Konstadinos G Goulias

List of Publications by Year
in descending order

95 papers	1,703 citations	257357 24 h-index	345118 36 g-index
95 all docs	95 docs citations	95 times ranked	1231 citing authors

#	Article	IF	Citations
1	A household-level activity pattern generation model with an application for Southern California. Transportation, 2013, 40, 1063-1086.	2.1	69
2	Spatial analysis of access to and accessibility surrounding train stations: a case study of accessibility for the elderly in Perth, Western Australia. Journal of Transport Geography, 2014, 39, 111-120.	2.3	65
3	Development of Indicators of Opportunity-Based Accessibility. Transportation Research Record, 2011, 2255, 58-68.	1.0	60
4	Longitudinal analysis of activity and travel pattern dynamics using generalized mixed Markov latent class models. Transportation Research Part B: Methodological, 1999, 33, 535-558.	2.8	58
5	Model for Children's School Travel Mode Choice. Transportation Research Record, 2011, 2213, 78-86.	1.0	55
6	Linking Elderly Transport Mobility and Subjective Well-Being. Transportation Research Record, 2013, 2382, 28-36.	1.0	53
7	Title is missing!. Transportation, 2002, 29, 31-48.	2.1	52
8	Immigration, residential location, car ownership, and commuting behavior: a multivariate latent class analysis from California. Transportation, 2008, 35, 655-671.	2.1	52
9	Activity space estimation with longitudinal observations of social media data. Transportation, 2016, 43, 955-977.	2.1	52
10	Parental Attitudes toward Children Walking and Bicycling to School. Transportation Research Record, 2012, 2323, 46-55.	1.0	49
11	A repeated cross-sectional evaluation of car ownership. Transportation, 1995, 22, 165-184.	2.1	48
12	Application of Poisson Regression Models to Activity Frequency Analysis and Prediction. Transportation Research Record, 1999, 1676, 86-94.	1.0	43
13	Modeling travel behavior and sense of place using a structural equation model. Journal of Transport Geography, 2013, 28, 155-163.	2.3	43
14	Time use and activity perspectives in travel behavior research. Transportation, 2002, 29, 1-4.	2.1	41
15	Evaluating the Impact of Neighborhood Trail Development on Active Travel Behavior and Overall Physical Activity of Suburban Residents. Transportation Research Record, 2009, 2135, 78-86.	1.0	39
16	Opportunity-Based Dynamic Transit Accessibility in Southern California. Transportation Research Record, 2012, 2276, 26-37.	1.0	39
17	Title is missing!. Transportation, 1997, 24, 309-331.	2.1	37
18	Active travel behavior. Transportation Letters, 2009, 1, 147-167.	1.8	33

