Isabelle Thomas

List of Publications by Year
in descending order

97 papers	3,912 citations	136740 32 h-index	133063 59 g-index
105 all docs	105 docs citations	105 times ranked	3496 citing authors

#	Article	IF	Citations
1	Exposure to particulate matter in traffic: A comparison of cyclists and car passengers. Atmospheric Environment, 2010, 44, 2263-2270.	1.9	333
2	Modelling a rail/road intermodal transportation system. Transportation Research, Part E: Logistics and Transportation Review, 2004, 40, 255-270.	3.7	237
3	The local spatial autocorrelation and the kernel method for identifying black zones. Accident Analysis and Prevention, 2003, 35, 991-1004.	3.0	178
4	Mapping accessibility in Belgium: a tool for land-use and transport planning?. Journal of Transport Geography, 2009, 17, 39-53.	2.3	157
5	The morphology of built-up landscapes in Wallonia (Belgium): A classification using fractal indices. Landscape and Urban Planning, 2008, 84, 99-115.	3.4	134
6	Predicting cycling accident risk in Brussels: A spatial caseâ€“control approach. Accident Analysis and Prevention, 2014, 62, 341-357.	3.0	119
7	A prospective cohort study on minor accidents involving commuter cyclists in Belgium. Accident Analysis and Prevention, 2012, 45, 683-693.	3.0	114
8	What determines carpooling to workplaces in Belgium: location, organisation, or promotion?. Journal of Transport Geography, 2012, 22, 77-86.	2.3	110
9	Mapping bicycle use and the risk of accidents for commuters who cycle to work in Belgium. Transport Policy, 2009, 16, 77-87.	3.4	102
10	Accidents on belgium's motorways: a network autocorrelation analysis. Journal of Transport Geography, 1998, 6, 23-31.	2.3	95
11	A Fractal Approach to Identifying Urban Boundaries. åŸŽå„è¾¾ç•Œè¯†åˆ«çš„å†½¢æ–¹æ••. Geographical Analysis, 2011, 43, 211-22	1.9	94
12	Bicycle sharing system â€˜successâ€™ determinants. Transportation Research, Part A: Policy and Practice, 2017, 100, 202-214.	2.0	94
13	Spatial data aggregation: Exploratory analysis of road accidents. Accident Analysis and Prevention, 1996, 28, 251-264.	3.0	84
14	Using Fractal Dimensions for Characterizing Intraâ€urban Diversity: The Example of Brussels. Geographical Analysis, 2003, 35, 310-328.	1.9	84
15	Cycle commuting in Belgium: Spatial determinants and â€˜re-cyclingâ€™ strategies. Transportation Research, Part A: Policy and Practice, 2011, 45, 118-137.	2.0	84
16	Understanding spatial concentrations of road accidents using frequent item sets. Accident Analysis and Prevention, 2005, 37, 787-799.	3.0	83
17	Residential Segregation and Unemployment: The Case of Brussels. Urban Studies, 2008, 45, 89-113.	2.2	83
18	Toward Conceptualizing Tripâ€Chaining Behavior: A Review. Geographical Analysis, 1987, 19, 1-17.	1.9	82

