Vehicles in Nevada. <i>Transportation Research Record</i> , <b>2014</b> , 2450, 26-35	1.7	7
33	Multinomial logistic regression to estimate and predict perceptions of bicycle and transportation infrastructure in a sprawling metropolitan area. <i>Journal of Public Health</i> , <b>2016</b> , 38, e401-e408	3.5	7
32	Paradigms to Deploy a Behavior-Consistent Approach for Information-Based Real-Time Traffic Routing. <i>Networks and Spatial Economics</i> , <b>2009</b> , 9, 217-241	1.9	7
31	Searching for on-street parking: An empirical investigation of the factors influencing cruise time. <i>Transport Policy</i> , <b>2020</b> , 97, 186-196	5.7	6
30	Smart Mobility Adoption: A Review of the Literature. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , <b>2021</b> , 7, 146	3.7	6
29	A framework for corridor-level traffic safety network screening and its implementation using Business Intelligence. <i>Safety Science</i> , <b>2020</b> , 121, 100-110	5.8	6
28	. <i>IEEE Access</i> , <b>2020</b> , 8, 103124-103140	3.5	5
27	Comprehensive Clusterwise Linear Regression for Pavement Management Systems. <i>Journal of Transportation Engineering Part B: Pavements</i> , <b>2017</b> , 143, 04017014	1.4	5
26	Perceptions and Attitudes Towards the Deployment of Autonomous and Connected Vehicles: Insights from Las Vegas, Nevada. <i>Journal of Urban Technology</i> , 1-21	5.9	5
25	Adaptive Traffic Control for Large-Scale Dynamic Traffic Assignment Applications. <i>Transportation Research Record</i> , <b>2011</b> , 2263, 103-112	1.7	4
24	Approximate multi-objective optimization for integrated bus route design and service frequency setting. <i>Transportation Research Part B: Methodological</i> , <b>2022</b> , 155, 1-25	7.2	4
23	Generalised clusterwise regression for simultaneous estimation of optimal pavement clusters and performance models. <i>International Journal of Pavement Engineering</i> , <b>2020</b> , 21, 1122-1134	2.6	4
22	Method for Incorporating Awareness Mechanisms in Driving Simulation Environments. <i>IEEE Latin America Transactions</i> , <b>2014</b> , 12, 36-41	0.7	3

21	Development of a Visualization System for Safety Analyst. <i>Transportation Research Record</i> , <b>2014</b> , 2460, 176-185	1.7	3
20	Forecasting performance measures for traffic safety using deterministic and stochastic models <b>2015</b> ,		3
19	Development of a Comprehensive Database System for Safety Analyst. <i>Scientific World Journal, The</i> , <b>2015</b> , 2015, 636841	2.2	3
18	Model-Based Methodology for Validation of Traffic Flow Detectors by Minimizing Human Bias in Video Data Processing. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2015</b> , 16, 1851-1860	6.1	3
17	Dynamic Modeling of Performance Indices for Planning of Sustainable Transportation Systems <b>2016</b> , 16, 371		3
16	An Investigation of Geography and Climate Induced Distresses Patterns on Airfield Pavements at US Air Force Installations. <i>Mathematical Problems in Engineering</i> , <b>2017</b> , 2017, 1-10	1.1	2
15	Calibration of Microscopic Traffic Flow Simulation Models Using a Memetic Algorithm with Solis and Wets Local Search Chaining (MA-SW-Chains). <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 365-375	0.9	2
14	Traffic and Driving Simulator Based on Architecture of Interactive Motion. <i>Scientific World Journal, The</i> , <b>2015</b> , 2015, 340576	2.2	2
13	Forecasting of Financial Series for the Nevada Department of Transportation Using Deterministic and Stochastic Methodologies. <i>Procedia Manufacturing</i> , <b>2015</b> , 3, 3317-3324	1.5	2
12	Vehicle Miles Traveled Fee System in Nevada: Public Perceptions and Preferences. <i>Transportation Research Record</i> , <b>2013</b> , 2345, 39-47	1.7	2
11	The Feasibility of a Land Ferry System to Reduce Highway Maintenance Cost and Associated Externalities. <i>Scientific World Journal, The</i> , <b>2016</b> , 2016, 8180232	2.2	2
10	Simultaneous Generation of Optimum Pavement Clusters and Associated Performance Models. <i>Mathematical Problems in Engineering</i> , <b>2018</b> , 2018, 1-17	1.1	2
9	A random parameters with heterogeneity in means and Lindley approach to analyze crash data with excessive zeros: A case study of head-on heavy vehicle crashes in Queensland. <i>Accident Analysis and Prevention</i> , <b>2021</b> , 160, 106308	6.1	2
8	Factors influencing public awareness of autonomous vehicles: Empirical evidence from Brisbane. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , <b>2021</b> , 82, 256-267	4.5	2
7	Revisiting the application of simultaneous perturbation stochastic approximation towards signal timing optimization. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , <b>2018</b> , 22, 365-375	3.2	1
6	Dynamic model development of performance indices for planning of sustainable transportation systems <b>2012</b> ,		1
5	A Cost-Effective Approach for Evaluating On-Street Parking Utilization using Simple Cameras* <b>2020</b> ,		1
4	Calibration of Microscopic Traffic Flow Simulation Models considering Subsets of Links and Parameters. <i>Journal of Advanced Transportation</i> , <b>2020</b> , 2020, 1-18	1.9	1

3	A clusterwise regression approach for the estimation of crash frequencies. <i>Journal of Transportation Safety and Security</i> , <b>2021</b> , 13, 247-277	1.7	1
2	Simultaneous Estimation of Flexible Models and Associated Hyperparameters: An Application to Travel Activity-Duration Modeling. <i>Transportation Research Record</i> , <b>2018</b> , 2672, 147-159	1.7	1
1	Relationship between Programmed Heavy Vehicle Inspections and Traffic Safety. <i>Transportation Research Record</i> , 036119812110164	1.7	0