

# Jon Wakefield

## List of Publications by Citations

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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	A Bayesian measure of the probability of false discovery in genetic epidemiology studies. <i>American Journal of Human Genetics</i> , <b>2007</b> , 81, 208-27	11	343
117	Bayes factors for genome-wide association studies: comparison with P-values. <i>Genetic Epidemiology</i> , <b>2009</b> , 33, 79-86	2.6	266
116	Excavating Neandertal and Denisovan DNA from the genomes of Melanesian individuals. <i>Science</i> , <b>2016</b> , 352, 235-9	33.3	262
115	Disease mapping and spatial regression with count data. <i>Biostatistics</i> , <b>2007</b> , 8, 158-83	3.7	204
114	Hand, foot, and mouth disease in China: patterns of spread and transmissibility. <i>Epidemiology</i> , <b>2011</b> , 22, 781-92	3.1	182
113	Bayesian inference for generalized linear mixed models. <i>Biostatistics</i> , <b>2010</b> , 11, 397-412	3.7	176
112	Socio-economic status and oesophageal cancer: results from a population-based case-control study in a high-risk area. <i>International Journal of Epidemiology</i> , <b>2009</b> , 38, 978-88	7.8	150
111	A powerful and flexible statistical framework for testing hypotheses of allele-specific gene expression from RNA-seq data. <i>Genome Research</i> , <b>2011</b> , 21, 1728-37	9.7	132
110	The Bayesian Analysis of Population Pharmacokinetic Models. <i>Journal of the American Statistical Association</i> , <b>1996</b> , 91, 62-75	2.8	129
109	Bayesian analysis of population PK/PD models: general concepts and software. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2002</b> , 29, 271-307	2.7	119
108	Integrative phenomics reveals insight into the structure of phenotypic diversity in budding yeast. <i>Genome Research</i> , <b>2013</b> , 23, 1496-504	9.7	114
107	Ecological inference for 2 $\times$ 2 tables. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , <b>2004</b> , 167, 385-425	2.1	99
106	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. <i>Nature</i> , <b>2019</b> , 574, 353-358.4	58.4	87
105	Impacts of Neanderthal-Introgressed Sequences on the Landscape of Human Gene Expression. <i>Cell</i> , <b>2017</b> , 168, 916-927.e12	56.2	84
104	Modelling daily multivariate pollutant data at multiple sites. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , <b>2002</b> , 51, 351-372	1.5	68
103	Health-exposure modeling and the ecological fallacy. <i>Biostatistics</i> , <b>2006</b> , 7, 438-55	3.7	65
102	Sensitivity analyses for ecological regression. <i>Biometrics</i> , <b>2003</b> , 59, 9-17	1.8	64

101	Issues in the statistical analysis of small area health data. <i>Statistics in Medicine</i> , <b>1999</b> , 18, 2377-99	2.3	64
100	Population modelling in drug development. <i>Statistical Methods in Medical Research</i> , <b>1999</b> , 8, 183-93	2.3	62
99	Bayesian and Frequentist Regression Methods. <i>Springer Series in Statistics</i> , <b>2013</b> ,	0.3	58
98	Reporting and interpretation in genome-wide association studies. <i>International Journal of Epidemiology</i> , <b>2008</b> , 37, 641-53	7.8	53
97	Geographical epidemiology of prostate cancer in Great Britain. <i>International Journal of Cancer</i> , <b>2002</b> , 97, 695-9	7.5	48
96	Bayesian individualization via sampling-based methods. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>1996</b> , 24, 103-31		48
95	The Bayesian Modeling of Covariates for Population Pharmacokinetic Models. <i>Journal of the American Statistical Association</i> , <b>1996</b> , 91, 917-927	2.8	47
94	An application of Bayesian population pharmacokinetic/pharmacodynamic models to dose recommendation. <i>Statistics in Medicine</i> , <b>1995</b> , 14, 971-86	2.3	45
93	A Review and Comparison of Age-Period-Cohort Models for Cancer Incidence. <i>Statistical Science</i> , <b>2016</b> , 31,	2.4	41
92	Fine particulate matter exposure and initial <i>Pseudomonas aeruginosa</i> acquisition in cystic fibrosis. <i>Annals of the American Thoracic Society</i> , <b>2015</b> , 12, 385-91	4.7	40
91	Ecological regression analysis of environmental benzene exposure and childhood leukaemia: sensitivity to data inaccuracies, geographical scale and ecological bias. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , <b>2001</b> , 164, 155-174	2.1	39
90	Patterns of food and nutrient consumption in northern Iran, a high-risk area for esophageal cancer. <i>Nutrition and Cancer</i> , <b>2009</b> , 61, 475-83	2.8	38
89	The use of sampling weights in Bayesian hierarchical models for small area estimation. <i>Spatial and Spatio-temporal Epidemiology</i> , <b>2014</b> , 11, 33-43	3.5	37
88	Statistical methods for population pharmacokinetic modelling. <i>Statistical Methods in Medical Research</i> , <b>1998</b> , 7, 63-84	2.3	37
87	Space-Time Smoothing of Complex Survey Data: Small Area Estimation for Child Mortality. <i>Annals of Applied Statistics</i> , <b>2015</b> , 9, 1889-1905	2.1	35
86	The Bayesian Analysis of Population Pharmacokinetic Models		34
85	Smoking water-pipe, chewing nass and prevalence of heart disease: a cross-sectional analysis of baseline data from the Golestan Cohort Study, Iran. <i>Heart</i> , <b>2013</b> , 99, 272-8	5.1	31
84	A comparison of spatial smoothing methods for small area estimation with sampling weights. <i>Spatial Statistics</i> , <b>2014</b> , 8, 69-85	2.2	29

