

Carlo G Prato

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

3,859
citations

136950

32
h-index

144013

57
g-index

104
all docs

104
docs citations

104
times ranked

3204
citing authors

#	ARTICLE	IF	CITATIONS
1	Route choice modeling: past, present and future research directions. <i>Journal of Choice Modelling</i> , 2009, 2, 65-100.	2.3	329
2	Intentions to use bike-sharing for holiday cycling: An application of the Theory of Planned Behavior. <i>Tourism Management</i> , 2015, 47, 34-46.	9.8	175
3	Safety perceptions and reported behavior related to cycling in mixed traffic: A comparison between Brisbane and Copenhagen. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2014, 23, 32-43.	3.7	164
4	Risk factors associated with bus accident severity in the United States: A generalized ordered logit model. <i>Journal of Safety Research</i> , 2012, 43, 171-180.	3.6	138
5	Using connectivity for measuring equity in transit provision. <i>Journal of Transport Geography</i> , 2014, 37, 82-92.	5.0	118
6	Modeling the behavior of novice young drivers during the first year after licensure. <i>Accident Analysis and Prevention</i> , 2010, 42, 480-486.	5.7	113
7	Aggravating and mitigating factors associated with cyclist injury severity in Denmark. <i>Journal of Safety Research</i> , 2014, 50, 75-82.	3.6	110
8	Harnessing big data for estimating the energy consumption and driving range of electric vehicles. <i>Transportation Research, Part D: Transport and Environment</i> , 2017, 54, 1-11.	6.8	103
9	Assessing the relationship between the Driver Behavior Questionnaire and the Driver Skill Inventory: Revealing sub-groups of drivers. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2014, 26, 82-91.	3.7	95
10	Modeling Route Choice Behavior. <i>Transportation Research Record</i> , 2007, 2003, 64-73.	1.9	86
11	Latent variables and route choice behavior. <i>Transportation</i> , 2012, 39, 299-319.	4.0	83
12	Analysis of factors associated with injury severity in crashes involving young New Zealand drivers. <i>Accident Analysis and Prevention</i> , 2014, 65, 142-155.	5.7	80
13	Applying Branch-and-Bound Technique to Route Choice Set Generation. <i>Transportation Research Record</i> , 2006, 1985, 19-28.	1.9	78
14	The Factor of Revisited Path Size. <i>Transportation Research Record</i> , 2008, 2076, 132-140.	1.9	78
15	User perspectives in public transport timetable optimisation. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 48, 269-284.	7.6	77
16	A Spatial Analysis of Land Use and Network Effects on Frequency and Severity of Cyclistâ€™Motorist Crashes in the Copenhagen Region. <i>Traffic Injury Prevention</i> , 2015, 16, 724-731.	1.4	73
17	The relation between working conditions, aberrant driving behaviour and crash propensity among taxi drivers in China. <i>Accident Analysis and Prevention</i> , 2019, 126, 17-24.	5.7	73
18	Passenger Perspectives in Railway Timetabling: A Literature Review. <i>Transport Reviews</i> , 2016, 36, 500-526.	8.8	72

