

Jon Wakefield

List of Publications by Year in descending order

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120
papers

5,408
citations

101543

36
h-index

98798

67
g-index

126
all docs

126
docs citations

126
times ranked

10769
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2022, 10, 50-80.	1.2	11
2	A linear noise approximation for stochastic epidemic models fit to partially observed incidence counts. <i>Biometrics</i> , 2022, 78, 1530-1541.	1.4	13
3	A flexible Bayesian framework to estimate age- and cause-specific child mortality over time from sample registration data. <i>Annals of Applied Statistics</i> , 2022, 16, .	1.1	0
4	Bayesian multiresolution modeling of georeferenced data: An extension of "LatticeKrig". <i>Computational Statistics and Data Analysis</i> , 2022, 173, 107503.	1.2	1
5	Space-time modeling of child mortality at the Admin-2 level in a low and middle income countries context. <i>Statistics in Medicine</i> , 2021, 40, 1593-1638.	1.6	1
6	Harmonizing child mortality data at disparate geographic levels. <i>Statistical Methods in Medical Research</i> , 2021, 30, 1187-1210.	1.5	3
7	Modeling and presentation of vaccination coverage estimates using data from household surveys. <i>Vaccine</i> , 2021, 39, 2584-2594.	3.8	13
8	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> , 2021, 118, .	7.1	10
9	Estimation of health and demographic indicators with incomplete geographic information. <i>Spatial and Spatio-temporal Epidemiology</i> , 2021, 37, 100421.	1.7	3
10	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> , 2021, 24, e25788.	3.0	23
11	Child mortality estimation incorporating summary birth history data. <i>Biometrics</i> , 2021, 77, 1456-1466.	1.4	4
12	Space-time smoothing models for subnational measles routine immunization coverage estimation with complex survey data. <i>Annals of Applied Statistics</i> , 2021, 15, .	1.1	1
13	Pointless spatial modeling. <i>Biostatistics</i> , 2020, 21, e17-e32.	1.5	18
14	Ecological inference for infectious disease data, with application to vaccination strategies. <i>Statistics in Medicine</i> , 2020, 39, 220-238.	1.6	6
15	Trends in Sociodemographic Disparities in Colorectal Cancer Staging and Survival: A SEER "Medicare Analysis. <i>Clinical and Translational Gastroenterology</i> , 2020, 11, e00155.	2.5	14
16	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. <i>Nature</i> , 2019, 574, 353-358.	27.8	161
17	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> , 2019, 14, e0210645.	2.5	48
18	Estimating under-five mortality in space and time in a developing world context. <i>Statistical Methods in Medical Research</i> , 2019, 28, 2614-2634.	1.5	35

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19	Associations between social capital and depression: A study of adult twins. <i>Health and Place</i> , 2018, 50, 162-167.	3.3	33
20	Associations between neighbourhood characteristics and depression: a twin study. <i>Journal of Epidemiology and Community Health</i> , 2018, 72, 202-207.	3.7	23
21	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> , 2018, 67, 1379-1398.	1.0	15
22	Impacts of Neanderthal-Introgressed Sequences on the Landscape of Human Gene Expression. <i>Cell</i> , 2017, 168, 916-927.e12.	28.9	136
23	Introduction to the Design and Analysis of Complex Survey Data. <i>Statistical Science</i> , 2017, 32, .	2.8	20
24	Efficient Data Augmentation for Fitting Stochastic Epidemic Models to Prevalence Data. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 918-929.	1.7	13
25	Seasonality of acquisition of respiratory bacterial pathogens in young children with cystic fibrosis. <i>BMC Infectious Diseases</i> , 2017, 17, 411.	2.9	16
26	Temporal Trends in Geographic and Sociodemographic Disparities in Colorectal Cancer Among Medicare Patients, 1973-2010. <i>Journal of Rural Health</i> , 2017, 33, 361-370.	2.9	21
27	Time Series Modeling of Pathogen-Specific Disease Probabilities with Subsampled Data. <i>Biometrics</i> , 2017, 73, 283-293.	1.4	2
28	Air pollution exposure is associated with MRSA acquisition in young U.S. children with cystic fibrosis. <i>BMC Pulmonary Medicine</i> , 2017, 17, 106.	2.0	30
29	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> , 2016, 13, E59.	3.4	19
30	A Review and Comparison of Age-Period-Cohort Models for Cancer Incidence. <i>Statistical Science</i> , 2016, 31, .	2.8	64
31	Predictive modeling of cholera outbreaks in Bangladesh. <i>Annals of Applied Statistics</i> , 2016, 10, 575-595.	1.1	17
32	Comment: Getting into Space with a Weight Problem. <i>Journal of the American Statistical Association</i> , 2016, 111, 1111-1118.	3.1	5
33	Bayesian penalized spline models for the analysis of spatio-temporal count data. <i>Statistics in Medicine</i> , 2016, 35, 1848-1865.	1.6	30
34	Excavating Neanderthal and Denisovan DNA from the genomes of Melanesian individuals. <i>Science</i> , 2016, 352, 235-239.	12.6	391
35	Restricted Covariance Priors with Applications in Spatial Statistics. <i>Bayesian Analysis</i> , 2015, 10, 965-990.	3.0	5
36	Space-time smoothing of complex survey data: Small area estimation for child mortality. <i>Annals of Applied Statistics</i> , 2015, 9, 1889-1905.	1.1	49

