

Michael Batty

List of Publications by Year in descending order

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308
papers

18,953
citations

10986

71
h-index

16183

124
g-index

331
all docs

331
docs citations

331
times ranked

11649
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart cities of the future. <i>European Physical Journal: Special Topics</i> , 2012, 214, 481-518.	2.6	1,348
2	The Size, Scale, and Shape of Cities. <i>Science</i> , 2008, 319, 769-771.	12.6	988
3	The New Science of Cities. , 2013, , .		856
4	Big data, smart cities and city planning. <i>Dialogues in Human Geography</i> , 2013, 3, 274-279.	1.6	784
5	Modeling urban dynamics through GIS-based cellular automata. <i>Computers, Environment and Urban Systems</i> , 1999, 23, 205-233.	7.1	510
6	From Cells to Cities. <i>Environment and Planning B: Planning and Design</i> , 1994, 21, S31-S48.	1.7	451
7	Detecting the dynamics of urban structure through spatial network analysis. <i>International Journal of Geographical Information Science</i> , 2014, 28, 2178-2199.	4.8	368
8	Laws of population growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18702-18707.	7.1	299
9	Structure of Urban Movements: Polycentric Activity and Entangled Hierarchical Flows. <i>PLoS ONE</i> , 2011, 6, e15923.	2.5	297
10	Mining bicycle sharing data for generating insights into sustainable transport systems. <i>Journal of Transport Geography</i> , 2014, 34, 262-273.	5.0	280
11	Key challenges in agent-based modelling for geo-spatial simulation. <i>Computers, Environment and Urban Systems</i> , 2008, 32, 417-430.	7.1	269
12	Constructing cities, deconstructing scaling laws. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20140745.	3.4	254
13	Building a science of cities. <i>Cities</i> , 2012, 29, S9-S16.	5.6	247
14	Exploring Isovist Fields: Space and Shape in Architectural and Urban Morphology. <i>Environment and Planning B: Planning and Design</i> , 2001, 28, 123-150.	1.7	246
15	Rank clocks. <i>Nature</i> , 2006, 444, 592-596.	27.8	209
16	Modeling urban growth patterns with correlated percolation. <i>Physical Review E</i> , 1998, 58, 7054-7062.	2.1	205
17	Digital twins. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2018, 45, 817-820.	2.0	205
18	Spatial Entropy. <i>Geographical Analysis</i> , 1974, 6, 1-31.	3.5	178

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19	Smart Cities, Big Data. <i>Environment and Planning B: Planning and Design</i> , 2012, 39, 191-193.	1.7	178
20	Urban Growth and Form: Scaling, Fractal Geometry, and Diffusion-Limited Aggregation. <i>Environment and Planning A</i> , 1989, 21, 1447-1472.	3.6	176
21	Spatial multi-objective land use optimization: extensions to the non-dominated sorting genetic algorithm-II. <i>International Journal of Geographical Information Science</i> , 2011, 25, 1949-1969.	4.8	176
22	Modelling and prediction in a complex world. <i>Futures</i> , 2005, 37, 745-766.	2.5	174
23	Stochastic cellular automata modeling of urban land use dynamics: empirical development and estimation. <i>Computers, Environment and Urban Systems</i> , 2003, 27, 481-509.	7.1	173
24	Urban Systems as Cellular Automata. <i>Environment and Planning B: Planning and Design</i> , 1997, 24, 159-164.	1.7	170
25	Cellular Automata and Urban Form: A Primer. <i>Journal of the American Planning Association</i> , 1997, 63, 266-274.	1.7	169
26	Locational Models, Geographic Information and Planning Support Systems. <i>Journal of Planning Education and Research</i> , 1993, 12, 184-198.	2.7	161
27	Virtual geography. <i>Futures</i> , 1997, 29, 337-352.	2.5	158
28	Gravity versus radiation models: On the importance of scale and heterogeneity in commuting flows. <i>Physical Review E</i> , 2013, 88, 022812.	2.1	154
29	Random planar graphs and the London street network. <i>European Physical Journal B</i> , 2009, 71, 259-271.	1.5	149
30	Reflections and speculations on the progress in Geographic Information Systems (GIS): a geographic perspective. <i>International Journal of Geographical Information Science</i> , 2019, 33, 346-367.	4.8	149
31	Urban Evolution on the Desktop: Simulation with the Use of Extended Cellular Automata. <i>Environment and Planning A</i> , 1998, 30, 1943-1967.	3.6	148
32	The discrete dynamics of small-scale spatial events: agent-based models of mobility in carnivals and street parades. <i>International Journal of Geographical Information Science</i> , 2003, 17, 673-697.	4.8	148
33	Agents, Cells, and Cities: New Representational Models for Simulating Multiscale Urban Dynamics. <i>Environment and Planning A</i> , 2005, 37, 1373-1394.	3.6	148
34	Possible urban automata. <i>Environment and Planning B: Planning and Design</i> , 1997, 24, 175-192.	1.7	147
35	Form Follows Function: Reformulating Urban Population Density Functions. <i>Urban Studies</i> , 1992, 29, 1043-1069.	3.7	141
36	Mapping for the Masses. <i>Social Science Computer Review</i> , 2009, 27, 524-538.	4.2	135

