

# Mark Birkin

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

639  
citations

623734

14  
h-index

610901

24  
g-index

47  
all docs

47  
docs citations

47  
times ranked

591  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Generation of Individual and Household Incomes at the Small Area Level using Synthesis. <i>Regional Studies</i> , 1989, 23, 535-548.	4.4	66
2	The emerging geography of e-commerce in British retailing. <i>Regional Studies, Regional Science</i> , 2015, 2, 371-391.	1.2	58
3	From Big Noise to Big Data: Toward the Verification of Large Data sets for Understanding Regional Retail Flows. <i>Geographical Analysis</i> , 2016, 48, 59-81.	3.5	54
4	Probabilistic spatial risk assessment of heat impacts and adaptations for London. <i>Climatic Change</i> , 2014, 124, 105-117.	3.6	49
5	Refining and Operationalizing Entropy-Maximizing Models for Business Applications. <i>Analysis</i> , 2010, 42, 422-445.	3.5	45
6	Evaluating the Performance of Iterative Proportional Fitting for Spatial Microsimulation: New Tests for an Established Technique. <i>Jasss</i> , 2015, 18, .	1.8	29
7	Assessing the Long-Term Performance of Cross-Sectoral Strategies for National Infrastructure. <i>Journal of Infrastructure Systems</i> , 2014, 20, 04014014.	1.8	28
8	Can big data solve a big problem? Reporting the obesity data landscape in line with the Foresight obesity system map. <i>International Journal of Obesity</i> , 2018, 42, 1963-1976.	3.4	27
9	GIS, Geodemographics, and Spatial Modeling in the U.K. Financial Service Industry. <i>Journal of Housing Research</i> , 1998, 9, 87-111.	0.7	24
10	The enhancement of spatial microsimulation models using geodemographics. <i>Annals of Regional Science</i> , 2012, 49, 515-532.	2.1	23
11	Elements of a computational infrastructure for social simulation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 3797-3812.	3.4	19
12	Identifying Methods for Monitoring Foodborne Illness: Review of Existing Public Health Surveillance Techniques. <i>JMIR Public Health and Surveillance</i> , 2018, 4, e57.	2.6	19
13	A dynamic microsimulation model for epidemics. <i>Social Science and Medicine</i> , 2021, 291, 114461.	3.8	19
14	Using Spatial Microsimulation to Model Social and Spatial Inequalities in Educational Attainment. <i>Applied Spatial Analysis and Policy</i> , 2013, 6, 1-23.	2.0	16
15	Dietary Patterns Derived from UK Supermarket Transaction Data with Nutrient and Socioeconomic Profiles. <i>Nutrients</i> , 2021, 13, 1481.	4.1	16
16	Extending Spatial Interaction Models with Agents for Understanding Relationships in a Dynamic Retail Market. <i>Urban Studies Research</i> , 2011, 2011, 1-12.	0.6	13
17	Understanding Barriers to Novel Data Linkages: Topic Modeling of the Results of the LifeInfo Survey. <i>Journal of Medical Internet Research</i> , 2021, 23, e24236.	4.3	12
18	Developing an Individual-level Geodemographic Classification. <i>Applied Spatial Analysis and Policy</i> , 2018, 11, 417-437.	2.0	11

#	ARTICLE	IF	CITATIONS
19	Local level estimates of food, drink and tobacco expenditure for Great Britain. <i>Scientific Data</i> , 2019, 6, 56.	5.3	11
20	A review of two alternative retail impact assessment techniques: the case of Silverburn in Scotland. <i>Town Planning Review</i> , 2012, 83, 233-260.	1.2	10
21	An Examination of Personal Mobility Patterns in Space and Time Using Twitter. <i>International Journal of Agricultural and Environmental Information Systems</i> , 2014, 5, 55-72.	2.0	10
22	Calibration of a spatial simulation model with volunteered geographical information. <i>International Journal of Geographical Information Science</i> , 2011, 25, 1221-1239.	4.8	9
23	Sub regional estimates of morbidities in the English elderly population. <i>Health and Place</i> , 2014, 27, 176-185.	3.3	9
24	Incorporating E-commerce into Retail Location Models. <i>Geographical Analysis</i> , 2022, 54, 274-293.	3.5	9
25	Clustering Accelerometer Activity Patterns from the UK Biobank Cohort. <i>Sensors</i> , 2021, 21, 8220.	3.8	8
26	Spatial Interaction Models: from Numerical Experiments to Commercial Applications. <i>Applied Spatial Analysis and Policy</i> , 2018, 11, 713-729.	2.0	5
27	Evidence from big data in obesity research: international case studies. <i>International Journal of Obesity</i> , 2020, 44, 1028-1040.	3.4	5
28	Spatial microsimulation modeling for residential energy demand of England in an uncertain future. <i>Geo-Spatial Information Science</i> , 2014, 17, 153-169.	5.3	4
29	Geodemographic Patterns of Meat Expenditure in Great Britain. <i>Applied Spatial Analysis and Policy</i> , 2021, 14, 563-590.	2.0	4
30	Predicting Food Safety Compliance for Informed Food Outlet Inspections: A Machine Learning Approach. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12635.	2.6	4
31	Editorial: The Case for ASAP. <i>Applied Spatial Analysis and Policy</i> , 2008, 1, 1-4.	2.0	3
32	The ESRC Strategic Network for Obesity: tackling obesity with big data. <i>International Journal of Obesity</i> , 2018, 42, 1948-1950.	3.4	3
33	Food safety vulnerability: Neighbourhood determinants of non-compliant establishments in England and Wales. <i>Health and Place</i> , 2020, 63, 102325.	3.3	3
34	Identifying the effect of retail brands on private residential rental prices in Great Britain. <i>Journal of Housing and the Built Environment</i> , 2022, 37, 1489-1509.	1.8	3
35	Using Spatial Models to Solve Difficult Retail Location Problems. , 2006, , 35-54.		2
36	Moses: An Innovative Way to Model Heterogeneity in Complex Social Systems. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
37	Creating a long-term future for big data in obesity research. International Journal of Obesity, 2019, 43, 2587-2592.	3.4	2
38	Can a data driven obesity classification system identify those at risk of severe COVID-19 in the UK Biobank cohort study?. International Journal of Obesity, 2021, 45, 2281-2285.	3.4	2
39	Moses: Planning for the Next Generation. International Review for Spatial Planning and Sustainable Development, 2013, 1, 17-28.	1.1	1
40	Applied spatial modelling in the twenty-first century: the Wilson legacy. Looking back and looking forward. Interdisciplinary Science Reviews, 2019, 44, 286-300.	1.4	1
41	A foresight whole systems obesity classification for the English UK biobank cohort. BMC Public Health, 2022, 22, 349.	2.9	1
42	Towards effective spatial decision support systems for the planning of training provision. Journal of Education and Work, 1992, 5, 79-91.	0.6	0
43	A dynamic spatial model for demographic planning. , 2011, , .		0
44	Local and Application-Specific Geodemographics for Data-Led Urban Decision Making. Sustainability, 2021, 13, 4873.	3.2	0