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19	Defining and characterizing urban boundaries: A fractal analysis of theoretical cities and Belgian cities. Computers, Environment and Urban Systems, 2013, 41, 234-248.	3.3	79
20	Bike-share rebalancing strategies, patterns, and purpose. Journal of Transport Geography, 2016, 55, 22-39.	2.3	74
21	Deprivation and mortality: the implications of spatial autocorrelation for health resources allocation. Social Science and Medicine, 2001, 53, 1711-1719.	1.8	72
22	Locating fire stations: An integrated approach for Belgium. Socio-Economic Planning Sciences, 2012, 46, 173-182.	2.5	69
23	Fractal dimension versus density of built-up surfaces in the periphery of Brussels. Papers in Regional Science, 2007, 86, 287-308.	1.0	67
24	Spatial clustering of events on a network. Journal of Transport Geography, 2010, 18, 411-418.	2.3	67
25	Commuting by bike in Belgium, the costs of minor accidents. Accident Analysis and Prevention, 2010, 42, 2149-2157.	3.0	59
26	Contextual factors and immigrantsâ€™ health status: Double jeopardy. Health and Place, 2008, 14, 678-692.	1.5	58
27	Residing in urban areas with higher green space is associated with lower mortality risk: A census-based cohort study with ten years of follow-up. Environment International, 2021, 148, 106365.	4.8	58
28	Regions and borders of mobile telephony inÂBelgium and inÂtheÂBrussels metropolitanÂzone. Brussels Studies, 0, , .	0.0	43
29	Clustering Patterns of Urban Built-up Areas with Curves of Fractal Scaling Behaviour. Environment and Planning B: Planning and Design, 2010, 37, 942-954.	1.7	41
30	Distance predicting functions and applied location-allocation models.. Journal of Geographical Systems, 2000, 2, 167-184.	1.9	40
31	Pour une localisation optimale des centres de transbordement intermodaux entre rÃ©seaux de transport: formulation et extensions. Canadian Geographer / Geographie Canadien, 2001, 45, 427-436.	1.0	38
32	Comparing the fractality of European urban neighbourhoods: do national contexts matter?. Journal of Geographical Systems, 2012, 14, 189-208.	1.9	38
33	On the mobility policies of companies: What are the good practices? The Belgian case. Transport Policy, 2012, 21, 10-19.	3.4	35
34	Where Alonso Meets Sierpinski: An Urban Economic Model of a Fractal Metropolitan Area. Environment and Planning A, 2004, 36, 1471-1498.	2.1	34
35	Measuring urban forms from inter-building distances: Combining MST graphs with a Local Index of Spatial Association. Landscape and Urban Planning, 2017, 163, 80-89.	3.4	34
36	A multi-period capacitated school location problem with modular equipment and closest assignment considerations. Journal of Geographical Systems, 2014, 16, 263-286.	1.9	28

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37	The spatial structure(s) of the Belgian housing stock. Journal of Housing and the Built Environment, 2008, 23, 173-198.	0.9	27
38	Exploring road mortality ratios in Europe: national versus regional realities. Journal of the Royal Statistical Society Series A: Statistics in Society, 2005, 168, 127-144.	0.6	25
39	Commuting in Belgian metropolitan areas: The power of the Alonso-Muth model. Journal of Transport and Land Use, 2010, 2, .	0.7	25
40	Network Autocorrelation. Geographical Analysis, 2009, 41, 436-443.	1.9	24
41	Revisiting the extension of the Brussels urban agglomerationÂ: new methods, new data â€¦ new resultsÂ?. Belgeo, 2012, , .	0.1	24
42	Spatial Analysis of Residential Land Prices in Belgium: Accessibility, Linguistic Border, and Environmental Amenities. Regional Studies, 2011, 45, 1253-1268.	2.5	22
43	Does country influence the health burden of informal care? An international comparison between Belgium and Great Britain. Social Science and Medicine, 2011, 73, 1123-1132.	1.8	22
44	Fractal Dimensions of the Built-up Footprint: Buildings versus Roads. Fractal Evidence from Antwerp (Belgium). Environment and Planning B: Planning and Design, 2013, 40, 310-329.	1.7	22
45	City delineation in European applications of LUTI models: review and tests. Transport Reviews, 2018, 38, 6-32.	4.7	22
46	Accessibility to freight transport networks in Belgium: a geographical approach. Tijdschrift Voor Economische En Sociale Geografie, 2003, 94, 424-438.	1.2	21
47	Morphological similarities between DBM and a microeconomic model of sprawl. Journal of Geographical Systems, 2011, 13, 31-48.	1.9	20
48	Self-assessed health of elderly people in Brussels: Does the built environment matter?. Health and Place, 2014, 27, 59-67.	1.5	20
49	Utilitarian Cycling in Belgium: A Cross-Sectional Study in a Sample of Regular Cyclists. Journal of Physical Activity and Health, 2014, 11, 884-894.	1.0	20
50	The urban form of Brussels from the street perspective: The role of vegetation in the definition of the urban fabric. Landscape and Urban Planning, 2021, 205, 103947.	3.4	20
51	The Effect of Spatial Structure onp-Median Results. Transportation Science, 1995, 29, 366-373.	2.6	19
52	Locating a Community Recycling Center within a Residential Area: A Belgian Case Study. Professional Geographer, 2002, 54, 67-82.	1.0	19
53	How to Incorporate the Spatial Dimension in Destination Choice Models: The Case of Antwerp. Transportation Planning and Technology, 2008, 31, 153-181.	0.9	18
54	Transportation Networks and the Location of Human Activities. Geographical Analysis, 1998, 30, 355-371.	1.9	18