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19	An assessment of activity-based modeling and simulation for applications in operational studies, disaster preparedness, and homeland security. Transportation Letters, 2009, 1, 19-39.	1.8	32
20	Impact of time-space prism accessibility on time use behavior and its propagation through intra-household interaction. Transportation Letters, 2010, 2, 245-260.	1.8	29
21	Feasibility of using time–space prism to represent available opportunities and choice sets for destination choice models in the context of dynamic urban environments. Transportation, 2012, 39, 807-823.	2.1	29
22	On altruists and egoists in activity participation and travel: who are they and do they live together?. Transportation, 2006, 33, 447-462.	2.1	28
23	Spatial Analysis of Propensity to Escort Children to School in Southern California. Transportation Research Record, 2011, 2230, 132-142.	1.0	28
24	Travel Behavior Implications of Information and Communications Technology in Puget Sound Region. Transportation Research Record, 2001, 1752, 157-165.	1.0	27
25	Nonparametric identification of daily activity durations using kernel density estimators. Transportation Research Part B: Methodological, 2002, 36, 59-82.	2.8	26
26	Exploratory Longitudinal Analysis of Solo and Joint Trip Making Using the Puget Sound Transportation Panel. Transportation Research Record, 1999, 1676, 77-85.	1.0	24
27	Decision makers and socializers, social networks and the role of individuals as participants. Transportation, 2013, 40, 755-771.	2.1	23
28	Modeling of Household Vehicle Type Choice Accommodating Spatial Dependence Effects. Transportation Research Record, 2013, 2343, 86-94.	1.0	23
29	Pattern recognition of daily activity patterns using human mobility motifs and sequence analysis. Transportation Research Part C: Emerging Technologies, 2020, 120, 102796.	3.9	23
30	Structural Equations Model of Land Use Patterns, Location Choice, and Travel Behavior. Transportation Research Record, 2009, 2135, 106-113.	1.0	22
31	Catching the Next Big Wave. Transportation Research Record, 2007, 2014, 67-75.	1.0	21
32	Simulator of activities, greenhouse emissions, networks, and travel (SimAGENT) in Southern California: Design, implementation, preliminary findings, and integration plans. , 2011, , .		21
33	Using a multi equation model to unravel the influence of land use patterns on travel behavior of workers in Lisbon. Transportation Letters, 2012, 4, 193-209.	1.8	20
34	Perceived usefulness and intentions to adopt autonomous vehicles. Transportation Research, Part A: Policy and Practice, 2022, 161, 170-185.	2.0	20
35	Framework for the Analysis of Grocery Teleshopping. Transportation Research Record, 2000, 1725, 1-8.	1.0	18
36	Design of Comprehensive Microsimulator of Household Vehicle Fleet Composition, Utilization, and Evolution. Transportation Research Record, 2011, 2254, 44-57.	1.0	16

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37	Joint Vehicle Holdings, by Type and Vintage, and Primary Driver Assignment Model with Application for California. Transportation Research Record, 2012, 2302, 74-83.	1.0	16
38	Unveiling daily activity pattern differences between telecommuters and commuters using human mobility motifs and sequence analysis. Transportation Research, Part A: Policy and Practice, 2021, 147, 106-132.	2.0	16
39	A Longitudinal Analysis of Awareness and Use for Advanced Traveler Information Systems. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2004, 8, 3-17.	2.6	15
40	Application of Socioeconomic Model System for Activity-Based Modeling: Experience from Southern California. Transportation Research Record, 2012, 2303, 71-80.	1.0	15
41	Place happiness: its constituents and the influence of emotions and subjective importance on activity type and destination choice. Transportation, 2014, 41, 1323-1340.	2.1	14
42	Fragmentation in Daily Schedule of Activities using Activity Sequences. Transportation Research Record, 2019, 2673, 844-854.	1.0	14
43	Dynamic Emergency Evacuation Management System Using Geographic Information System and Spatiotemporal Models of Behavior. Transportation Research Record, 1999, 1660, 92-99.	1.0	13
44	Application of Adaptive Neuro-Fuzzy Inference System to Analysis of Travel Behavior. Transportation Research Record, 2003, 1854, 180-188.	1.0	13
45	Exploring Sense-of-Place Attitudes as Indicators of Travel Behavior. Transportation Research Record, 2010, 2157, 95-102.	1.0	12
46	ÂÂÂLogistic regression models for the nearest train station choice: A comparison of captive and non-captive stations. Case Studies on Transport Policy, 2015, 3, 382-391.	1.1	12
47	Fundamental Linkages Between Activity Time Use and Subjective Well-Being for the Elderly Population: Joint Exploratory Analysis Framework for In-Home and Out-of-Home Activities. Transportation Research Record, 2016, 2566, 31-40.	1.0	12
48	From land cover to land use: applying random forest classifier to Landsat imagery for urban land-use change mapping. Geocarto International, 2022, 37, 5523-5546.	1.7	12
49	ORTEGA: An object-oriented time-geographic analytical approach to trace space-time contact patterns in movement data. Computers, Environment and Urban Systems, 2021, 88, 101630.	3.3	12
50	Simulation of Daily Activity Patterns Incorporating Interactions Within Households: Algorithm Overview and Performance. Transportation Research Record, 2005, 1926, 135-141.	1.0	12
51	Travel Demand Forecasting Using Microsimulation: Initial Results from Case Study in Pennsylvania. Transportation Research Record, 1997, 1607, 24-30.	1.0	11
52	Use of Traveler Information in the Puget Sound Region: Preliminary Multivariate Analysis. Transportation Research Record, 2000, 1719, 94-102.	1.0	10
53	Multilevel Analysis of Activity and Travel Patterns: Accounting for Person- and Household-Specific Observed and Unobserved Effects Simultaneously. Transportation Research Record, 2001, 1752, 23-31.	1.0	10
54	Structural Equations Model of Land Use Patterns, Location Choice, and Travel Behavior in Southern California. Transportation Research Record, 2012, 2323, 35-45.	1.0	10

