Antonio Paez

List of Publications by Year in descending order

144 papers	6,738 citations	66343 42 h-index	71685 76 g-index
148 all docs	148 docs citations	148 times ranked	4621 citing authors

#	Article	IF	Citations
1	Measuring accessibility: positive and normative implementations of various accessibility indicators. Journal of Transport Geography, 2012, 25, 141-153.	5.0	469
2	Spatial statistics for urban analysis: A review of techniques with examples. Geo Journal, 2004, 61, 53-67.	3.1	221
3	Relative Accessibility Deprivation Indicators for Urban Settings: Definitions and Application to Food Deserts in Montreal. Urban Studies, 2010, 47, 1415-1438.	3.7	203
4	Mode choice of university students commuting to school and the role of active travel. Journal of Transport Geography, 2013, 31, 132-142.	5.0	203
5	Sustainable Urban Transportation: Performance Indicators and Some Analytical Approaches. Journal of the Urban Planning and Development Division, ASCE, 2002, 128, 184-209.	1.7	190
6	A Simulation-Based Study of Geographically Weighted Regression as a Method for Investigating Spatially Varying Relationships. Environment and Planning A, 2011, 43, 2992-3010.	3.6	176
7	Travel behavior within Canada's older population: a cohort analysis. Journal of Transport Geography, 2005, 13, 340-351.	5.0	172
8	Determinants of distance traveled with a focus on the elderly: a multilevel analysis in the Hamilton CMA, Canada. Journal of Transport Geography, 2009, 17, 65-76.	5.0	157
9	Distance traveled in three Canadian cities: Spatial analysis from the perspective of vulnerable population segments. Journal of Transport Geography, 2011, 19, 39-50.	5.0	157
10	Elderly Mobility: Demographic and Spatial Analysis of Trip Making in the Hamilton CMA, Canada. Urban Studies, 2007, 44, 123-146.	3.7	153
11	A General Framework for Estimation and Inference of Geographically Weighted Regression Models: 1. Location-Specific Kernel Bandwidths and a Test for Locational Heterogeneity. Environment and Planning A, 2002, 34, 733-754.	3.6	150
12	A systematic investigation of cross-validation in GWR model estimation: empirical analysis and Monte Carlo simulations. Journal of Geographical Systems, 2007, 9, 371-396.	3.1	150
13	Social Influence on Travel Behavior: A Simulation Example of the Decision to Telecommute. Environment and Planning A, 2007, 39, 647-665.	3.6	145
14	Walking accessibility to urban parks by children: A case study of Montreal. Landscape and Urban Planning, 2014, 125, 38-47.	7.5	145
15	Accessibility to health care facilities in Montreal Island: an application of relative accessibility indicators from the perspective of senior and non-senior residents. International Journal of Health Geographics, 2010, 9, 52.	2.5	138
16	The mobility of older people – an introduction. Journal of Transport Geography, 2010, 18, 591-595.	5.0	138
17	Moving Window Approaches for Hedonic Price Estimation: An Empirical Comparison of Modelling Techniques. Urban Studies, 2008, 45, 1565-1581.	3.7	128
18	Enjoyment of commute: A comparison of different transportation modes. Transportation Research, Part A: Policy and Practice, 2010, 44, 537-549.	4.2	126