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37	The Calibration of Gravity, Entropy, and Related Models of Spatial Interaction. <i>Environment and Planning A</i> , 1972, 4, 205-233.	3.6	128
38	Variability in Regularity: Mining Temporal Mobility Patterns in London, Singapore and Beijing Using Smart-Card Data. <i>PLoS ONE</i> , 2016, 11, e0149222.	2.5	127
39	Smart cities, big data and urban policy: Towards urban analytics for the long run. <i>Cities</i> , 2021, 109, 102992.	5.6	123
40	Simulating Emergent Urban Form Using Agent-Based Modeling: Desakota in the Suzhou-Wuxian Region in China. <i>Annals of the American Association of Geographers</i> , 2007, 97, 477-495.	3.0	117
41	Polynucleated Urban Landscapes. <i>Urban Studies</i> , 2001, 38, 635-655.	3.7	116
42	Entropy in Spatial Aggregation. <i>Geographical Analysis</i> , 1976, 8, 1-21.	3.5	114
43	There is More than a Power Law in Zipf. <i>Scientific Reports</i> , 2012, 2, 812.	3.3	112
44	Diverse cities or the systematic paradox of Urban Scaling Laws. <i>Computers, Environment and Urban Systems</i> , 2017, 63, 80-94.	7.1	112
45	Map mashups, Web 2.0 and the GIS revolution. <i>Annals of GIS</i> , 2010, 16, 1-13.	3.1	111
46	Preliminary Evidence for a Theory of the Fractal City. <i>Environment and Planning A</i> , 1996, 28, 1745-1762.	3.6	110
47	Accessibility: In Search of a Unified Theory. <i>Environment and Planning B: Planning and Design</i> , 2009, 36, 191-194.	1.7	109
48	GIS and remote sensing as tools for the simulation of urban land-use change. <i>International Journal of Remote Sensing</i> , 2005, 26, 759-774.	2.9	108
49	A long-time limit for world subway networks. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2540-2550.	3.4	108
50	Experimental Evidence on the Effects of Financial Education on Elementary School Students' Knowledge, Behavior, and Attitudes. <i>Journal of Consumer Affairs</i> , 2015, 49, 69-96.	2.3	108
51	A Chronicle of Scientific Planning: The Anglo-American Modeling Experience. <i>Journal of the American Planning Association</i> , 1994, 60, 7-16.	1.7	107
52	Agent-Based Pedestrian Modeling. <i>Environment and Planning B: Planning and Design</i> , 2001, 28, 321-326.	1.7	105
53	Crowd and environmental management during mass gatherings. <i>Lancet Infectious Diseases</i> , The, 2012, 12, 150-156.	9.1	105
54	The Fractal Simulation of Urban Structure. <i>Environment and Planning A</i> , 1986, 18, 1143-1179.	3.6	103

