Peter Congdon

List of Publications by Year
in descending order

150 papers	3,271 citations	270111 25 h-index	286692 43 g-index
175 all docs	175 docs citations	175 times ranked	3555 citing authors

#	Article	IF	Citations
1	A spatio-temporal autoregressive model for monitoring and predicting COVID infection rates. Journal of Geographical Systems, 2022, 24, 583-610.	1.9	2
2	A Model for Highly Fluctuating Spatio-Temporal Infection Data, with Applications to the COVID Epidemic. International Journal of Environmental Research and Public Health, 2022, 19, 6669.	1.2	2
3	Mid-Epidemic Forecasts of COVID-19 Cases and Deaths: A Bivariate Model Applied to the UK. Interdisciplinary Perspectives on Infectious Diseases, 2021, 2021, 1-15.	0.6	4
4	Trajectories in mental health and socio-spatial conditions in a time of economic recovery and austerity: A longitudinal study in England 2011â€"17. Social Science and Medicine, 2021, 270, 113654.	1.8	9
5	Bayesian modelling for spatially misaligned health areal data: A multiple membership approach. Journal of the Royal Statistical Society Series C: Applied Statistics, 2021, 70, 645-666.	0.5	3
6	COVID-19 Mortality in English Neighborhoods: The Relative Role of Socioeconomic and Environmental Factors. J, 2021, 4, 131-146.	0.6	4
7	Geographical Aspects of Recent Trends in Drug-Related Deaths, with a Focus on Intra-National Contextual Variation. International Journal of Environmental Research and Public Health, 2020, 17, 8081.	1.2	9
8	Modelling spatially varying coefficients via sparsity priors. Model Assisted Statistics and Applications, 2020, 15, 99-109.	0.2	0
9	A diabetes risk index for small areas in England. Health and Place, 2020, 63, 102340.	1.5	5
10	Adverse conditions for wellbeing at the neighbourhood scale in England: Potential and challenges for operationalising indicators relevant to wellbeing in and of places. Wellbeing, Space and Society, 2020, 1, 100009.	0.9	5
11	Disease mapping models for data with weakÂspatial dependence or spatial discontinuities. Epidemiologic Methods, 2020, 9, .	0.8	1
12	The Prevalence and Forecast Prevalence of Overactive Bladder in the Medicare Population. Clinical Medicine Insights Urology, 2019, 12, 117956111984746.	0.4	1
13	Spatial heterogeneity in Bayesian disease mapping. Geo Journal, 2019, 84, 1303-1316.	1.7	3
14	Geographical Patterns in Drug-Related Mortality and Suicide: Investigating Commonalities in English Small Areas. International Journal of Environmental Research and Public Health, 2019, 16, 1831.	1.2	4
15	Development of the Australian neighborhood social fragmentation index and its association with spatial variation in depression across communities. Social Psychiatry and Psychiatric Epidemiology, 2019, 54, 1189-1198.	1.6	17
16	Obesity and Urban Environments. International Journal of Environmental Research and Public Health, 2019, 16, 464.	1.2	51
17	Bayesian Linear Mixed Models with Polygenic Effects. Journal of Statistical Software, 2018, 85, .	1.8	2
18	The effect of regional politics on regional life expectancy in Italy (1980â€"2010). Scandinavian Journal of Public Health, 2017, 45, 121-131.	1.2	2