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19	Understanding traffic crash under-reporting: Linking police and medical records to individual and crash characteristics. <i>Traffic Injury Prevention</i> , 2016, 17, 580-584.	1.4	65
20	Determinants of injury severity for truck crashes on mountain expressways in China: A case-study with a partial proportional odds model. <i>Safety Science</i> , 2019, 117, 100-107.	4.9	65
21	Applying Branch-and-Bound Technique to Route Choice Set Generation. <i>Transportation Research Record</i> , 2006, 1985, 19-28.	1.9	65
22	Influence of the Built Environment on Pedestrian Route Choices of Adolescent Girls. <i>Environment and Behavior</i> , 2015, 47, 359-394.	4.7	61
23	Cyclistâ€“Motorist Crash Patterns in Denmark: A Latent Class Clustering Approach. <i>Traffic Injury Prevention</i> , 2013, 14, 725-733.	1.4	59
24	The value of self-report measures as indicators of driving behaviors among young drivers. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2016, 39, 33-42.	3.7	57
25	Walking, cycling and the urban form: A Heckman selection model of active travel mode and distance by young adolescents. <i>Transportation Research, Part D: Transport and Environment</i> , 2016, 44, 55-65.	6.8	57
26	Mapping patterns of pedestrian fatal accidents in Israel. <i>Accident Analysis and Prevention</i> , 2012, 44, 56-62.	5.7	56
27	Multimodal route choice models of public transport passengers in the Greater Copenhagen Area. <i>EURO Journal on Transportation and Logistics</i> , 2017, 6, 221-245.	2.2	43
28	Home-end and activity-end preferences for access to and egress from train stations in the Copenhagen region. <i>International Journal of Sustainable Transportation</i> , 2017, 11, 776-786.	4.1	43
29	â€œThem or Usâ€ Perceptions, cognitions, emotions, and overt behavior associated with cyclists and motorists sharing the road. <i>International Journal of Sustainable Transportation</i> , 2016, 10, 193-200.	4.1	39
30	The application of the random regret minimization model to driversâ€™ choice of crash avoidance maneuvers. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2012, 15, 699-709.	3.7	35
31	Latent lifestyle and mode choice decisions when travelling short distances. <i>Transportation</i> , 2017, 44, 1343-1363.	4.0	34
32	The combined contribution of personality, family traits, and reckless driving intentions to young menâ€™s risky driving: What role does anger play?. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2016, 42, 299-306.	3.7	33
33	Accuracy of young male driversâ€™ self-assessments of driving skill. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2017, 46, 228-235.	3.7	33
34	Considering built environment and spatial correlation in modeling pedestrian injury severity. <i>Traffic Injury Prevention</i> , 2018, 19, 88-93.	1.4	33
35	The role of human needs in the intention to use conventional and electric bicycle sharing in a driving-oriented country. <i>Transport Policy</i> , 2018, 71, 138-146.	6.6	33
36	An intelligent decision support system prototype for hinterland port logistics. <i>Decision Support Systems</i> , 2020, 130, 113227.	5.9	33

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37	Closing the gap between behavior and models in route choice: The role of spatiotemporal constraints and latent traits in choice set formation. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2012, 15, 9-24.	3.7	32
38	Expanding the applicability of random regret minimization for route choice analysis. <i>Transportation</i> , 2014, 41, 351-375.	4.0	32
39	Evaluation of land-use and transport network effects on cyclists' route choices in the Copenhagen Region in value-of-distance space. <i>International Journal of Sustainable Transportation</i> , 2018, 12, 770-781.	4.1	32
40	Bus accident severity and passenger injury: evidence from Denmark. <i>European Transport Research Review</i> , 2014, 6, 17-30.	4.8	30
41	The effect of cooperation among shipping lines on transport costs and pollutant emissions. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 65, 312-323.	6.8	30
42	Stochastic user equilibrium with a bounded choice model. <i>Transportation Research Part B: Methodological</i> , 2018, 114, 254-280.	5.9	30
43	Methodological transferability in route choice modeling. <i>Transportation Research Part B: Methodological</i> , 2009, 43, 422-437.	5.9	29
44	Intrafamilial Transmission of Driving Behavior. <i>Transportation Research Record</i> , 2009, 2138, 54-65.	1.9	29
45	The economics of workplace charging. <i>Transportation Research Part B: Methodological</i> , 2016, 88, 93-118.	5.9	29
46	Stochastic user equilibrium with equilibrated choice sets: Part I " Model formulations under alternative distributions and restrictions. <i>Transportation Research Part B: Methodological</i> , 2015, 77, 166-181.	5.9	28
47	Impact of BAC limit reduction on different population segments: A Poisson fixed effect analysis. <i>Accident Analysis and Prevention</i> , 2007, 39, 1146-1154.	5.7	24
48	Profiling drunk driving recidivists in Denmark. <i>Accident Analysis and Prevention</i> , 2015, 83, 125-131.	5.7	24
49	How indicative is a self-reported driving behaviour profile of police registered traffic law offences?. <i>Accident Analysis and Prevention</i> , 2017, 99, 1-5.	5.7	24
50	Associating Crash Avoidance Maneuvers With Driver Attributes and Accident Characteristics: A Mixed Logit Model Approach. <i>Traffic Injury Prevention</i> , 2012, 13, 315-326.	1.4	22
51	Risk Factors Associated with Crash Severity on Low-Volume Rural Roads in Denmark. <i>Journal of Transportation Safety and Security</i> , 2014, 6, 1-20.	1.6	22
52	Parents'™ and peers'™ contribution to risky driving of male teen drivers. <i>Accident Analysis and Prevention</i> , 2015, 78, 81-86.	5.7	22
53	Infrastructure and spatial effects on the frequency of cyclist-motorist collisions in the Copenhagen Region. <i>Journal of Transportation Safety and Security</i> , 2016, 8, 346-360.	1.6	22
54	Psychosocial benefits and positive mood related to habitual bicycle use. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2019, 64, 342-352.	3.7	22

