Alexander Paz

List of Publications by Year
in descending order

64	1,079	430442	454577
papers	**citations**	18	30
		h-index	**g-index**

65	65	65	708
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	Individual Predictors of Autonomous Vehicle Public Acceptance and Intention to Use: A Systematic Review of the Literature. Journal of Open Innovation: Technology, Market, and Complexity, 2020, 6, 106.	2.6	114
2	Barriers and risks of Mobility-as-a-Service (MaaS) adoption in cities: A systematic review of the literature. Cities, 2021, 109, 103036.	2.7	102
3	The effects of ride-hailing companies on the taxicab industry in Las Vegas, Nevada. Transportation Research, Part A: Policy and Practice, 2018, 115, 63-70.	2.0	60
4	Calibration of traffic flow models using a memetic algorithm. Transportation Research Part C: Emerging Technologies, 2015, 55, 432-443.	3.9	50
5	Smart Urban Mobility Innovations: A Comprehensive Review and Evaluation. IEEE Access, 2020, 8, 196034-196049.	2.6	49
6	Injury severity on traffic crashes: A text mining with an interpretable machine-learning approach. Safety Science, 2020, 132, 104988.	2.6	48
7	Information-based network control strategies consistent with estimated driver behavior. Transportation Research Part B: Methodological, 2009, 43, 73-96.	2.8	40
8	Mapping Two Decades of Autonomous Vehicle Research: A Systematic Scientometric Analysis. Journal of Urban Technology, 2021, 28, 45-74.	2.5	39
9	How Can Smart Mobility Innovations Alleviate Transportation Disadvantage? Assembling a Conceptual Framework through a Systematic Review. Applied Sciences (Switzerland), 2020, 10, 6306.	1.3	36
10	Behavior-consistent real-time traffic routing under information provision. Transportation Research Part C: Emerging Technologies, 2009, 17, 642-661.	3.9	35
11	Dynamic Modeling of Performance Indices for Planning of Sustainable Transportation Systems. Networks and Spatial Economics, 2016, 16, 371-393.	0.7	35
12	Smart Mobility Adoption: A Review of the Literature. Journal of Open Innovation: Technology, Market, and Complexity, 2021, 7, 146.	2.6	31
13	Estimation of Performance Indices for the Planning of Sustainable Transportation Systems. Advances in Fuzzy Systems, 2013, 2013, 1-13.	0.6	30
14	Development of control models for the planning of sustainable transportation systems. Transportation Research Part C: Emerging Technologies, 2015, 55, 474-485.	3.9	29
15	Specification of mixed logit models assisted by an optimization framework. Journal of Choice Modelling, 2019, 30, 50-60.	1.2	26
16	A multiobjective bilevel approach based on global-best harmony search for defining optimal routes and frequencies for bus rapid transit systems. Applied Soft Computing Journal, 2018, 67, 567-583.	4.1	25
17	Highway Expenditures and Associated Customer Satisfaction: A Case Study. Mathematical Problems in Engineering, 2016, 2016, 1-9.	0.6	21
18	Perceptions and Attitudes Towards the Deployment of Autonomous and Connected Vehicles: Insights from Las Vegas, Nevada. Journal of Urban Technology, 2021, 28, 75-95.	2.5	20

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19	Approximate multi-objective optimization for integrated bus route design and service frequency setting. Transportation Research Part B: Methodological, 2022, 155, 1-25.	2.8	20
20	Searching for on-street parking: An empirical investigation of the factors influencing cruise time. Transport Policy, 2020, 97, 186-196.	3.4	19
21	Stated preference analysis of a new very light jet based on-demand air service. Transportation Research, Part A: Policy and Practice, 2008, 42, 629-645.	2.0	18
22	A framework for corridor-level traffic safety network screening and its implementation using Business Intelligence. Safety Science, 2020, 121, 100-110.	2.6	17
23	On-line calibration of behavior parameters for behavior-consistent route guidance. Transportation Research Part B: Methodological, 2009, 43, 403-421.	2.8	16
24	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. Accident Analysis and Prevention, 2021, 160, 106308.	3.0	16
25	Factors influencing public awareness of autonomous vehicles: Empirical evidence from Brisbane. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 82, 256-267.	1.8	16
26	Fuzzy Control Model Optimization for Behavior-Consistent Traffic Routing Under Information Provision. IEEE Transactions on Intelligent Transportation Systems, 2008, 9, 27-37.	4.7	15
27	Multinomial logistic regression to estimate and predict perceptions of bicycle and transportation infrastructure in a sprawling metropolitan area. Journal of Public Health, 2016, 38, fdv179.	1.0	12
28	Analysis of Self-Reported Walking for Transit in a Sprawling Urban Metropolitan Area in the Western U.S.. Sustainability, 2019, 11, 852.	1.6	12
29	Paradigms to Deploy a Behavior-Consistent Approach for Information-Based Real-Time Traffic Routing. Networks and Spatial Economics, 2009, 9, 217-241.	0.7	11
30	A Multi-Objective Approach for the Calibration of Microscopic Traffic Flow Simulation Models. IEEE Access, 2020, 8, 103124-103140.	2.6	11
31	Assessment of Economic Impacts of Vehicle Miles Traveled Fee for Passenger Vehicles in Nevada. Transportation Research Record, 2014, 2450, 26-35.	1.0	9
32	Holistic Calibration of Microscopic Traffic Flow Models: Methodology and Real World Application Studies. Computational Methods in Applied Sciences (Springer), 2015, , 33-52.	0.1	8
33	Generalised clusterwise regression for simultaneous estimation of optimal pavement clusters and performance models. International Journal of Pavement Engineering, 2020, 21, 1122-1134.	2.2	8
34	Multi-objective Memetic Algorithm Based on NSGA-II and Simulated Annealing for Calibrating CORSIM Micro-Simulation Models of Vehicular Traffic Flow. Lecture Notes in Computer Science, 2016, , 468-476.	1.0	7
35	Comprehensive Clusterwise Linear Regression for Pavement Management Systems. Journal of Transportation Engineering Part B: Pavements, 2017, 143, 04017014.	0.8	6
36	Adaptive Traffic Control for Large-Scale Dynamic Traffic Assignment Applications. Transportation Research Record, 2011, 2263, 103-112.	1.0	5