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19	Representing spatial dependence and spatial discontinuity in ecological epidemiology: a scale mixture approach. Stochastic Environmental Research and Risk Assessment, 2017, 31, 291-304.	1.9	9
20	Variations in Obesity Rates between US Counties: Impacts of Activity Access, Food Environments, and Settlement Patterns. International Journal of Environmental Research and Public Health, 2017, 14, 1023.	1.2	22
21	Quantile regression for overdispersed count data: a hierarchical method. Journal of Statistical Distributions and Applications, 2017, 4, .	1.2	8
22	Assessing Impacts on Unplanned Hospitalisations of Care Quality and Access Using a Structural Equation Method: With a Case Study of Diabetes. International Journal of Environmental Research and Public Health, 2016, 13, 870.	1.2	0
23	Spatiotemporal Frameworks for Infectious Disease Diffusion and Epidemiology. International Journal of Environmental Research and Public Health, 2016, 13, 1261.	1.2	6
24	Does depression diagnosis and antidepressant prescribing vary by location? Analysis of ethnic density associations using a large primary-care dataset. Psychological Medicine, 2016, 46, 1321-1329.	2.7	26
25	Area variations in multiple morbidity using a life table methodology. Health Services and Outcomes Research Methodology, 2016, 16, 58-74.	0.8	4
26	Explaining variations in obesity and inactivity between US metropolitan areas. Geo Journal, 2016, 81, 211-229.	1.7	9
27	Spatial variation in attributable risks. Spatial and Spatio-temporal Epidemiology, 2015, 12, 39-52.	0.9	2
28	The insignificant evolution of the richness-mass relation of galaxy clusters. Astronomy and Astrophysics, 2014, 568, A23.	2.1	34
29	Interpolation between spatial frameworks: An application of process convolution to estimating neighbourhood disease prevalence. Statistical Methods in Medical Research, 2014, 23, 169-182.	0.7	1
30	Bayesian Spatial Statistical Modeling. , 2014, , 1419-1434.		0
31	Estimating life expectancies for US small areas: a regression framework. Journal of Geographical Systems, 2014, 16, 1-18.	1.9	8
32	Modelling changes in Arctic Sea Ice Cover: an application of generalized and inflated beta and gamma densities. Journal of Statistical Distributions and Applications, 2014, 1, 3.	1.2	0
33	Modelling changes in small area disability free life expectancy: trends in London wards between 2001 and 2011. Statistics in Medicine, 2014, 33, 5138-5150.	0.8	5
34	The impact of nursing homes on small-area life expectancies. Health and Place, 2013, 19, 25-32.	1.5	10
35	Small-area health comparisons using health-adjusted life expectancies: A Bayesian random-effects approach. Health and Place, 2013, 23, 70-78.	1.5	20
36	Modelling small-area inequality in premature mortality using years of life lost rates. Journal of Geographical Systems, 2013, 15, 149-167.	1.9	1

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37	Assessing the Impact of Socioeconomic Variables on Small Area Variations in Suicide Outcomes in England. International Journal of Environmental Research and Public Health, 2013, 10, 158-177.	1.2	54
38	Spatially Interpolated Disease Prevalence Estimation Using Collateral Indicators of Morbidity and Ecological Risk. International Journal of Environmental Research and Public Health, 2013, 10, 5011-5025.	1.2	3
39	Forecasting Demand for Regional Health Care. Profiles in Operations Research, 2013, , 333-359.	0.3	1
40	Comparison of Bayesian Random-Effects and Traditional Life Expectancy Estimations in Small-Area Applications. American Journal of Epidemiology, 2012, 176, 929-937.	1.6	27
41	A spatial random-effects model for interzone flows: commuting in Northern Ireland. Journal of Applied Statistics, 2012, 39, 199-213.	0.6	2
42	Latent variable model for suicide risk in relation to social capital and socio-economic status. Social Psychiatry and Psychiatric Epidemiology, 2012, 47, 1205-1219.	1.6	23
43	Spatial Health Factors with Selection Among Multiple Causes: Lung Cancer in U.S. Counties. Communications in Statistics - Theory and Methods, 2012, 41, 1933-1953.	0.6	0
44	The Spatial Pattern of Suicide in the US in Relation to Deprivation, Fragmentation and Rurality. Urban Studies, 2011, 48, 2101-2122.	2.2	48
45	Spatial path models with multiple indicators and multiple causes: Mental health in US counties. Spatial and Spatio-temporal Epidemiology, 2011, 2, 103-116.	0.9	10
46	Toxocara infection in the United States: the relevance of poverty, geography and demography as risk factors, and implications for estimating county prevalence. International Journal of Public Health, 2011, 56, 15-24.	1.0	47
47	Explaining the Spatial Pattern of Suicide and Self-Harm Rates: A Case Study of East and South East England. Applied Spatial Analysis and Policy, 2011, 4, 23-43.	1.0	10
48	Structural equation models for area health outcomes with model selection. Journal of Applied Statistics, 2011, 38, 745-767.	0.6	2
49	A multiple indicator, multiple cause method for representing social capital with an application to psychological distress. Journal of Geographical Systems, 2010, 12, 1-23.	1.9	4
50	Random-Effects Models for Migration Attractivity and Retentivity: A Bayesian Methodology. Journal of the Royal Statistical Society Series A: Statistics in Society, 2010, 173, 755-774.	0.6	19
51	Estimating Prevalence of Coronary Heart Disease for Small Areas Using Collateral Indicators of Morbidity. International Journal of Environmental Research and Public Health, 2010, 7, 164-177.	1.2	7
52	A Multilevel Model for Comorbid Outcomes: Obesity and Diabetes in the US. International Journal of Environmental Research and Public Health, 2010, 7, 333-352.	1.2	9
53	A spatial structural equation model with an application to area health needs. Journal of Statistical Computation and Simulation, 2010, 80, 401-412.	0.7	4
54	Assessing Differential Area Mortality Trends via Bayesian Random Effects. Communications in Statistics - Theory and Methods, 2010, 39, 2205-2230.	0.6	1