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55	Delineation of cities based on scaling properties of urban patterns: a comparison of three methods. International Journal of Geographical Information Science, 2021, 35, 919-947.	2.2	18
56	Greener and larger neighbourhoods make cities more sustainable! A 2D urban economics perspective. Computers, Environment and Urban Systems, 2015, 54, 82-94.	3.3	16
57	Residential equilibrium in a multifractal metropolitan area. Annals of Regional Science, 2010, 45, 681-704.	1.0	15
58	Spatial issues on a hedonic estimation of rents in Brussels. , 2014, 25, 104-123.		14
59	Urban environment and mental health: the NAMED project, protocol for a mixed-method study. BMJ Open, 2020, 10, e031963.	0.8	13
60	Rail Commuting to Workplaces in Belgium: A Multilevel Approach. International Journal of Sustainable Transportation, 2012, 6, 67-87.	2.1	12
61	Are Agricultural and Developable Land Prices Governed by the Same Spatial Rules? The Case of Belgium. Canadian Journal of Agricultural Economics, 2013, 61, 439-463.	1.2	11
62	EMERGENCE OF LEAPFROGGING FROM RESIDENTIAL CHOICE WITH ENDOGENOUS GREEN SPACE: ANALYTICAL RESULTS. Journal of Regional Science, 2015, 55, 491-512.	2.1	9
63	Monitoring trucks to reveal Belgian geographical structures and dynamics: From GPS traces to spatial interactions. Journal of Transport Geography, 2021, 91, 102977.	2.3	9
64	Is there a link between fractal dimension and residential environment at a regional level?. CyberGeo, 0, , .	0.0	9
65	Belgium through the Lens of Rail Travel Requests: Does Geography Still Matter?. ISPRS International Journal of Geo-Information, 2016, 5, 216.	1.4	8
66	Detecting communities with the multi-scale Louvain method: robustness test on the metropolitan area of Brussels. Journal of Geographical Systems, 2018, 20, 363-386.	1.9	8
67	Identifier les zones noires d'un rÃ©seau routier par l'autocorrÃ©lation spatiale locale Analyses de sensibilitÃ© et aspects opÃ©rationnels. Revue Internationale De GÃ©omatique, 2002, 12, 245-261.	0.2	8
68	Migration and commuting interactions fields: a new geography with community detection algorithm?. Belgeo, 2017, , .	0.1	8
69	Geographies of asthma medication purchase for pre-schoolers in Belgium. Respiratory Research, 2019, 20, 90.	1.4	7
70	Morphologie du rÃ©seau de communication et localisations optimales d'activitÃ©s. Quelle mesure pour exprimer la forme d'un rÃ©seauÂ?. CyberGeo, 0, , .	0.0	7
71	Using matched areas to explore international differences in population health. Social Science and Medicine, 2011, 73, 1113-1122.	1.8	6
72	Forecasting jobs location choices by Discrete Choice Models: A sensitivity analysis to scale and implications for LUTI models. Region, 2015, 2, 67-93.	0.3	6