83	An Expected Loss Approach to the Design of Dosage Regimens Via Sampling-Based Methods <b>1994</b> , 43, 13		29
82	Gamma generalized linear models for pharmacokinetic data. <i>Biometrics</i> , <b>2008</b> , 64, 620-6	1.8	28
81	Africa's Oesophageal Cancer Corridor: Geographic Variations in Incidence Correlate with Certain Micronutrient Deficiencies. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140107	3.7	26
80	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. <i>PLoS ONE</i> , <b>2019</b> , 14, e0210645	3.7	24
79	Bayesian methods for examining Hardy-Weinberg equilibrium. <i>Biometrics</i> , <b>2010</b> , 66, 257-65	1.8	24
78	Bayesian penalized spline models for the analysis of spatio-temporal count data. <i>Statistics in Medicine</i> , <b>2016</b> , 35, 1848-65	2.3	23
77	Sequence variants of NAT1 and NAT2 and other xenometabolic genes and risk of lung and aerodigestive tract cancers in Central Europe. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2008</b> , 17, 141-7	4	23
76	Estimating under-five mortality in space and time in a developing world context. <i>Statistical Methods in Medical Research</i> , <b>2019</b> , 28, 2614-2634	2.3	23
75	Overcoming ecologic bias using the two-phase study design. <i>American Journal of Epidemiology</i> , <b>2008</b> , 167, 908-16	3.8	22
74	The Bayesian approach to Population pharmacokinetic/pharmacodynamic modeling. <i>Lecture Notes in Statistics</i> , <b>1999</b> , 205-265	2.9	22
73	Differential geographical risk of initial <i>Pseudomonas aeruginosa</i> acquisition in young US children with cystic fibrosis. <i>American Journal of Epidemiology</i> , <b>2014</b> , 179, 1503-13	3.8	19
72	The hierarchical Bayesian approach to population pharmacokinetic modelling. <i>International Journal of Bio-medical Computing</i> , <b>1994</b> , 36, 35-42		19
71	Ecological Inference in the Social Sciences. <i>Statistical Methodology</i> , <b>2010</b> , 7, 307-322		18
70	A hybrid model for reducing ecological bias. <i>Biostatistics</i> , <b>2008</b> , 9, 1-17	3.7	18
69	Air pollution exposure is associated with MRSA acquisition in young U.S. children with cystic fibrosis. <i>BMC Pulmonary Medicine</i> , <b>2017</b> , 17, 106	3.5	17
68	Associations between social capital and depression: A study of adult twins. <i>Health and Place</i> , <b>2018</b> , 50, 162-167	4.6	17
67	Temporal Trends in Geographic and Sociodemographic Disparities in Colorectal Cancer Among Medicare Patients, 1973-2010. <i>Journal of Rural Health</i> , <b>2017</b> , 33, 361-370	4.6	16
66	Disease clusters: should they be investigated, and, if so, when and how?. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , <b>2001</b> , 164, 3-12	2.1	16

