Jon Wakefield

List of Publications by Year in Descending Order

118 papers	4,062 citations	34 h-index	62 g-index
126 ext. papers	4,800 ext. citations	3.9 avg, IF	6.04 L-index

#	Paper	IF	Citations
118	Bayesian multiresolution modeling of georeferenced data: An extension of ⬜atticeKrig⬜ *Computational Statistics and Data Analysis*, **2022**, 173, 107503	1.6	0
117	Modeling and presentation of vaccination coverage estimates using data from household surveys. *Vaccine*, **2021**, 39, 2584-2594	4.1	4
116	Estimating seroprevalence of SARS-CoV-2 in Ohio: A Bayesian multilevel poststratification approach with multiple diagnostic tests. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	3
115	Estimation of health and demographic indicators with incomplete geographic information. *Spatial and Spatio-temporal Epidemiology*, **2021**, 37, 100421	3.5	0
114	Space-time modeling of child mortality at the Admin-2 level in a low and middle income countries context. *Statistics in Medicine*, **2021**, 40, 1593-1638	2.3	0
113	Harmonizing child mortality data at disparate geographic levels. *Statistical Methods in Medical Research*, **2021**, 30, 1187-1210	2.3	2
112	Naomi: a new modelling tool for estimating HIV epidemic indicators at the district level in sub-Saharan Africa. *Journal of the International AIDS Society*, **2021**, 24 Suppl 5, e25788	5.4	2
111	A linear noise approximation for stochastic epidemic models fit to partially observed incidence counts. *Biometrics*, **2021**,	1.8	3
110	Trends in Sociodemographic Disparities in Colorectal Cancer Staging and Survival: A SEER-Medicare Analysis. *Clinical and Translational Gastroenterology*, **2020**, 11, e00155	4.2	7
109	Child mortality estimation incorporating summary birth history data. *Biometrics*, **2020**, 77, 1456	1.8	1
108	Ecological inference for infectious disease data, with application to vaccination strategies. *Statistics in Medicine*, **2020**, 39, 220-238	2.3	2
107	Design- and Model-Based Approaches to Small-Area Estimation in A Low- and Middle-Income Country Context: Comparisons and Recommendations. *Journal of Survey Statistics and Methodology*, **2020**,	1.6	4
106	Prevalence Mapping **2020**, 1-7		1
105	Pointless spatial modeling. *Biostatistics*, **2020**, 21, e17-e32	3.7	13
104	Changes in the spatial distribution of the under-five mortality rate: Small-area analysis of 122 DHS surveys in 262 subregions of 35 countries in Africa. *PLoS ONE*, **2019**, 14, e0210645	3.7	24
103	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. *Nature*, **2019**, 574, 353-358	50.4	87
102	Estimating under-five mortality in space and time in a developing world context. *Statistical Methods in Medical Research*, **2019**, 28, 2614-2634	2.3	23