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55	County variation in use of inpatient and ambulatory psychiatric care in New York State 1999–2001: Need and supply influences in a structural model. Health and Place, 2009, 15, 568-577.	1.5	9
56	Adaptive autoregressive priors for area and time structured mortality data. Journal of Statistical Planning and Inference, 2009, 139, 2870-2884.	0.4	1
57	A multilevel model for cardiovascular disease prevalence in the US and its application to micro area prevalence estimates. International Journal of Health Geographics, 2009, 8, 6.	1.2	27
58	Life Expectancies for Small Areas: A Bayesian Random Effects Methodology. International Statistical Review, 2009, 77, 222-240.	1.1	13
59	Modelling the impact of socioeconomic structure on spatial health outcomes. Computational Statistics and Data Analysis, 2009, 53, 3047-3056.	0.7	6
60	Bayesian Multinomial Logit. Transportation Research Record, 2009, 2136, 28-36.	1.0	13
61	The need for psychiatric care in England: a spatial factor methodology. Journal of Geographical Systems, 2008, 10, 217.	1.9	5
62	A spatial structural equation model for health outcomes. Journal of Statistical Planning and Inference, 2008, 138, 2090-2105.	0.4	3
63	A bivariate frailty model for events with a permanent survivor fraction and non-monotonic hazards; with an application to age at first maternity. Computational Statistics and Data Analysis, 2008, 52, 4346-4356.	0.7	3
64	A spatially adaptive conditional autoregressive prior for area health data. Statistical Methodology, 2008, 5, 552-563.	0.5	13
65	Estimating CHD prevalence by small area: Integrating information from health surveys and area mortality. Health and Place, 2008, 14, 59-75.	1.5	14
66	Neighbourhood perceptions among inner-city adolescents: Relationships with their individual characteristics and with independently assessed neighbourhood conditions. Journal of Environmental Psychology, 2008, 28, 128-142.	2.3	36
67	Model weights for model choice and averaging. Statistical Methodology, 2007, 4, 143-157.	0.5	23
68	Bayesian modelling strategies for spatially varying regression coefficients: A multivariate perspective for multiple outcomes. Computational Statistics and Data Analysis, 2007, 51, 2586-2601.	0.7	11
69	Mixtures of spatial and unstructured effects for spatially discontinuous health outcomes. Computational Statistics and Data Analysis, 2007, 51, 3197-3212.	0.7	15
70	A model for spatial variations in life expectancy; mortality in Chinese regions in 2000. International Journal of Health Geographics, 2007, 6, 16.	1.2	8
71	A spatial structural equation modelling framework for health count responses. Statistics in Medicine, 2007, 26, 5267-5284.	0.8	4
72	Analysis of marginally specified semi-nonparametric models for clustered binary data. Statistica Neerlandica, 2007, 61, 292-304.	0.9	0