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55	Dynamic diurnal social taxonomy of urban environments using data from a geocoded time use activity-travel diary and point-based business establishment inventory. Transportation Research, Part A: Policy and Practice, 2014, 68, 3-17.	2.0	10
56	Understanding senior's daily mobility patterns in California using human mobility motifs. Journal of Transport Geography, 2021, 94, 103117.	2.3	9
57	Perceptions in Mode Choice Using Situational Approach â€œTrip-by-Trip Multivariate Analysis for Public Transportationâ€. Transportation Research Record, 1998, 1645, 82-93.	1.0	8
58	How public interest and concerns about autonomous vehicles change over time: A study of repeated cross-sectional travel survey data of the Puget Sound Region in the Northwest United States. Transportation Research Part C: Emerging Technologies, 2021, 133, 103446.	3.9	8
59	Understanding Place through use of Mixed-Method Approach. Transportation Research Record, 2012, 2323, 1-9.	1.0	7
60	A Latent Class Pattern Recognition and Data Quality Assessment of Non-Commute Long-Distance Travel in California. Transportation Research Record, 2018, 2672, 71-80.	1.0	7
61	Exploring Daily Rhythms of Interpersonal Contacts: Time-of-Day Dynamics of Human Interactions with Latent Class Cluster Analysis. Transportation Research Record, 2017, 2666, 58-68.	1.0	6
62	Incorporating Land Use into Methods of Synthetic Population Generation and of Transfer of Behavioral Data. Transportation Research Record, 2017, 2668, 11-20.	1.0	6
63	Exploration of Statewide Fragmentation of Activity and Travel and a Taxonomy of Daily Time Use Patterns using Sequence Analysis in California. Transportation Research Record, 2020, 2674, 38-51.	1.0	6
64	Truck Traffic Prediction Using Quick Response Freight Model Under Different Degrees of Geographic Resolution: Geographic Information System Application in Pennsylvania. Transportation Research Record, 1998, 1625, 118-123.	1.0	6
65	Analysis of binary choice frequencies with limit cases: Comparison of alternative estimation methods and application to weekly household mode choice. Transportation Research Part B: Methodological, 1993, 27, 65-78.	2.8	5
66	Travel Behavior Analysis of South Perth Individualized Marketing Intervention. Transportation Research Record, 2002, 1807, 77-86.	1.0	5
67	Exploring the Role of Location in Dynamics of the Birth and Death of Business Establishments: Case Study Analysis of Santa Barbara County, California. Transportation Research Record, 2016, 2564, 106-117.	1.0	5
68	Exploratory Analysis of the Activity Time-Use Frontier and Its Effect on Episodic Well-Being: Data from the Disability and Use of Time Survey. Transportation Research Record, 2017, 2669, 80-90.	1.0	5
69	A Spatial Latent Profile Analysis to Classify Land Uses for Population Synthesis Methods in Travel Demand Forecasting. Transportation Research Record, 2018, 2672, 158-170.	1.0	5
70	Travel Behavior and Demand Analysis and Prediction. , 2009, , 9536-9565.		5
71	Triggers of behavioral change: Longitudinal analysis of travel behavior, household composition and spatial characteristics of the residence. Journal of Choice Modelling, 2017, 24, 4-21.	1.2	4
72	Tour-Based Path Analysis of Long-Distance Non-Commute Travel Behavior in California. Transportation Research Record, 2018, 2672, 1-11.	1.0	4