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55	Revealing centrality in the spatial structure of cities from human activity patterns. <i>Urban Studies</i> , 2017, 54, 437-455.	3.7	101
56	Measuring variability of mobility patterns from multiday smart-card data. <i>Journal of Computational Science</i> , 2015, 9, 125-130.	2.9	99
57	Cities as Complex Systems: Scaling, Interaction, Networks, Dynamics and Urban Morphologies. , 2009, , 1041-1071.		98
58	A Theory of City Size. <i>Science</i> , 2013, 340, 1418-1419.	12.6	97
59	Diversifying the use of tuna to improve food security and public health in Pacific Island countries and territories. <i>Marine Policy</i> , 2015, 51, 584-591.	3.2	97
60	The comfort, energy and health implications of London's urban heat island. <i>Building Services Engineering Research and Technology</i> , 2011, 32, 35-52.	1.8	93
61	Inferring building functions from a probabilistic model using public transportation data. <i>Computers, Environment and Urban Systems</i> , 2014, 48, 124-137.	7.1	92
62	Real-time GIS for smart cities. <i>International Journal of Geographical Information Science</i> , 2020, 34, 311-324.	4.8	90
63	RANK CLOCKS AND PLANT COMMUNITY DYNAMICS. <i>Ecology</i> , 2008, 89, 3534-3541.	3.2	89
64	The computable city. <i>International Planning Studies</i> , 1997, 2, 155-173.	2.0	87
65	The Coronavirus crisis: What will the post-pandemic city look like?. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2020, 47, 547-552.	2.0	87
66	Modelling Cities as Dynamic Systems. <i>Nature</i> , 1971, 231, 425-428.	27.8	84
67	Entropy, complexity, and spatial information. <i>Journal of Geographical Systems</i> , 2014, 16, 363-385.	3.1	84
68	Cities and regions in Britain through hierarchical percolation. <i>Royal Society Open Science</i> , 2016, 3, 150691.	2.4	84
69	Multifractal to monofractal evolution of the London street network. <i>Physical Review E</i> , 2015, 92, 062130.	2.1	82
70	NeoGeography and Web 2.0: concepts, tools and applications. <i>Journal of Location Based Services</i> , 2009, 3, 118-145.	1.9	80
71	Limited Urban Growth: London's Street Network Dynamics since the 18th Century. <i>PLoS ONE</i> , 2013, 8, e69469.	2.5	80
72	Research Article. Modelling inside GIS: Part 1. Model structures, exploratory spatial data analysis and aggregation. <i>International Journal of Geographical Information Science</i> , 1994, 8, 291-307.	4.8	79

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73	New ways of looking at cities. <i>Nature</i> , 1995, 377, 574-574.	27.8	79
74	Centenary paper: <i>The evolution of cities: Geddes, Abercrombie and the new physicalism</i>. <i>Town Planning Review</i> , 2009, 80, 551-574.	1.2	78
75	Modeling urban growth with GIS based cellular automata and least squares SVM rules: a case study in Qingpuâ€“Songjiang area of Shanghai, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 1387-1400.	4.0	74
76	Safety in Numbers? Modelling Crowds and Designing Control for the Notting Hill Carnival. <i>Urban Studies</i> , 2003, 40, 1573-1590.	3.7	73
77	Self-organized criticality and urban development. <i>Discrete Dynamics in Nature and Society</i> , 1999, 3, 109-124.	0.9	72
78	Data-driven urban management: Mapping the landscape. <i>Journal of Urban Management</i> , 2020, 9, 140-150.	4.5	72
79	Scaling and allometry in the building geometries of Greater London. <i>European Physical Journal B</i> , 2008, 63, 303-314.	1.5	69
80	Space, Scale, and Scaling in Entropy Maximizing. æœĈâ\$ç†µă,çš,,ç©°é—ĩĈă°ă° ă,žæ†ă° . <i>Geographical Analysis</i> , 2010, 42, 385-421.	1.5	69
81	Morphology from Imagery: Detecting and Measuring the Density of Urban Land Use. <i>Environment and Planning A</i> , 1995, 27, 759-780.	3.6	66
82	The Size, Shape and Dimension of Urban Settlements. <i>Transactions of the Institute of British Geographers</i> , 1991, 16, 75.	2.9	65
83	Empty buildings, shrinking cities and ghost towns. <i>Environment and Planning B: Planning and Design</i> , 2016, 43, 3-6.	1.7	65
84	The Morphology of Urban Land Use. <i>Environment and Planning B: Planning and Design</i> , 1988, 15, 461-488.	1.7	64
85	The Geography of Cyberspace. <i>Environment and Planning B: Planning and Design</i> , 1993, 20, 615-616.	1.7	64
86	Artificial intelligence and smart cities. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2018, 45, 3-6.	2.0	64
87	Cities as Fractals: Simulating Growth and Form. , 1991, , 43-69.		63
88	The Automatic Definition and Generation of Axial Lines and Axial Maps. <i>Environment and Planning B: Planning and Design</i> , 2004, 31, 615-640.	1.7	61
89	Evolving social influence in large populations. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 537-546.	1.4	61
90	Fractal-based description of urban form. <i>Environment and Planning B: Planning and Design</i> , 1987, 14, 123-134.	1.7	60