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19	Accessibility to transit, by transit, and mode share: application of a logistic model with spatial filters. Journal of Transport Geography, 2012, 24, 198-205.	5.0	105
20	My car, my friends, and me: a preliminary analysis of automobility and social activity participation. Journal of Transport Geography, 2009, 17, 216-225.	5.0	104
21	A Discrete-Choice Approach to Modeling Social Influence on Individual Decision Making. Environment and Planning B: Planning and Design, 2008, 35, 1055-1069.	1.7	101
22	A General Framework for Estimation and Inference of Geographically Weighted Regression Models: 2. Spatial Association and Model Specification Tests. Environment and Planning A, 2002, 34, 883-904.	3.6	100
23	Geographically Weighted Regression. , 2010, , 461-486.		99
24	A Spatio–Temporal Analysis of the Environmental Correlates of COVID–19 Incidence in Spain. Geographical Analysis, 2021, 53, 397-421.	3.5	98
25	Transportation infrastructure impacts on firm location: the effect of a new metro line in the suburbs of Madrid. Journal of Transport Geography, 2012, 22, 236-250.	5.0	90
26	Mode use and trip length of seniors in Montreal. Journal of Transport Geography, 2013, 30, 89-99.	5.0	90
27	Trip generation of vulnerable populations in three Canadian cities: a spatial ordered probit approach. Transportation, 2010, 37, 525-548.	4.0	89
28	Spatial Association and Heterogeneity Issues in Land Price Models. Urban Studies, 2001, 38, 1493-1508.	3.7	76
29	Built environment and violent crime: An environmental audit approach using Google Street View. Computers, Environment and Urban Systems, 2017, 66, 83-95.	7.1	75
30	Forecasting Ontario's blood supply and demand. Transfusion, 2012, 52, 366-374.	1.6	74
31	Exploring contextual variations in land use and transport analysis using a probit model with geographical weights. Journal of Transport Geography, 2006, 14, 167-176.	5.0	73
32	Accessibility to urban green spaces in Chilean cities using adaptive thresholds. Journal of Transport Geography, 2016, 57, 227-240.	5.0	71
33	New Insights into Senior Travel Behavior: The Canadian Experience. Growth and Change, 2009, 40, 140-168.	2.6	59
34	Social Networks, Choices, Mobility, and Travel. Environment and Planning B: Planning and Design, 2008, 35, 956-960.	1.7	58
35	Activity Spaces and the Measurement of Clustering and Exposure: A Case Study of Linguistic Groups in Montreal. Environment and Planning A, 2012, 44, 315-332.	3.6	54
36	Spatial statistics for urban analysis: A review of techniques with examples. Geo Journal, 2004, 61, 53-67.	3.1	54

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37	Running to stay in place: the time-use implications of automobile oriented land-use and travel. Journal of Transport Geography, 2011, 19, 782-793.	5.0	53
38	Geographic access to COVID-19 healthcare in Brazil using a balanced float catchment area approach. Social Science and Medicine, 2021, 273, 113773.	3.8	52
39	Topology and Dependency Tests in Spatial and Network Autoregressive Models. Geographical Analysis, 2009, 41, 158-180.	3.5	51
40	Transport policy and the provision of mobility options in an aging society: a case study of Ontario, Canada. Journal of Transport Geography, 2010, 18, 649-661.	5.0	51
41	Why do you care what other people think? A qualitative investigation of social influence and telecommuting. Transportation Research, Part A: Policy and Practice, 2011, 45, 269-282.	4.2	51
42	Assessing social equity in distance based transit fares using a model of travel behavior. Transportation Research, Part A: Policy and Practice, 2014, 67, 291-303.	4.2	51
43	Investigating the Effects of Social Influence on the Choice to Telework. Environment and Planning A, 2012, 44, 1016-1031.	3.6	49
44	Gender and commuting time in São Paulo Metropolitan Region. Urban Studies, 2015, 52, 298-313.	3.7	46
45	Road accessibility and cohesion in lagging regions: Empirical evidence from Portugal based on spatial econometric models. Journal of Transport Geography, 2010, 18, 125-132.	5.0	44
46	A time-use investigation of shopping participation in three Canadian cities: is there evidence of social exclusion?. Transportation, 2011, 38, 17-44.	4.0	44
47	A model-based approach to select case sites for walkability audits. Health and Place, 2012, 18, 1323-1334.	3.3	42
48	Testing for spatial association of qualitative data using symbolic dynamics. Journal of Geographical Systems, 2010, 12, 281-309.	3.1	41
49	An investigation of the attributes of walkable environments from the perspective of seniors in Montreal. Journal of Transport Geography, 2016, 51, 85-96.	5.0	41
50	Discrete Choice Model with Structuralized Spatial Effects for Location Analysis. Transportation Research Record, 2004, 1898, 183-190.	1.9	40
51	Transportation and social interactions. Transportation Research, Part A: Policy and Practice, 2011, 45, 239-247.	4.2	40
52	Demand and level of service inflation in Floating Catchment Area (FCA) methods. PLoS ONE, 2019, 14, e0218773.	2.5	39
53	Weight matrices for social influence analysis: An investigation of measurement errors and their effect on model identification and estimation quality. Social Networks, 2008, 30, 309-317.	2.1	38
54	Vulnerability of nodes under controlled network topology and flow autocorrelation conditions. Journal of Transport Geography, 2017, 59, 77-87.	5.0	37