101	Associations between social capital and depression: A study of adult twins. *Health and Place*, **2018**, 50, 162-167	4.6	17
100	Associations between neighbourhood characteristics and depression: a twin study. *Journal of Epidemiology and Community Health*, **2018**, 72, 202-207	5.1	12
99	Stratified space-time infectious disease modelling, with an application to hand, foot and mouth disease in China. *Journal of the Royal Statistical Society Series C: Applied Statistics*, **2018**, 67, 1379-1398	1.5	8
98	Impacts of Neanderthal-Introgressed Sequences on the Landscape of Human Gene Expression. *Cell*, **2017**, 168, 916-927.e12	56.2	84
97	Introduction to the Design and Analysis of Complex Survey Data. *Statistical Science*, **2017**, 32,	2.4	15
96	Air pollution exposure is associated with MRSA acquisition in young U.S. children with cystic fibrosis. *BMC Pulmonary Medicine*, **2017**, 17, 106	3.5	17
95	Efficient Data Augmentation for Fitting Stochastic Epidemic Models to Prevalence Data. *Journal of Computational and Graphical Statistics*, **2017**, 26, 918-929	1.4	12
94	Seasonality of acquisition of respiratory bacterial pathogens in young children with cystic fibrosis. *BMC Infectious Diseases*, **2017**, 17, 411	4	10
93	Temporal Trends in Geographic and Sociodemographic Disparities in Colorectal Cancer Among Medicare Patients, 1973-2010. *Journal of Rural Health*, **2017**, 33, 361-370	4.6	16
92	Time series modeling of pathogen-specific disease probabilities with subsampled data. *Biometrics*, **2017**, 73, 283-293	1.8	1
91	Bayesian penalized spline models for the analysis of spatio-temporal count data. *Statistics in Medicine*, **2016**, 35, 1848-65	2.3	23
90	Excavating Neandertal and Denisovan DNA from the genomes of Melanesian individuals. *Science*, **2016**, 352, 235-9	33.3	262
89	Using Small-Area Estimation to Calculate the Prevalence of Smoking by Subcounty Geographic Areas in King County, Washington, Behavioral Risk Factor Surveillance System, 2009-2013. *Preventing Chronic Disease*, **2016**, 13, E59	3.7	16
88	A Review and Comparison of Age-Period-Cohort Models for Cancer Incidence. *Statistical Science*, **2016**, 31,	2.4	41
87	PREDICTIVE MODELING OF CHOLERA OUTBREAKS IN BANGLADESH. *Annals of Applied Statistics*, **2016**, 10, 575-595	2.1	11
86	Comment: Getting into Space with a Weight Problem. *Journal of the American Statistical Association*, **2016**, 111, 1111-1118	2.8	2
85	Fine particulate matter exposure and initial Pseudomonas aeruginosa acquisition in cystic fibrosis. *Annals of the American Thoracic Society*, **2015**, 12, 385-91	4.7	40
84	Restricted Covariance Priors with Applications in Spatial Statistics. *Bayesian Analysis*, **2015**, 10, 965-990	2.3	4

83	Space-Time Smoothing of Complex Survey Data: Small Area Estimation for Child Mortality. *Annals of Applied Statistics*, **2015**, 9, 1889-1905	2.1	35
82	Bayesian hierarchical models for smoothing in two-phase studies, with application to small area estimation. *Journal of the Royal Statistical Society Series A: Statistics in Society*, **2015**, 178, 1009-1023	2.1	2
81	Africa's Oesophageal Cancer Corridor: Geographic Variations in Incidence Correlate with Certain Micronutrient Deficiencies. *PLoS ONE*, **2015**, 10, e0140107	3.7	26
80	A comparison of spatial smoothing methods for small area estimation with sampling weights. *Spatial Statistics*, **2014**, 8, 69-85	2.2	29
79	The use of sampling weights in Bayesian hierarchical models for small area estimation. *Spatial and Spatio-temporal Epidemiology*, **2014**, 11, 33-43	3.5	37
78	Evolution and genetic architecture of chromatin accessibility and function in yeast. *PLoS Genetics*, **2014**, 10, e1004427	6	13
77	Heritable variation of mRNA decay rates in yeast. *Genome Research*, **2014**, 24, 2000-10	9.7	6
76	Differential geographical risk of initial Pseudomonas aeruginosa acquisition in young US children with cystic fibrosis. *American Journal of Epidemiology*, **2014**, 179, 1503-13	3.8	19
75	Alleviating Ecological Bias in Poisson Models Using Optimal Subsampling: The Effects of Jim Crow on Black Illiteracy in the Robinson Data. *Sociological Methodology*, **2014**, 44, 159-184	2.6	2
74	Bayesian and Frequentist Regression Methods. *Springer Series in Statistics*, **2013**,	0.3	58
73	Smoking water-pipe, chewing nass and prevalence of heart disease: a cross-sectional analysis of baseline data from the Golestan Cohort Study, Iran. *Heart*, **2013**, 99, 272-8	5.1	31
72	Integrative phenomics reveals insight into the structure of phenotypic diversity in budding yeast. *Genome Research*, **2013**, 23, 1496-504	9.7	114
71	Bayesian inference for two-phase studies with categorical covariates. *Biometrics*, **2013**, 69, 469-77	1.8	1
70	Frequentist Inference. *Springer Series in Statistics*, **2012**, 27-83	0.3	1
69	Bayesian Inference. *Springer Series in Statistics*, **2012**, 85-151	0.3	
68	Hypothesis Testing and Variable Selection. *Springer Series in Statistics*, **2012**, 153-191	0.3	
67	Linear Models. *Springer Series in Statistics*, **2012**, 195-252	0.3	
66	General Regression Models. *Springer Series in Statistics*, **2012**, 253-303	0.3	