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91	Generating Urban Forms from Diffusive Growth. <i>Environment and Planning A</i> , 1991, 23, 511-544.	3.6	60
92	Predicting where we walk. <i>Nature</i> , 1997, 388, 19-20.	27.8	60
93	The electronic frontier. <i>Futures</i> , 1994, 26, 699-712.	2.5	59
94	Recent Developments in Land-Use Modelling: a Review of British Research. <i>Urban Studies</i> , 1972, 9, 151-177.	3.7	58
95	Diffusion-limited aggregation and the fractal nature of urban growth. <i>Papers in Regional Science</i> , 1989, 67, 55-69.	1.9	58
96	The Geography of Scientific Citation. <i>Environment and Planning A</i> , 2003, 35, 761-765.	3.6	58
97	Exploring the evolution of London's street network in the information space: A dual approach. <i>Physical Review E</i> , 2014, 89, 012805.	2.1	57
98	Virtual Environments Begin to Embrace Process-based Geographic Analysis. <i>Transactions in GIS</i> , 2015, 19, 493-498.	2.3	56
99	Representing Multifunctional Cities: Density and Diversity in Space and Time. <i>Built Environment</i> , 2004, 30, 324-337.	0.8	55
100	Spatiotemporal variation in travel regularity through transit user profiling. <i>Transportation</i> , 2018, 45, 703-732.	4.0	54
101	Urban analytics defined. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2019, 46, 403-405.	2.0	52
102	Do Green Belts Change the Shape of Urban Areas? A Preliminary Analysis of the Settlement Geography of South East England. <i>Regional Studies</i> , 1992, 26, 437-452.	4.4	51
103	On the problem of boundaries and scaling for urban street networks. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150763.	3.4	51
104	On the Fractal Measurement of Geographical Boundaries. <i>Geographical Analysis</i> , 1989, 21, 47-67.	3.5	50
105	Exploring the Historical Determinants of Urban Growth Patterns through Cellular Automata. <i>Transactions in GIS</i> , 2011, 15, 253-271.	2.3	50
106	Fifty Years of Urban Modeling: Macro-Statics to Micro-Dynamics. , 2008, , 1-20.		49
107	Mystery Of The Chagemaster: Examining The Role Of Hospital List Prices In What Patients Actually Pay. <i>Health Affairs</i> , 2017, 36, 689-696.	5.2	48
108	Urban modeling in computer-graphic and geographic information system environments. <i>Environment and Planning B: Planning and Design</i> , 1992, 19, 663-688.	1.7	46

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109	Modelling inside GIS: Part 2. Selecting and calibrating urban models using ARC-INFO. <i>International Journal of Geographical Information Science</i> , 1994, 8, 451-470.	4.8	46
110	The Structure and Form of Urban Settlements. <i>Remote Sensing and Digital Image Processing</i> , 2010, , 13-31.	0.7	46
111	Fractal measurement and line generalization. <i>Computers and Geosciences</i> , 1989, 15, 167-183.	4.2	44
112	Hierarchy in Cities and City Systems. , 2006, , 143-168.		44
113	The Origins of Complexity Theory in Cities and Planning. , 2012, , 21-45.		44
114	Defining Geodesign (= GIS + Design?). <i>Environment and Planning B: Planning and Design</i> , 2013, 40, 1-2.	1.7	43
115	Modelling urban change with cellular automata: Contemporary issues and future research directions. <i>Progress in Human Geography</i> , 2021, 45, 3-24.	5.6	43
116	Assembling Sustainable Smart City Transitions: An Interdisciplinary Theoretical Perspective. <i>Journal of Urban Technology</i> , 2021, 28, 1-27.	4.7	40
117	Future Developments in Geographical Agent-Based Models: Challenges and Opportunities. <i>Geographical Analysis</i> , 2021, 53, 76-91.	3.5	40
118	Assessment of climate change mitigation and adaptation in cities. <i>Proceedings of the Institution of Civil Engineers: Urban Design and Planning</i> , 2011, 164, 75-84.	0.7	39
119	Using mobility data as proxy for measuring urban vitality. <i>Journal of Spatial Information Science</i> , 2018, , ,	1.2	37
120	Thinking about Cities as Spatial Events. <i>Environment and Planning B: Planning and Design</i> , 2002, 29, 1-2.	1.7	35
121	Building the virtual city: Public participation through e-democracy. <i>Knowledge, Technology and Policy: the International Journal of Knowledge Transfer and Utilization</i> , 2005, 18, 62-85.	0.5	35
122	Defining City Size. <i>Environment and Planning B: Planning and Design</i> , 2011, 38, 753-756.	1.7	35
123	The Pulse of the City. <i>Environment and Planning B: Planning and Design</i> , 2010, 37, 575-577.	1.7	33
124	Measuring accessibility using gravity and radiation models. <i>Royal Society Open Science</i> , 2018, 5, 171668.	2.4	33
125	Defining urban clusters to detect agglomeration economies. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2019, 46, 1611-1626.	2.0	33
126	Wall area, volume and plan depth in the building stock. <i>Building Research and Information</i> , 2009, 37, 455-467.	3.9	32