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73	Evolution of the Chinese spring festival travel network during the COVID-19 early outbreak. Transportation Letters, 2021, 13, 492-500.	1.8	4
74	Special issue on understanding the relationships between COVID-19 and transportation. Transportation Letters, 2021, 13, 327-330.	1.8	4
75	Multivariate Marginal Frequency Analysis of Activity and Travel Patterns in First Four Waves of Puget Sound Transportation Panel. Transportation Research Record, 1996, 1556, 67-76.	1.0	4
76	Car Ownership and the Built Environment: A Spatial Modeling Approach. Transportation Research Record, 0, , 036119812110494.	1.0	4
77	Literacy, Access, and Mobility. Transportation Research Record, 2010, 2193, 132-139.	1.0	3
78	Exploratory Analysis of Spatial Hierarchical Clustering in Los Angeles County, California: Relationship of Opportunity-Based Accessibility, Reported Land Values, and Resident Characteristics. Transportation Research Record, 2012, 2307, 132-140.	1.0	3
79	Companionship and time investment in social fields at different life cycle stages: Implications for activity and travel modeling and simulation. Research in Transportation Economics, 2018, 68, 18-28.	2.2	3
80	Understanding the impact of temporal scale on human movement analytics. Journal of Geographical Systems, 2022, 24, 353-388.	1.9	3
81	A classification framework and computational methods for human interaction analysis using movement data. Transactions in GIS, 2022, 26, 1665-1682.	1.0	3
82	Spatiotemporal analysis of activity-travel fragmentation based on spatial clustering and sequence analysis. Journal of Transport Geography, 2022, 102, 103382.	2.3	3
83	Travel Determinants and Multiscale Transferability of National Activity Patterns to Local Populations. Transportation Research Record, 2011, 2231, 35-43.	1.0	2
84	A Decade of Dynamics of Residential Location, Car Ownership, Activity, Travel and Land Use in the Seattle Metropolitan Region. Transportation Research Procedia, 2017, 23, 420-439.	0.8	2
85	A decade of dynamics of residential location, car ownership, activity, travel and land use in the Seattle metropolitan region. Transportation Research, Part A: Policy and Practice, 2018, 114, 272-287.	2.0	2
86	Sequence analysis of place-travel fragmentation in California. , 2020, , 371-398.		2
87	Design of Automatic Comprehensive Traffic Data Management System for Pennsylvania. Transportation Research Record, 1998, 1625, 1-11.	1.0	1
88	Analysis of the Resident Component in PennPlanâ€™s Public Involvement Survey: Survey Overview and Item Nonresponse Selectivity Issues. Transportation Research Record, 2001, 1780, 145-154.	1.0	1
89	Statewide Comparison of Origin-Destination Matrices Between California Travel Model and Twitter. , 2019, , 201-228.		1
90	Remembering a teacher. Transportation, 2009, 36, 643-645.	2.1	0

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91	A method for computing flight emissions and identifying potential Point-to-Point aviation markets. , 2011, , .		0
92	Choice context. , 2014, , .		0
93	Environmental correlates of travel behavior from a destination attractiveness and activity timing perspectives. , 2020, , 83-102.		0
94	Guest Editorial Introduction to the Special Issue on Unmanned Aircraft System Traffic Management. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5874-5879.	4.7	0
95	California Business Establishment Evolution and Transportation Provision. , 2019, , 295-323.		0