47	Bayes computation for ecological inference. *Statistics in Medicine*, **2011**, 30, 1381-96	2.3	9
46	A powerful and flexible statistical framework for testing hypotheses of allele-specific gene expression from RNA-seq data. *Genome Research*, **2011**, 21, 1728-37	9.7	132
45	Bayesian methods for examining Hardy-Weinberg equilibrium. *Biometrics*, **2010**, 66, 257-65	1.8	24
44	Bayesian inference for generalized linear mixed models. *Biostatistics*, **2010**, 11, 397-412	3.7	176
43	Bayesian mixture modeling using a hybrid sampler with application to protein subfamily identification. *Biostatistics*, **2010**, 11, 18-33	3.7	3
42	Ecological Inference in the Social Sciences. *Statistical Methodology*, **2010**, 7, 307-322		18
41	Spatial clustering of myelodysplastic syndromes (MDS) in the Seattle-Puget Sound region of Washington State. *Cancer Causes and Control*, **2010**, 21, 829-38	2.8	4
40	Patterns of food and nutrient consumption in northern Iran, a high-risk area for esophageal cancer. *Nutrition and Cancer*, **2009**, 61, 475-83	2.8	38
39	Socio-economic status and oesophageal cancer: results from a population-based case-control study in a high-risk area. *International Journal of Epidemiology*, **2009**, 38, 978-88	7.8	150
38	Bayes factors for genome-wide association studies: comparison with P-values. *Genetic Epidemiology*, **2009**, 33, 79-86	2.6	266
37	Comments on 'The BUGS project: Evolution, critique and future directions'. *Statistics in Medicine*, **2009**, 28, 3079-80	2.3	1
36	Reporting and interpretation in genome-wide association studies. *International Journal of Epidemiology*, **2008**, 37, 641-53	7.8	53
35	Overcoming ecologic bias using the two-phase study design. *American Journal of Epidemiology*, **2008**, 167, 908-16	3.8	22
34	A hybrid model for reducing ecological bias. *Biostatistics*, **2008**, 9, 1-17	3.7	18
33	Sequence variants of NAT1 and NAT2 and other xenometabolic genes and risk of lung and aerodigestive tract cancers in Central Europe. *Cancer Epidemiology Biomarkers and Prevention*, **2008**, 17, 141-7	4	23
32	A transdimensional Bayesian model for pattern recognition in DNA sequences. *Biostatistics*, **2008**, 9, 668-85	3.7	5
31	Alleviating Linear Ecological Bias and Optimal Design with Sub-sample Data. *Journal of the Royal Statistical Society Series A: Statistics in Society*, **2008**, 171, 179-202	2.1	8
30	Gamma generalized linear models for pharmacokinetic data. *Biometrics*, **2008**, 64, 620-6	1.8	28