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127	Can it Happen Again? Planning Support, Lee's Requiem and the Rise of the Smart Cities Movement. <i>Environment and Planning B: Planning and Design</i> , 2014, 41, 388-391.	1.7	32
128	Thinking organic, acting civic: The paradox of planning for Cities in Evolution. <i>Landscape and Urban Planning</i> , 2017, 166, 4-14.	7.5	32
129	Cities as Flows, Cities of Flows. <i>Environment and Planning B: Planning and Design</i> , 2011, 38, 195-196.	1.7	29
130	A perspective on city dashboards. <i>Regional Studies, Regional Science</i> , 2015, 2, 29-32.	1.2	28
131	A multi-scale urban integrated assessment framework for climate change studies: A flooding application. <i>Computers, Environment and Urban Systems</i> , 2019, 75, 229-243.	7.1	28
132	Inequalities in transit accessibility: Contributions from a comparative study between Global South and North metropolitan regions. <i>Cities</i> , 2021, 109, 103016.	5.6	27
133	The New Urban Geography of the Third Dimension. <i>Environment and Planning B: Planning and Design</i> , 2000, 27, 483-484.	1.7	26
134	Evolution and entropy in the organization of urban street patterns. <i>Annals of GIS</i> , 2013, 19, 1-16.	3.1	26
135	Representing and Visualizing Physical, Virtual and Hybrid Information Spaces. <i>Advances in Spatial Science</i> , 2000, , 133-146.	0.6	25
136	Cities as Small Worlds. <i>Environment and Planning B: Planning and Design</i> , 2001, 28, 637-638.	1.7	24
137	Urban Simulacra: London. <i>Architectural Design</i> , 2005, 75, 42-47.	0.1	24
138	SIMULACRA: Fast Land-Useâ€”Transportation Models for the Rapid Assessment of Urban Futures. <i>Environment and Planning B: Planning and Design</i> , 2013, 40, 987-1002.	1.7	23
139	Urbanization and economic complexity. <i>Scientific Reports</i> , 2021, 11, 3952.	3.3	23
140	Model cities. <i>Town Planning Review</i> , 2007, 78, 125-151.	1.2	22
141	Finding Pearls in London's Oysters. <i>Built Environment</i> , 2016, 42, 365-381.	0.8	22
142	Urban scaling laws. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2019, 46, 1605-1610.	2.0	22
143	Airbnb and its potential impact on the London housing market. <i>Urban Studies</i> , 2022, 59, 197-221.	3.7	21
144	Resilient Cities, Networks, and Disruption. <i>Environment and Planning B: Planning and Design</i> , 2013, 40, 571-573.	1.7	20