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73	Gaussian Markov Random Fields: Theory and Applications. Journal of the Royal Statistical Society Series A: Statistics in Society, 2007, 170, 858-858.	0.6	2
74	A Model Framework for Mortality and Health Data Classified by Age, Area, and Time. Biometrics, 2006, 62, 269-278.	0.8	14
75	Hierarchical and Panel Data Models. Wiley Series in Probability and Statistics, 2006, , 321-378.	0.0	0
76	Bayesian model comparison via parallel model output. Journal of Statistical Computation and Simulation, 2006, 76, 149-165.	0.7	4
77	Modelling multiple hospital outcomes: the impact of small area and primary care practice variation. International Journal of Health Geographics, 2006, 5, 50.	1.2	10
78	Bayesian model choice based on Monte Carlo estimates of posterior model probabilities. Computational Statistics and Data Analysis, 2006, 50, 346-357.	0.7	62
79	A model for non-parametric spatially varying regression effects. Computational Statistics and Data Analysis, 2006, 50, 422-445.	0.7	21
80	The ecological relationship between deprivation, social isolation and rates of hospital admission for acute psychiatric care: a comparison of London and New York City. Health and Place, 2006, 12, 19-37.	1.5	84
81	Estimating population prevalence of psychiatric conditions by small area with applications to analysing outcome and referral variations. Health and Place, 2006, 12, 465-478.	1.5	12
82	Psychological distress among adolescents, and its relationship to individual, family and area characteristics in East London. Social Science and Medicine, 2006, 63, 636-648.	1.8	81
83	Estimating diabetes prevalence by small area in England. Journal of Public Health, 2006, 28, 71-81.	1.0	49
84	Bayesian predictive model comparison via parallel sampling. Computational Statistics and Data Analysis, 2005, 48, 735-753.	0.7	18
85	Trends in inequality in infant mortality in the north of England, 1921-1973, and their association with urban and social structure. Journal of the Royal Statistical Society Series A: Statistics in Society, 2005, 168, 679-700.	0.6	11
86	Specialist public health capacity in England: working in the new primary care organizations. Public Health, 2005, 119, 22-31.	1.4	6
87	The geographical distribution of specialists in public health in the United Kingdom: is capacity related to need?. Public Health, 2005, 119, 639-646.	1.4	4
88	Assessing intervention effects in a community-based trial to reduce self-harm: A methodological case study. Public Health, 2005, 119, 1011-1015.	1.4	1
89	Commentary: Contextual effects: index construction and technique. International Journal of Epidemiology, 2004, 33, 741-742.	0.9	25
90	A Multivariate Model for Spatioâ€temporal Health Outcomes with an Application to Suicide Mortality. Geographical Analysis, 2004, 36, 234-258.	1.9	16