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55	Estimating Value of Congestion and of Reliability from Observation of Route Choice Behavior of Car Drivers. <i>Transportation Research Record</i> , 2014, 2412, 20-27.	1.9	20
56	Investigating yielding behavior of heterogeneous vehicles at a semi-controlled crosswalk. <i>Accident Analysis and Prevention</i> , 2021, 161, 106381.	5.7	20
57	Stochastic user equilibrium with equilibrated choice sets: Part II – Solving the restricted SUE for the logit family. <i>Transportation Research Part B: Methodological</i> , 2015, 77, 146-165.	5.9	19
58	Ranking contributors to traffic crashes on mountainous freeways from an incomplete dataset: A sequential approach of multivariate imputation by chained equations and random forest classifier. <i>Accident Analysis and Prevention</i> , 2020, 146, 105744.	5.7	19
59	Modeling the Efficiency of a Port Community System as an Agent-based Process. <i>Procedia Computer Science</i> , 2017, 109, 917-922.	2.0	18
60	Contrasting case-wise deletion with multiple imputation and latent variable approaches to dealing with missing observations in count regression models. <i>Analytic Methods in Accident Research</i> , 2019, 24, 100104.	8.2	18
61	Should I stay or should I go? Investigating route switching behavior from revealed preferences data. <i>Transportation</i> , 2019, 46, 75-93.	4.0	18
62	How uncertainty in input and parameters influences transport model :output A four-stage model case-study. <i>Transport Policy</i> , 2015, 38, 64-72.	6.6	16
63	Myopic loss aversion in the response of electric vehicle owners to the scheduling and pricing of vehicle charging. <i>Transportation Research, Part D: Transport and Environment</i> , 2017, 50, 345-356.	6.8	15
64	The relation between the perception of safe traffic and the comprehension of road signs in conditions of ambiguous and redundant information. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2018, 55, 415-425.	3.7	15
65	Contributors to young drivers’ driving styles – A comparison between Israel and Queensland. <i>Accident Analysis and Prevention</i> , 2017, 109, 47-54.	5.7	14
66	Reducing passengers’ travel time by optimising stopping patterns in a large-scale network: A case-study in the Copenhagen Region. <i>Transportation Research, Part A: Policy and Practice</i> , 2018, 113, 197-212.	4.2	14
67	The relation between cyclists’ perceptions of drivers, self-concepts and their willingness to cycle in mixed traffic. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2019, 62, 45-57.	3.7	14
68	Methodology for Exploratory Analysis of Latent Factors Influencing Drivers’ Behavior. <i>Transportation Research Record</i> , 2005, 1926, 115-125.	1.9	13
69	Copula-Based Joint Discrete-Continuous Model of Road Vehicle Type and Shipment Size. <i>Transportation Research Record</i> , 2017, 2610, 87-96.	1.9	13
70	A generalised model for container drayage operations with heterogeneous fleet, multi-container sizes and two modes of operation. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 139, 101973.	7.4	13
71	Relevance of detailed transfer attributes in large-scale multimodal route choice models for metropolitan public transport passengers. <i>Transportation Research, Part A: Policy and Practice</i> , 2021, 147, 76-92.	4.2	13
72	Attitudes, norms and difficulties underlying road sharing intentions as drivers and cyclists: Evidence from the Czech Republic. <i>International Journal of Sustainable Transportation</i> , 2019, 13, 350-362.	4.1	12