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145	Less is More, More is Different: Complexity, Morphology, Cities, and Emergence. <i>Environment and Planning B: Planning and Design</i> , 2000, 27, 167-168.	1.7	19
146	Dissecting the streams of planning history: technology versus policy through models. <i>Environment and Planning B: Planning and Design</i> , 2004, 31, 326-330.	1.7	19
147	A dynamic microsimulation model for epidemics. <i>Social Science and Medicine</i> , 2021, 291, 114461.	3.8	19
148	Models in planning: technological imperatives and changing roles. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2001, 3, 252-266.	2.8	18
149	The Emergence of Urban Land Use Patterns Driven by Dispersion and Aggregation Mechanisms. <i>PLoS ONE</i> , 2013, 8, e80309.	2.5	18
150	A Generic Framework for Computational Spatial Modelling. , 2012, , 19-50.		18
151	3-D GIS: Virtual London and beyond. <i>CyberGeo</i> , 0, , .	0.0	18
152	Urban Density and Entropy Functions. <i>Journal of Cybernetics</i> , 1974, 4, 41-55.	0.3	17
153	Visualizing aggregate movement in cities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170236.	4.0	17
154	Design and construction of a subregional land use model. <i>Socio-Economic Planning Sciences</i> , 1971, 5, 97-124.	5.0	16
155	Visualisation Tools for Understanding Big Data. <i>Environment and Planning B: Planning and Design</i> , 2012, 39, 413-415.	1.7	16
156	A new framework for very large-scale urban modelling. <i>Urban Studies</i> , 2021, 58, 3071-3094.	3.7	16
157	Urban Regeneration as Self-Organisation. <i>Architectural Design</i> , 2012, 82, 54-59.	0.1	15
158	How disruptive is the smart cities movement?. <i>Environment and Planning B: Planning and Design</i> , 2016, 43, 441-443.	1.7	15
159	Models and Projections of the Space Economy. A sub-regional study in north west England. <i>Town Planning Review</i> , 1970, 41, 121.	1.2	14
160	Spatial system design and fast calibration of activity interaction-allocation models. <i>Regional Studies</i> , 1973, 7, 351-366.	4.4	14
161	The creative destruction of cities. <i>Environment and Planning B: Planning and Design</i> , 2007, 34, 2-5.	1.7	14
162	Modeling and Simulation in Geographic Information Science: Integrated Models and Grand Challenges. <i>Procedia, Social and Behavioral Sciences</i> , 2011, 21, 10-17.	0.5	14

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163	The Future Cities Agenda. <i>Environment and Planning B: Planning and Design</i> , 2013, 40, 191-194.	1.7	14
164	An overview of city analytics. <i>Royal Society Open Science</i> , 2017, 4, 161063.	2.4	14
165	Quantifying Retail Agglomeration using Diverse Spatial Data. <i>Scientific Reports</i> , 2017, 7, 5451.	3.3	14
166	Contradictions and Conceptions of the Digital City. <i>Environment and Planning B: Planning and Design</i> , 2001, 28, 479-480.	1.7	13
167	A Conjecture on the Use of Shannon's Formula for Measuring Spatial Information. <i>Geographical Analysis</i> , 1979, 11, 304-310.	3.5	13
168	Experiential financial education: A field study of my classroom economy in elementary schools. <i>Economics of Education Review</i> , 2020, 78, 102014.	1.4	13
169	Evidence for localization and urbanization economies in urban scaling. <i>Royal Society Open Science</i> , 2020, 7, 191638.	2.4	13
170	A strategy for generating and testing models of migration and urban growth. <i>Regional Studies</i> , 1983, 17, 223-236.	4.4	12
171	Whither Network Science?. <i>Environment and Planning B: Planning and Design</i> , 2008, 35, 569-571.	1.7	12
172	Transportation in Agent-Based Urban Modelling. <i>Lecture Notes in Computer Science</i> , 2017, , 129-148.	1.3	12
173	Models Again: Their Role in Planning and Prediction. <i>Environment and Planning B: Planning and Design</i> , 2015, 42, 191-194.	1.7	11
174	Delineating the perceived functional regions of London from commuting flows. <i>Environment and Planning A</i> , 2019, 51, 547-550.	3.6	11
175	60GHz Radios: Enabling Next-Generation Wireless Applications. , 2005, , .		10
176	Defining Density. <i>Environment and Planning B: Planning and Design</i> , 2009, 36, 571-572.	1.7	10
177	Cost, Accessibility, and Weighted Entropy. <i>Geographical Analysis</i> , 1983, 15, 256-267.	3.5	10
178	Financial Incentives, Hospital Care, and Health Outcomes: Evidence from Fair Pricing Laws. <i>American Economic Journal: Economic Policy</i> , 2017, 9, 28-56.	3.1	10
179	Teaching spatial modelling using interacting computers and interactive computer graphics. <i>Journal of Geography in Higher Education</i> , 1985, 9, 25-36.	2.6	9
180	Time and space. <i>Futures</i> , 1997, 29, 277-289.	2.5	9

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181	The geography of scientific productivity: scaling in US computer science. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006, 2006, P10012-P10012.	2.3	9
182	Generative Social Science: A Challenge. <i>Environment and Planning B: Planning and Design</i> , 2008, 35, 191-194.	1.7	9
183	Visualizing space-time dynamics in scaling systems. <i>Complexity</i> , 2010, 16, 51-63.	1.6	9
184	City Shape and the Fractality of Street Patterns. <i>Quaestiones Geographicae</i> , 2012, 31, 29-37.	0.6	9
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