29	A Bayesian measure of the probability of false discovery in genetic epidemiology studies. *American Journal of Human Genetics*, **2007**, 81, 208-27	11	343
28	Disease mapping and spatial regression with count data. *Biostatistics*, **2007**, 8, 158-83	3.7	204
27	A Bayesian mixture model for partitioning gene expression data. *Biometrics*, **2006**, 62, 515-25	1.8	13
26	Health-exposure modeling and the ecological fallacy. *Biostatistics*, **2006**, 7, 438-55	3.7	65
25	Ecological inference for 2 2 tables (with discussion). *Journal of the Royal Statistical Society Series A: Statistics in Society*, **2005**, 167, 385-445	2.1	8
24	Controlling for provider of treatment in the modelling of respiratory disease risk near cokeworks. *Statistics in Medicine*, **2004**, 23, 3139-58	2.3	3
23	Ecological inference for 2 2 tables. *Journal of the Royal Statistical Society Series A: Statistics in Society*, **2004**, 167, 385-425	2.1	99
22	Sensitivity analyses for ecological regression. *Biometrics*, **2003**, 59, 9-17	1.8	64
21	Geographical epidemiology of prostate cancer in Great Britain. *International Journal of Cancer*, **2002**, 97, 695-9	7.5	48
20	A hierarchical aggregate data model with spatially correlated disease rates. *Biometrics*, **2002**, 58, 898-905	1.8	9
19	Modelling daily multivariate pollutant data at multiple sites. *Journal of the Royal Statistical Society Series C: Applied Statistics*, **2002**, 51, 351-372	1.5	68
18	Bayesian analysis of population PK/PD models: general concepts and software. *Journal of Pharmacokinetics and Pharmacodynamics*, **2002**, 29, 271-307	2.7	119
17	Errors-in-variables in joint population pharmacokinetic/pharmacodynamic modeling. *Biometrics*, **2001**, 57, 803-12	1.8	14
16	Disease clusters: should they be investigated, and, if so, when and how?. *Journal of the Royal Statistical Society Series A: Statistics in Society*, **2001**, 164, 3-12	2.1	16
15	Ecological regression analysis of environmental benzene exposure and childhood leukaemia: sensitivity to data inaccuracies, geographical scale and ecological bias. *Journal of the Royal Statistical Society Series A: Statistics in Society*, **2001**, 164, 155-174	2.1	39
14	Issues in the statistical analysis of small area health data. *Statistics in Medicine*, **1999**, 18, 2377-99	2.3	64
13	Population modelling in drug development. *Statistical Methods in Medical Research*, **1999**, 8, 183-93	2.3	62
12	Issues in the statistical analysis of small area health data **1999**, 18, 2377		3

11	The Bayesian approach to Population pharmacokinetic/pharmacodynamic modeling. *Lecture Notes in Statistics*, **1999**, 205-265	2.9	22
10	Statistical methods for population pharmacokinetic modelling. *Statistical Methods in Medical Research*, **1998**, 7, 63-84	2.3	37
9	Bayesian nonparametric population models: formulation and comparison with likelihood approaches. *Journal of Pharmacokinetics and Pharmacodynamics*, **1997**, 25, 235-53		14
8	A population approach to initial dose selection. *Statistics in Medicine*, **1997**, 16, 1135-49	2.3	8
7	The Bayesian Analysis of Population Pharmacokinetic Models. *Journal of the American Statistical Association*, **1996**, 91, 62-75	2.8	129
6	Bayesian individualization via sampling-based methods. *Journal of Pharmacokinetics and Pharmacodynamics*, **1996**, 24, 103-31		48
5	The Bayesian Modeling of Covariates for Population Pharmacokinetic Models. *Journal of the American Statistical Association*, **1996**, 91, 917-927	2.8	47
4	An application of Bayesian population pharmacokinetic/pharmacodynamic models to dose recommendation. *Statistics in Medicine*, **1995**, 14, 971-86	2.3	45
3	The hierarchical Bayesian approach to population pharmacokinetic modelling. *International Journal of Bio-medical Computing*, **1994**, 36, 35-42		19
2	An Expected Loss Approach to the Design of Dosage Regimens Via Sampling-Based Methods **1994**, 43, 13		29
1	The Bayesian Analysis of Population Pharmacokinetic Models		34