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91	Geographical variation in acute psychiatric admissions within New York City 1990–2000: growing inequalities in service use?. Social Science and Medicine, 2004, 59, 361-376.	1.8	48
92	Area effects on health variation over the life-course: analysis of the longitudinal study sample in England using new data on area of residence in childhood. Social Science and Medicine, 2004, 58, 57-74.	1.8	93
93	Small area variations in infant mortality in England and Wales in the inter-war period and their link with socio-economic factors. Health and Place, 2004, 10, 363-382.	1.5	10
94	Modelling Trends and Inequality in Small Area Mortality. Journal of Applied Statistics, 2004, 31, 603-622.	0.6	8
95	Modelling spatially varying impacts of socioeconomic predictors on mortality outcomes. Journal of Geographical Systems, 2003, 5, 161-184.	1.9	31
96	A life table approach to small area health need profiling. Statistical Modelling, 2002, 2, 63-88.	0.5	7
97	A Model for Mental Health Needs and Resourcing in Small Geographic Areas: A Multivariate Spatial Perspective. Geographical Analysis, 2002, 34, 168-186.	1.9	26
98	Predicting adverse infant health outcomes using routine screening variables: Modelling the impact of interdependent risk factors. Journal of Applied Statistics, 2001, 28, 183-197.	0.6	5
99	Quantifying and explaining changes in geographical inequality of infant mortality in England and Wales since the 1890s. International Journal of Population Geography: IJPG, 2001, 7, 35-51.	0.8	20
100	The development of gravity models for hospital patient flows under system change: a Bayesian modelling approach. , 2001, 4, 289-304.		41
101	Health status and healthy life measures for population health need assessment: modelling variability and uncertainty. Health and Place, 2001, 7, 13-25.	1.5	17
102	Small area variation in hospital admission rates: Bayesian adjustment for primary care and hospital factors. Journal of the Royal Statistical Society Series C: Applied Statistics, 2000, 49, 207-226.	0.5	13
103	Monitoring Suicide Mortality: A Bayesian Approach. European Journal of Population, 2000, 16, 251-284.	1.1	30
104	A Bayesian Approach to Prediction Using the Gravity Model, with an Application to Patient Flow Modeling. Geographical Analysis, 2000, 32, 205-224.	1.9	37
105	Application of a Method of Estimating DIF for Polytomous Test Items. Journal of Educational and Behavioral Statistics, 1999, 24, 323-341.	1.0	83
106	Primary care needs assessment and resourcing: complementary practice and geographic perspectives. Health and Place, 1999, 5, 59-82.	1.5	8
107	A multilevel model for infant health outcomes: maternal risk factors and geographic variation. Journal of the Royal Statistical Society: Series D (the Statistician), 1998, 47, 159-182.	0.2	7
108	Assessing Psychiatric Morbidity from Community Registers: Methods for Bayesian Adjustment. Urban Studies, 1998, 35, 2323-2352.	2.2	9

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109	Suicide Risk in London: An Examination of Changing Trends in the 1980s and 1990s. London Journal, 1997, 22, 160-174.	0.1	3
110	Bayesian models for spatial incidence: a case study of suicide using the BUGS program. Health and Place, 1997, 3, 229-247.	1.5	27
111	Multilevel and Clustering Analysis of Health Outcomes in Small Areas. European Journal of Population, 1997, 13, 305-338.	1.1	6
112	A multi-level perspective on small-area health and mortality: a case study of England and Wales. , 1997, 3, 243-263.		29
113	The Epidemiology of Suicide in London. Journal of the Royal Statistical Society Series A: Statistics in Society, 1996, 159, 515.	0.6	25
114	Suicide and Parasuicide in London: A Small-area Study. Urban Studies, 1996, 33, 137-158.	2.2	154
115	Geographic variation in illness and mortality: the development of a relevant area typology for SAR districts. Health and Place, 1996, 2, 139-155.	1.5	19
116	Modelling inequality in reported long term illness in the UK: combining individual and area characteristics.. Journal of Epidemiology and Community Health, 1996, 50, 366-376.	2.0	125
117	General Linear Gravity Models for the Impact of Casualty Unit Closures. Urban Studies, 1996, 33, 1707-1728.	2.2	4
118	Life table analysis for areas using vital register data. European Journal of Population, 1995, 11, 343-369.	1.1	1
119	Modelling frailty in area mortality. Statistics in Medicine, 1995, 14, 1859-1874.	0.8	11
120	The Impact of Area Context on Long Term Illness and Premature Mortality: An Illustration of Multi-level Analysis. Regional Studies, 1995, 29, 327-344.	2.5	43
121	Socio-economic Structure and Health in London. Urban Studies, 1995, 32, 523-549.	2.2	9
122	Localities for Epidemiological Monitoring and Health Policy. Urban Studies, 1995, 32, 1175-1198.	2.2	2
123	Micro- and Aggregate Perspectives on Life Table Heterogeneity: An Empirical Investigation of Area Mortality. Social Science Research, 1995, 24, 136-166.	1.1	0
124	Analysing Mortality in London: Life-Tables with Frailty. Journal of the Royal Statistical Society: Series D (the Statistician), 1994, 43, 277.	0.2	12
125	Spatiotemporal Analysis of Area Mortality. Journal of the Royal Statistical Society: Series D (the) Tj ETQq1 1 0.784314 rgBT /Overlock	0.2	4
126	Statistical Graduation in Local Demographic Analysis and Projection. Journal of the Royal Statistical Society Series A: Statistics in Society, 1993, 156, 237.	0.6	40