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37	Simultaneous Generation of Optimum Pavement Clusters and Associated Performance Models. Mathematical Problems in Engineering, 2018, 2018, 1-17.	0.6	5
38	Vehicle Miles Traveled Fee System in Nevada. Transportation Research Record, 2013, 2345, 39-47.	1.0	4
39	Development of a Visualization System for Safety Analyst. Transportation Research Record, 2014, 2460, 176-185.	1.0	4
40	Forecasting performance measures for traffic safety using deterministic and stochastic models. , 2015, , .		4
41	Development of a Comprehensive Database System for Safety Analyst. Scientific World Journal, The, 2015, 2015, 1-14.	0.8	4
42	Traffic and Driving Simulator Based on Architecture of Interactive Motion. Scientific World Journal, The, 2015, 2015, 1-9.	0.8	4
43	Model-Based Methodology for Validation of Traffic Flow Detectors by Minimizing Human Bias in Video Data Processing. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1851-1860.	4.7	4
44	A clusterwise regression approach for the estimation of crash frequencies. Journal of Transportation Safety and Security, 2021, 13, 247-277.	1.1	4
45	Dynamic Modeling of Performance Indices for Planning of Sustainable Transportation Systems. , 2016, 16, 371.		4
46	Method for Incorporating Awareness Mechanisms in Driving Simulation Environments. IEEE Latin America Transactions, 2014, 12, 36-41.	1.2	3
47	The Feasibility of a Land Ferry System to Reduce Highway Maintenance Cost and Associated Externalities. Scientific World Journal, The, 2016, 2016, 1-10.	0.8	3
48	An Investigation of Geography and Climate Induced Distresses Patterns on Airfield Pavements at US Air Force Installations. Mathematical Problems in Engineering, 2017, 2017, 1-10.	0.6	3
49	Forecasting of Financial Series for the Nevada Department of Transportation Using Deterministic and Stochastic Methodologies. Procedia Manufacturing, 2015, 3, 3317-3324.	1.9	2
50	Simultaneous Estimation of Flexible Models and Associated Hyperparameters: An Application to Travel Activity-Duration Modeling. Transportation Research Record, 2018, 2672, 147-159.	1.0	2
51	Calibration of Microscopic Traffic Flow Simulation Models considering Subsets of Links and Parameters. Journal of Advanced Transportation, 2020, 2020, 1-18.	0.9	2
52	Development of control models for the planning of sustainable transportation systems. , 2015, 55, 474-474.		2
53	Dynamic model development of performance indices for planning of sustainable transportation systems. , 2012, , .		1
54	Towards a realistic traffic and driving simulation using 3D rendering. , 2015, , .		1

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55	Revisiting the application of simultaneous perturbation stochastic approximation towards signal timing optimization. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2018, 22, 365-375.	2.6	1
56	Relationship between Programmed Heavy Vehicle Inspections and Traffic Safety. Transportation Research Record, 0, , 036119812110164.	1.0	1
57	A Cost-Effective Approach for Evaluating On-Street Parking Utilization using Simple Cameras. , 2020, , .		1
58	Enhancing GPS-Assisted Travel Data Collection Through Smartphones. , 2020, , .		1
59	Assessing economic impacts of implementing a vehicle miles traveled fee in Nevada. , 2012, , .		0
60	An Investigation of SPSA for Signal Timing Optimization at Isolated Intersections. , 2015, , .		0
61	Stochastic dynamic user equilibrium using a mixed logit modeling framework. , 2016, , .		0
62	Modeling Asymmetry of Information for a Sample of the Chilean Companies Using Deterministic and Stochastic Methodologies. , 2016, , .		0
63	Mining Dynamic Network-Wide Traffic States. , 2018, , .		0
64	Method for incorporating awareness mechanisms in driving simulation environments. , 2013, , .		0