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73	Disentangling the behavioural side of the first and last mile problem: the role of modality style and the built environment. <i>Journal of Transport Geography</i> , 2021, 91, 102936.	5.0	12
74	Role of Social Climate in Habitual Transit Use by Young Adults to Work and Leisure Activities. <i>Transportation Research Record</i> , 2015, 2512, 22-30.	1.9	11
75	On the robustness of random regret minimization modelling outcomes towards omitted attributes. <i>Journal of Choice Modelling</i> , 2016, 18, 51-70.	2.3	11
76	Young male driversâ€™ risky driving 15 months after licensure â€“ The role of intervention, attitudes towards accompanied driving, and parentsâ€™ risk. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2017, 51, 73-80.	3.7	11
77	Methodology for Exploratory Analysis of Latent Factors Influencing Drivers' Behavior. <i>Transportation Research Record</i> , 2005, 1926, 115-125.	1.9	11
78	Analyzing the relationship between car generation and severity of motor-vehicle crashes in Denmark. <i>Accident Analysis and Prevention</i> , 2013, 54, 81-89.	5.7	10
79	THE IMPACT OF VEHICLE MOVEMENT ON EXPLOITATION PARAMETERS OF ROADS AND RUNWAYS: A SHORT REVIEW OF THE SPECIAL ISSUE. <i>Transport</i> , 2016, 31, 127-132.	1.2	10
80	Fatal and serious road crashes involving young New Zealand drivers: a latent class clustering approach. <i>International Journal of Injury Control and Safety Promotion</i> , 2016, 23, 427-443.	2.0	10
81	Explaining risks behind the wheel â€“ Comparing Israeli and Queensland young drivers. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2018, 58, 184-192.	3.7	10
82	Integrating police reports with geographic information system resources for uncovering patterns of pedestrian crashes in Denmark. <i>Journal of Transport Geography</i> , 2019, 74, 10-23.	5.0	10
83	META-ANALYSIS OF CHOICE SET GENERATION EFFECTS ON ROUTE CHOICE MODEL ESTIMATES AND PREDICTIONS. <i>Transport</i> , 2012, 27, 286-298.	1.2	9
84	A bivariate random effects spatial model of traffic fatalities and injuries across Provinces of Iran. <i>Accident Analysis and Prevention</i> , 2020, 136, 105394.	5.7	9
85	Modeling Mode Choice of Air Passengersâ€™ Ground Access to Brisbane Airport. <i>Transportation Research Record</i> , 2020, 2674, 756-767.	1.9	9
86	Braking News. <i>Transportation Research Record</i> , 2012, 2280, 75-88.	1.9	8
87	A Route Choice Model for Capturing Driver Preferences When Driving Electric and Conventional Vehicles. <i>Sustainability</i> , 2020, 12, 1149.	3.2	8
88	Identifying Truck Stops from a Large Stream of GPS Data via a Hidden Markov Chain Model. , 2019, , .		7
89	A joint hybrid model of the choices of container terminals and of dwell time. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 121, 119-133.	7.4	7
90	Investigating the reasons behind the intention to report cycling crashes to the police and hospitals in Denmark. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2017, 44, 159-167.	3.7	6

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91	Road signage comprehension and overload: the role of driving style and need for closure. Transportation Research Procedia, 2017, 24, 442-449.	1.5	6
92	Observed and unobserved correlation between crash avoidance manoeuvres and crash severity. International Journal of Injury Control and Safety Promotion, 2016, 23, 413-426.	2.0	5
93	The Role of Culture and Needs in the Cycling Habits of Female Immigrants from a Driving-Oriented to a Cycling-Oriented Country. Transportation Research Record, 2018, 2672, 155-165.	1.9	5
94	The role of household modality style in first and last mile travel mode choice. Transportation Research, Part A: Policy and Practice, 2022, 158, 95-109.	4.2	5
95	Pattern Recognition and Classification of Fatal Traffic Accidents in Israel: A Neural Network Approach. Journal of Transportation Safety and Security, 2011, 3, 304-323.	1.6	4
96	Effects of Uncertainty in Speed-Flow Curve Parameters on a Large-Scale Model. Transportation Research Record, 2014, 2429, 30-37.	1.9	3
97	Evaluating the police service quality for handling traffic crash reporting. Policing, 2017, 40, 410-425.	1.2	3
98	DYNAMIC QUEUING TRANSMISSION MODEL FOR DYNAMIC NETWORK LOADING. Transport, 2017, 32, 146-159.	1.2	2
99	Estimating Route Choice Models from Stochastically Generated Choice Sets on Large-Scale Networks. Transportation Research Record, 2015, 2493, 11-18.	1.9	1
100	Comparison Between Young Male Drivers' Self-assessed and Objectively Measured Driving Skills. Advances in Intelligent Systems and Computing, 2018, , 787-797.	0.6	0
101	Discrete-Time Hazard Model of the Dynamic Utilization of Parking Spaces within Park-and-Ride Lots. Transportation Research Record, 2018, 2672, 911-919.	1.9	0
102	Habitual Behavior. , 2021, , 54-58.		0
103	Data Analysis: Integrated Choice and Latent Variable Models. , 2021, , 102-106.		0