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127	Approaches to Modelling Overdispersion in the Analysis of Migration. Environment and Planning A, 1993, 25, 1481-1510.	2.1	18
128	A Demo-Educational Model for Forecasting School Rolls for Localities. Journal of the Royal Statistical Society: Series D (the Statistician), 1992, 41, 573.	0.2	1
129	Multiregional Demographic Projections in Practice: A Metropolitan Example. Regional Studies, 1992, 26, 177-191.	2.5	6
130	Aspects of General Linear Modelling of Migration. Journal of the Royal Statistical Society: Series D (the Statistician), 1992, 41, 133.	0.2	9
131	Introduction: Spatial statistics and modeling. Papers in Regional Science, 1991, 70, 221-222.	1.0	2
132	Spatiotemporal models for small-area social indicators. Papers in Regional Science, 1991, 70, 243-265.	1.0	4
133	The analysis of small area social change. Progress in Planning, 1990, 34, 191-290.	2.3	2
134	Small town England: Population change among small to medium sized urban areas, 1971–81. Progress in Planning, 1990, 33, 1-111.	2.3	8
135	Issues in the Analysis of Small Area Mortality. Urban Studies, 1990, 27, 519-536.	2.2	5
136	Graduation of Fertility Schedules: An Analysis of Fertility Patterns in London in the 1980s and an Application to Fertility Forecasts. Regional Studies, 1990, 24, 311-326.	2.5	10
137	An Analysis of Population and Social Change in London Wards in the 1980s. Transactions of the Institute of British Geographers, 1989, 14, 478.	1.8	12
138	Modelling Migration Flows between Areas: An Analysis for London Using the Census and OPCS Longitudinal Study. Regional Studies, 1989, 23, 87-103.	2.5	15
139	OCCUPATIONAL MOBILITY and LABOUR MARKET STRUCTURE: A MULTIVARIATE MARKOV MODEL. Scottish Journal of Political Economy, 1988, 35, 208-226.	1.1	4
140	The Interdependence of Geographical Migration with Job and Housing Mobility in London. Regional Studies, 1988, 22, 81-93.	2.5	9
141	Components of Social Change in Urban Areas. Urban Studies, 1988, 25, 173-189.	2.2	15
142	Deprivation in London Wards: Mortality and Unemployment Trends in the 1980's. Journal of the Royal Statistical Society: Series D (the Statistician), 1988, 37, 451.	0.2	3
143	Modelling Population Changes in Small English Urban Areas. Environment and Planning A, 1986, 18, 1297-1322.	2.1	6
144	HETEROGENEITY AND TIMING EFFECTS IN OCCUPATIONAL MOBILITY: A GENERAL MODEL[*]. Oxford Bulletin of Economics and Statistics, 1985, 47, 347-369.	0.9	1

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145	A Model for the Interaction of Migration and Commuting. Urban Studies, 1983, 20, 185-195.	2.2	7
146	Forecasting births in Greater London: An application of the easterlin hypothesis. Population Studies, 1980, 34, 267-278.	1.1	6
147	Regression Models. , 0, , 79-133.		0
148	Models for Spatial Outcomes and Geographical Association. , 0, , 273-322.		0
149	A model for geographical variation in health and total life expectancy. Demographic Research, 0, 14, 157-178.	2.0	5
150	Models for Migration Age Schedules: A Bayesian Perspective with an Application to Flows between Scotland and England. , 0, , 193-205.		3