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55	Analysis of House Prices to Assess Economic Impacts of New Public Transport Infrastructure. Transportation Research Record, 2011, 2245, 131-139.	1.9	35
56	Participation and desire: leisure activities among Canadian adults with disabilities. Transportation, 2012, 39, 1055-1078.	4.0	32
57	Driving out of choices: An investigation of transport modality in a university sample. Transportation Research, Part A: Policy and Practice, 2013, 57, 37-46.	4.2	32
58	Geographical variations in the correlates of blood donor turnout rates: An investigation of Canadian metropolitan areas. International Journal of Health Geographics, 2009, 8, 56.	2.5	31
59	Infant mortality in Brazil, 1980-2000: A spatial panel data analysis. BMC Public Health, 2012, 12, 181.	2.9	31
60	Network Accessibility and the Spatial Distribution of Economic Activity in Eastern Asia. Urban Studies, 2004, 41, 2211-2230.	3.7	30
61	Geodemographic analysis and the identification of potential business partnerships enabled by transit smart cards. Transportation Research, Part A: Policy and Practice, 2011, 45, 640-652.	4.2	30
62	Explaining transport mode use of low-income persons for journey to work in urban areas: a case study of Ontario and Quebec. Transportmetrica, 2012, 8, 157-179.	1.8	30
63	Employment status and commute distance of Canadians with disabilities. Transportation, 2010, 37, 931-952.	4.0	29
64	Anisotropic Variance Functions in Geographically Weighted Regression Models. Geographical Analysis, 2004, 36, 299-314.	3.5	28
65	Individual and contextual determinants of blood donation frequency with a focus on clinic accessibility: A case study of Toronto, Canada. Health and Place, 2012, 18, 424-433.	3.3	27
66	Ambient Population and Larceny-Theft: A Spatial Analysis Using Mobile Phone Data. ISPRS International Journal of Geo-Information, 2020, 9, 342.	2.9	26
67	A Bayesian approach to hedonic price analysis. Papers in Regional Science, 2014, 93, 663-684.	1.9	25
68	Trip Generation of Seniors and the Geography of Walking in Montreal. Environment and Planning A, 2015, 47, 957-976.	3.6	25
69	Measuring relative non-motorized accessibility to retail activities. International Journal of Sustainable Transportation, 2019, 13, 639-651.	4.1	24
70	Comparing distance, time, and metabolic energy cost functions for walking accessibility in infrastructure-poor regions. Journal of Transport Geography, 2020, 82, 102564.	5.0	24
71	Recent research in spatial real estate hedonic analysis. Journal of Geographical Systems, 2009, 11, 311-316.	3.1	23
72	Using Synthetic Variables in Instrumental Variable Estimation of Spatial Series Models. Environment and Planning A, 2013, 45, 2227-2242.	3.6	23

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73	Built for active travel? Investigating the contextual effects of the built environment on transportation mode choice. Journal of Transport Geography, 2021, 96, 103158.	5.0	23
74	Betweenness-accessibility: Estimating impacts of accessibility on networks. Journal of Transport Geography, 2020, 84, 102680.	5.0	22
75	Local Analysis of Spatial Relationships: A Comparison of GWR and the Expansion Method. Lecture Notes in Computer Science, 2005, , 162-172.	1.3	21
76	T-communities and Sense of Community in a University Town: Evidence from a Student Sample using a Spatial Ordered-response Model. Urban Studies, 2012, 49, 1357-1376.	3.7	21
77	â€œGoing through a little bit of growing painsâ€? A qualitative study of the factors that influence the route choice of regular bicyclists in a developing cycling city. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 81, 431-444.	3.7	21
78	Measuring Ethnic Clustering and Exposure with the<i>Q</i>Statistic: An Exploratory Analysis of Irish, Germans, and Yankees in 1880 Newark. Annals of the American Association of Geographers, 2012, 102, 84-102.	3.0	20
79	Spatial clustering of highâ€‘tech manufacturing and knowledgeâ€‘intensive service firms in the Greater Toronto Area. Canadian Geographer / Geographie Canadien, 2017, 61, 240-252.	1.5	20
80	Jobs and the Single Parent: An Analysis of Accessibility to Employment in Toronto. Urban Geography, 2013, 34, 815-842.	3.0	19
81	Mapping travelersâ€™ attitudes: does space matter?. Journal of Transport Geography, 2013, 26, 117-125.	5.0	19
82	Using Google Community Mobility Reports to investigate the incidence of COVID-19 in the United States. Findings, 0, , .	0.0	19
83	Spatial perspectives on urban systems: developments and directions. Journal of Geographical Systems, 2007, 9, 1-6.	3.1	18
84	Developing a web-based accessibility calculator prototype for the Greater Montreal Area. Transportation Research, Part A: Policy and Practice, 2013, 58, 103-115.	4.2	18
85	Estimating commercial property prices: an application of cokriging with housing prices as ancillary information. Journal of Geographical Systems, 2009, 11, 407-425.	3.1	17
86	IMPACT: An integrated GIS-based model for simulating the consequences of demographic changes and population ageing on transportation. Computers, Environment and Urban Systems, 2009, 33, 200-210.	7.1	17
87	Neighborhood and Efficiency in Manufacturing in Brazilian Regions. International Regional Science Review, 2011, 34, 397-418.	2.1	17
88	Travel behavior of low income older adults and implementation of an accessibility calculator. Journal of Transport and Health, 2015, 2, 257-268.	2.2	17
89	Individual and geographic variations in the propensity to travel by active modes in Vitoria-Gasteiz, Spain. Journal of Transport Geography, 2019, 76, 103-113.	5.0	17
90	Temporal stability of model parameters in crime rate analysis: AnÂempirical examination. Applied Geography, 2015, 58, 141-152.	3.7	16