65	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. <i>Preventing Chronic Disease</i> , <b>2016</b> , 13, E59	3.7	16
64	Introduction to the Design and Analysis of Complex Survey Data. <i>Statistical Science</i> , <b>2017</b> , 32,	2.4	15
63	Bayesian nonparametric population models: formulation and comparison with likelihood approaches. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>1997</b> , 25, 235-53		14
62	Errors-in-variables in joint population pharmacokinetic/pharmacodynamic modeling. <i>Biometrics</i> , <b>2001</b> , 57, 803-12	1.8	14
61	Using prior information from the medical literature in GWAS of oral cancer identifies novel susceptibility variant on chromosome 4--the AdAPT method. <i>PLoS ONE</i> , <b>2012</b> , 7, e36888	3.7	14
60	Evolution and genetic architecture of chromatin accessibility and function in yeast. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004427	6	13
59	A Bayesian mixture model for partitioning gene expression data. <i>Biometrics</i> , <b>2006</b> , 62, 515-25	1.8	13
58	Pointless spatial modeling. <i>Biostatistics</i> , <b>2020</b> , 21, e17-e32	3.7	13
57	Associations between neighbourhood characteristics and depression: a twin study. <i>Journal of Epidemiology and Community Health</i> , <b>2018</b> , 72, 202-207	5.1	12
56	Efficient Data Augmentation for Fitting Stochastic Epidemic Models to Prevalence Data. <i>Journal of Computational and Graphical Statistics</i> , <b>2017</b> , 26, 918-929	1.4	12
55	PREDICTIVE MODELING OF CHOLERA OUTBREAKS IN BANGLADESH. <i>Annals of Applied Statistics</i> , <b>2016</b> , 10, 575-595	2.1	11
54	Seasonality of acquisition of respiratory bacterial pathogens in young children with cystic fibrosis. <i>BMC Infectious Diseases</i> , <b>2017</b> , 17, 411	4	10
53	Bayes computation for ecological inference. <i>Statistics in Medicine</i> , <b>2011</b> , 30, 1381-96	2.3	9
52	A hierarchical aggregate data model with spatially correlated disease rates. <i>Biometrics</i> , <b>2002</b> , 58, 898-905.8		9
51	Stratified space-time infectious disease modelling, with an application to hand, foot and mouth disease in China. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , <b>2018</b> , 67, 1379-1398	1.5	8
50	A population approach to initial dose selection. <i>Statistics in Medicine</i> , <b>1997</b> , 16, 1135-49	2.3	8
49	Alleviating Linear Ecological Bias and Optimal Design with Sub-sample Data. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , <b>2008</b> , 171, 179-202	2.1	8
48	Ecological inference for 2 $\times$ 2 tables (with discussion). <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , <b>2005</b> , 167, 385-445	2.1	8

47	Trends in Sociodemographic Disparities in Colorectal Cancer Staging and Survival: A SEER-Medicare Analysis. <i>Clinical and Translational Gastroenterology</i> , <b>2020</b> , 11, e00155	4.2	7
46	Commentary: Genome-wide significance thresholds via Bayes factors. <i>International Journal of Epidemiology</i> , <b>2012</b> , 41, 286-91	7.8	7
45	Heritable variation of mRNA decay rates in yeast. <i>Genome Research</i> , <b>2014</b> , 24, 2000-10	9.7	6
44	A transdimensional Bayesian model for pattern recognition in DNA sequences. <i>Biostatistics</i> , <b>2008</b> , 9, 668-85	3.7	5
43	Restricted Covariance Priors with Applications in Spatial Statistics. <i>Bayesian Analysis</i> , <b>2015</b> , 10, 965-990	2.3	4
42	Spatial clustering of myelodysplastic syndromes (MDS) in the Seattle-Puget Sound region of Washington State. <i>Cancer Causes and Control</i> , <b>2010</b> , 21, 829-38	2.8	4
41	Design- and Model-Based Approaches to Small-Area Estimation in A Low- and Middle-Income Country Context: Comparisons and Recommendations. <i>Journal of Survey Statistics and Methodology</i> , <b>2020</b> ,	1.6	4
40	Modeling and presentation of vaccination coverage estimates using data from household surveys. <i>Vaccine</i> , <b>2021</b> , 39, 2584-2594	4.1	4
39	Bayesian mixture modeling using a hybrid sampler with application to protein subfamily identification. <i>Biostatistics</i> , <b>2010</b> , 11, 18-33	3.7	3
38	Controlling for provider of treatment in the modelling of respiratory disease risk near cokeworks. <i>Statistics in Medicine</i> , <b>2004</b> , 23, 3139-58	2.3	3
37	Estimating seroprevalence of SARS-CoV-2 in Ohio: A Bayesian multilevel poststratification approach with multiple diagnostic tests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
36	A linear noise approximation for stochastic epidemic models fit to partially observed incidence counts. <i>Biometrics</i> , <b>2021</b> ,	1.8	3
35	Issues in the statistical analysis of small area health data <b>1999</b> , 18, 2377		3
34	Bayesian hierarchical models for smoothing in two-phase studies, with application to small area estimation. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , <b>2015</b> , 178, 1009-1023	2.1	2
33	Alleviating Ecological Bias in Poisson Models Using Optimal Subsampling: The Effects of Jim Crow on Black Illiteracy in the Robinson Data. <i>Sociological Methodology</i> , <b>2014</b> , 44, 159-184	2.6	2
32	Ecological inference for infectious disease data, with application to vaccination strategies. <i>Statistics in Medicine</i> , <b>2020</b> , 39, 220-238	2.3	2
31	Comment: Getting into Space with a Weight Problem. <i>Journal of the American Statistical Association</i> , <b>2016</b> , 111, 1111-1118	2.8	2
30	Harmonizing child mortality data at disparate geographic levels. <i>Statistical Methods in Medical Research</i> , <b>2021</b> , 30, 1187-1210	2.3	2