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73	RÃ©gions et frontiÃ¨res de tÃ©lÃ©phonie mobile enÂBelgique et dans lâ€™aire mÃ©tropolitaineÂbruxelloise. Brussels Studies, 0, , .	0.0	6
74	On the Morphology of a Growing City: A Heuristic Experiment Merging Static Economics with Dynamic Geography. PLoS ONE, 2015, 10, e0135871.	1.1	5
75	â€œLet the business cycle!â€•A spatial multilevel analysis of cycling to work. Belgeo, 2009, , 217-232.	0.1	5
76	Thematic cartography today: recalls and perspectives. CyberGeo, 0, , .	0.0	5
77	Bassins rÃ©sidentiels en BelgiqueÂ: deux mÃ©thodes, une rÃ©alitÃ©Â?. Espace Geographique, 2018, Tome 47, 35-50.	0.2	4
78	Comparing fractal indices of electric networks to roads and buildings: The case of Grenoble (France). Physica A: Statistical Mechanics and Its Applications, 2019, 531, 121774.	1.2	4
79	Spatio-temporalitÃ© des accidents de la route en pÃ©riphÃ©rie urbaine. L'exemple de Bruxelles. Recherche - Transports - Securite, 2004, 21, 35-46.	0.1	4
80	La dÃ©limitation des villes est-elle un prÃ©requis pour la modÃ©lisation urbaine ? Lâ€™exemple du prix du sol Ã Bruxelles. CyberGeo, 0, , .	0.0	4
81	Measuring the effect of node aggregation on community detection. EPJ Data Science, 2020, 9, .	1.5	4
82	Towards the simplification of location models for public facilities: The case of the postal service. Papers in Regional Science, 1984, 55, 47-58.	1.0	3
83	On High-Speed Connections and the Location of Activities. Environment and Planning A, 2000, 32, 2097-2112.	2.1	2
84	SPATIAL NESTED SCALES FOR ROAD ACCIDENTS IN THE PERIPHERY OF BRUSSELS. IATSS Research, 2005, 29, 66-78.	1.8	2
85	A Spatial Analysis of Residential Land Prices in Belgium: Accessibility, Linguistic Border and Environmental Amenities. SSRN Electronic Journal, 0, , .	0.4	2
86	Exploring the profession of mobility manager in Belgium and their impact on commuting. Transportation Research, Part A: Policy and Practice, 2013, 55, 46-55.	2.0	2
87	Cartographies des champs dâ€™interaction dans et autour de BruxellesÂ: navettes, dÃ©mÃ©nagements et appels tÃ©lÃ©phoniques. Brussels Studies, 0, , .	0.0	2
88	On the location of reported and unreported cycling accidents: A spatial network analysis for Brussels. CyberGeo, 0, , .	0.0	2
89	Urban polycentrismÂ: a measurable spatial realityÂ?. CyberGeo, 0, , .	0.0	2
90	Housing land transaction data and structural econometric estimation of preference parameters for urban economic simulation models. Data in Brief, 2015, 5, 447-452.	0.5	1

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91	Revisiting urban models with information and communication technology data? Some examples from Brussels. , 2019, , 186-202.		1
92	On the Survival of Butterflies in the Jungle of Urban Systems. Lecture Notes in Morphogenesis, 2020, , 151-167.	0.2	1
93	DelimitaciÃ³n y caracterizaciÃ³n morfomÃ©trica del Ã¡rea metropolitana de Valencia. CyberGeo, 0, , .	0.0	1
94	atlas.brussels, un outil de gÃ©ovisualisation de lâ€™extension et de la fragmentation mÃ©tropolitaine bruxelloise. Mappemonde, 2021, , .	0.1	0
95	Morphological Similarities between DBM and an Economic Geography Model of City Growth. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 417-428.	0.2	0
96	Incorporer lâ€™espace dans la modÃ©lisation du choix de destinationÂ: le cas de 4 villes flamandes. CyberGeo, 0, , .	0.0	0
97	Is Spatial Behaviour Service-Sensitive? An Empirical Test. , 1989, , 27-41.		0