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91	Comparison of thematic maps using symbolic entropy. International Journal of Geographical Information Science, 2012, 26, 413-439.	4.8	14
92	Social interactions in transportation: analyzing groups and spatialÂnetworks. Transportation, 2015, 42, 723-731.	4.0	14
93	Persistence of Crime Hot Spots: An Ordered Probit Analysis. Geographical Analysis, 2017, 49, 3-22.	3.5	14
94	Development of an indicator to assess the spatial fit of discrete choice models. Transportation Research Part B: Methodological, 2013, 56, 217-233.	5.9	13
95	Using Spatial Filters and Exploratory Data Analysis to Enhance Regression Models of Spatial Data. Geographical Analysis, 2019, 51, 314-338.	3.5	13
96	How do the perceptions of neighborhood conditions impact active transportation? A study in Rajshahi, Bangladesh. Transportation Research, Part D: Transport and Environment, 2020, 87, 102525.	6.8	13
97	A spatial modeling approach to estimating bike share traffic volume from GPS data. Sustainable Cities and Society, 2022, 76, 103401.	10.4	13
98	Examining equity in accessibility to bike share: A balanced floating catchment area approach. Transportation Research, Part D: Transport and Environment, 2022, 102, 103091.	6.8	13
99	Compliance potential mapping: a tool to assess potential contributions of walking towards physical activity guidelines. BMC Public Health, 2014, 14, 511.	2.9	12
100	Inducing non-orthogonal and non-linear decision boundaries in decision trees via interactive basis functions. Expert Systems With Applications, 2019, 122, 183-206.	7.6	12
101	Time, space, money, and social interaction: Using machine learning to classify people's mobility strategies through four key dimensions. Travel Behaviour & Society, 2020, 20, 1-11.	5.0	12
102	Changes in Trip-making Frequency by Mode during COVID-19. Findings, 0, , .	0.0	12
103	A Demographic Model for Small Area Population Projections: An Application to the Census Metropolitan Area of Hamilton in Ontario, Canada. Environment and Planning A, 2009, 41, 964-979.	3.6	11
104	Exploring resource allocation and alternate clinic accessibility landscapes for improved blood donor turnout. Applied Geography, 2013, 45, 89-97.	3.7	11
105	Toll roads vs. Public transportation: A study on the acceptance of congestion-calming measures in Madrid. Transportation Research, Part A: Policy and Practice, 2020, 142, 319-342.	4.2	11
106	Changes in accessibility to emergency and community food services during COVID-19 and implications for low income populations in Hamilton, Ontario. Social Science and Medicine, 2021, 291, 114442.	3.8	11
107	Spatial analysis of economic systems and land use change. Papers in Regional Science, 2009, 88, 251-258.	1.9	10
108	Urban Mobility and Social-Spatial Contact-Introduction. Environment and Planning A, 2012, 44, 1011-1015.	3.6	10