29	Naomi: a new modelling tool for estimating HIV epidemic indicators at the district level in sub-Saharan Africa. <i>Journal of the International AIDS Society</i> , <b>2021</b> , 24 Suppl 5, e25788	5.4	2
28	Time series modeling of pathogen-specific disease probabilities with subsampled data. <i>Biometrics</i> , <b>2017</b> , 73, 283-293	1.8	1
27	Frequentist Inference. <i>Springer Series in Statistics</i> , <b>2012</b> , 27-83	0.3	1
26	Nonparametric Regression with Multiple Predictors. <i>Springer Series in Statistics</i> , <b>2012</b> , 597-645	0.3	1
25	Introduction and Motivating Examples. <i>Springer Series in Statistics</i> , <b>2012</b> , 1-24	0.3	1
24	Bayesian inference for two-phase studies with categorical covariates. <i>Biometrics</i> , <b>2013</b> , 69, 469-77	1.8	1
23	Comments on 'The BUGS project: Evolution, critique and future directions'. <i>Statistics in Medicine</i> , <b>2009</b> , 28, 3079-80	2.3	1
22	An Efficient Markov Chain Monte Carlo Method for Mixture Models by Neighborhood Pruning. <i>Journal of Computational and Graphical Statistics</i> , <b>2012</b> , 21, 197-216	1.4	1
21	Child mortality estimation incorporating summary birth history data. <i>Biometrics</i> , <b>2020</b> , 77, 1456	1.8	1
20	Prevalence Mapping <b>2020</b> , 1-7		1
19	Binary Data Models. <i>Springer Series in Statistics</i> , <b>2012</b> , 305-350	0.3	0
18	Estimation of health and demographic indicators with incomplete geographic information. <i>Spatial and Spatio-temporal Epidemiology</i> , <b>2021</b> , 37, 100421	3.5	0
17	Space-time modeling of child mortality at the Admin-2 level in a low and middle income countries context. <i>Statistics in Medicine</i> , <b>2021</b> , 40, 1593-1638	2.3	0
16	Bayesian multiresolution modeling of georeferenced data: An extension of $\square$ atticeKrig $\square$ . <i>Computational Statistics and Data Analysis</i> , <b>2022</b> , 173, 107503	1.6	0
15	Bayesian Inference. <i>Springer Series in Statistics</i> , <b>2012</b> , 85-151	0.3	
14	Hypothesis Testing and Variable Selection. <i>Springer Series in Statistics</i> , <b>2012</b> , 153-191	0.3	
13	Linear Models. <i>Springer Series in Statistics</i> , <b>2012</b> , 195-252	0.3	
12	General Regression Models. <i>Springer Series in Statistics</i> , <b>2012</b> , 253-303	0.3	

11	Linear Models. <i>Springer Series in Statistics</i> , <b>2012</b> , 353-423	0.3
10	General Regression Models. <i>Springer Series in Statistics</i> , <b>2012</b> , 425-500	0.3
9	Preliminaries for Nonparametric Regression. <i>Springer Series in Statistics</i> , <b>2012</b> , 503-545	0.3
8	Spline and Kernel Methods. <i>Springer Series in Statistics</i> , <b>2012</b> , 547-595	0.3
7	Differentiation of Matrix Expressions. <i>Springer Series in Statistics</i> , <b>2012</b> , 649-651	0.3
6	Matrix Results. <i>Springer Series in Statistics</i> , <b>2012</b> , 653-654	0.3
5	Some Linear Algebra. <i>Springer Series in Statistics</i> , <b>2012</b> , 655-655	0.3
4	Probability Distributions and Generating Functions. <i>Springer Series in Statistics</i> , <b>2012</b> , 657-665	0.3
3	Functions of Normal Random Variables. <i>Springer Series in Statistics</i> , <b>2012</b> , 667-667	0.3
2	Some Results from Classical Statistics. <i>Springer Series in Statistics</i> , <b>2012</b> , 669-671	0.3
1	Basic Large Sample Theory. <i>Springer Series in Statistics</i> , <b>2012</b> , 673-674	0.3