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109	Open spatial sciences: an introduction. Journal of Geographical Systems, 2021, 23, 467-476.	3.1	10
110	Reproducibility of Research During COVID‑19: Examining the Case of Population Density and the Basic Reproductive Rate from the Perspective of Spatial Analysis. Geographical Analysis, 2022, 54, 860-880.	3.5	10
111	Building obesity in Canada: understanding the individual- and neighbourhood-level determinants using a multi-level approach. Geospatial Health, 2014, 9, 45.	0.8	9
112	Exploring the determinants of older adults' susceptibility to pedestrians' incidents. Accident Analysis and Prevention, 2021, 155, 106100.	5.7	9
113	Using environmental audits and photo-journeys to compare objective attributes and bicyclists' perceptions of bicycle routes. Journal of Transport and Health, 2021, 22, 101092.	2.2	9
114	Anisotropic Variance Functions in Geographically Weighted Regression Models. Geographical Analysis, 2004, 36, 299-314.	3.5	9
115	Correlates of bicycling tripÂflows in Hamilton, Ontario: fastest, quietest, or balanced routes?. Transportation, 0, , 1.	4.0	8
116	Spatial statistics for urban analysis: A review of techniques with examples. Geo Journal, 2005, 61, 53.	3.1	8
117	Accessibility to primary care physicians: Comparing floating catchments with a utility-based approach. Journal of Transport Geography, 2022, 101, 103356.	5.0	8
118	Simulation Framework for Analysis of Elderly Mobility Policies. Transportation Research Record, 2008, 2078, 62-71.	1.9	7
119	Location-Aware Scheduling and Control of Linear Projects: Introducing Space-Time Float Prisms. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	7
120	Do drivers dream of walking? An investigation of travel mode dissonance from the perspective of affective values. Journal of Transport and Health, 2021, 20, 101015.	2.2	7
121	Testing for Spatial Independence Using Similarity Relations. Geographical Analysis, 2015, 47, 97-120.	3.5	6
122	Student perceptions of reflection and the acquisition of higher-order thinking skills in a university sustainability course. Journal of Geography in Higher Education, 2021, 45, 108-127.	2.6	6
123	Development of a New Framework to Guide, Assess, and Evaluate Student Reflections in a University Sustainability Course. Teaching and Learning Inquiry, 2019, 7, 55-77.	0.4	6
124	Nonstationary Spatial Interpolation Method for Urban Model Development. Transportation Research Record, 2006, 1977, 103-111.	1.9	6
125	Modeling isoexposure to transit users for market potential analysis. Transportation Research, Part A: Policy and Practice, 2012, 46, 1517-1527.	4.2	5
126	Transportation where people leave: An introduction. Advances in Transport Policy and Planning, 2018, , 1-14.	1.5	5

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127	Nonstationary Spatial Interpolation Method for Urban Model Development. Transportation Research Record, 2006, 1977, 103-111.	1.9	4
128	Mobility Without Accessibility: The Case of Car Use and Discretionary Activities. , 2011, , 89-105.		4
129	Spatial patterns of mortality in the United States: A spatial filtering approach. Insurance: Mathematics and Economics, 2020, 95, 28-38.	1.2	4
130	Topology, Dependency Tests and Estimation Bias in Network Autoregressive Models. Advances in Spatial Science, 2010, , 29-57.	0.6	4
131	The Accessibility Implications of a Pilot COVID-19 Vaccination Program in Hamilton, Ontario. Findings, 0, , .	0.0	3
132	A note on the SG(m) test. Journal of Geographical Systems, 2016, 18, 87-96.	3.1	2
133	A systematic assessment of the use of opponent variables, data subsetting and hierarchical specification in two-party crash severity analysis. Accident Analysis and Prevention, 2020, 144, 105666.	5.7	2
134	Spatio-Temporal Progress Estimation for Highway Construction. , 2013, , .		1
135	A Spatio-Temporal Analysis of the Environmental Correlates of COVID-19 Incidence in Spain. , 2021, 53, 397.		1
136	Micro-geography of segregation: evidence from historical US census data. , 2014, , 91-110.		1
137	Geographically-Weighted Regression. , 2009, , 75-81.		0
138	Spatial analysis in Canada: introduction. Canadian Geographer / Geographie Canadien, 2010, 54, 1-3.	1.5	0
139	Welcome to a New Editor-in-Chief. Journal of Geographical Systems, 2019, 21, 451-452.	3.1	0
140	Spatial Patterns of Mortality in the United States: A Spatial Filtering Approach. SSRN Electronic Journal, 0, , .	0.4	0
141	2020 JGS Best Paper Award and the Editors' Choice Paper Volume 23(1). Journal of Geographical Systems, 2021, 23, 1-6.	3.1	0
142	Local Weighting Matrices or the Necessity of Flexibility. Advances in Spatial Science, 2012, , 193-212.	0.6	0
143	Reliability of the Reflective Learning Framework for Assessing Higher-Order Thinking in Geography and Sustainability Courses. Journal of Geography, 2022, 121, 18-33.	1.5	0
144	2021 JGS best paper award and the editors' choice paper volume 24(1). Journal of Geographical Systems, 2022, 24, 1-4.	3.1	0