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37	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> , 2015, 178, 1009-1023.	1.1	2
38	Fine Particulate Matter Exposure and Initial <i>Pseudomonas aeruginosa</i> Acquisition in Cystic Fibrosis. <i>Annals of the American Thoracic Society</i> , 2015, 12, 385-391.	3.2	57
39	Africa's Oesophageal Cancer Corridor: Geographic Variations in Incidence Correlate with Certain Micronutrient Deficiencies. <i>PLoS ONE</i> , 2015, 10, e0140107.	2.5	50
40	Evolution and Genetic Architecture of Chromatin Accessibility and Function in Yeast. <i>PLoS Genetics</i> , 2014, 10, e1004427.	3.5	21
41	Heritable variation of mRNA decay rates in yeast. <i>Genome Research</i> , 2014, 24, 2000-2010.	5.5	9
42	Differential Geographical Risk of Initial <i>Pseudomonas aeruginosa</i> Acquisition in Young US Children With Cystic Fibrosis. <i>American Journal of Epidemiology</i> , 2014, 179, 1503-1513.	3.4	22
43	Alleviating Ecological Bias in Poisson Models Using Optimal Subsampling. <i>Sociological Methodology</i> , 2014, 44, 159-184.	2.4	3
44	A comparison of spatial smoothing methods for small area estimation with sampling weights. <i>Spatial Statistics</i> , 2014, 8, 69-85.	1.9	48
45	The use of sampling weights in Bayesian hierarchical models for small area estimation. <i>Spatial and Spatio-temporal Epidemiology</i> , 2014, 11, 33-43.	1.7	52
46	Bayesian and Frequentist Regression Methods. <i>Springer Series in Statistics</i> , 2013, , .	0.9	90
47	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> , 2013, 99, 272-278.	2.9	42
48	Integrative phenomics reveals insight into the structure of phenotypic diversity in budding yeast. <i>Genome Research</i> , 2013, 23, 1496-1504.	5.5	138
49	Bayesian Inference for Two-Phase Studies with Categorical Covariates. <i>Biometrics</i> , 2013, 69, 469-477.	1.4	1
50	An Efficient Markov Chain Monte Carlo Method for Mixture Models by Neighborhood Pruning. <i>Journal of Computational and Graphical Statistics</i> , 2012, 21, 197-216.	1.7	3
51	Commentary: Genome-wide significance thresholds via Bayes factors. <i>International Journal of Epidemiology</i> , 2012, 41, 286-291.	1.9	9
52	Frequentist Inference. <i>Springer Series in Statistics</i> , 2012, , 27-83.	0.9	1
53	Bayesian Inference. <i>Springer Series in Statistics</i> , 2012, , 85-151.	0.9	0
54	Hypothesis Testing and Variable Selection. <i>Springer Series in Statistics</i> , 2012, , 153-191.	0.9	0

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55	Linear Models. Springer Series in Statistics, 2012, , 195-252.	0.9	0
56	General Regression Models. Springer Series in Statistics, 2012, , 253-303.	0.9	0
57	Binary Data Models. Springer Series in Statistics, 2012, , 305-350.	0.9	1
58	Linear Models. Springer Series in Statistics, 2012, , 353-423.	0.9	0
59	General Regression Models. Springer Series in Statistics, 2012, , 425-500.	0.9	0
60	Preliminaries for Nonparametric Regression. Springer Series in Statistics, 2012, , 503-545.	0.9	0
61	Spline and Kernel Methods. Springer Series in Statistics, 2012, , 547-595.	0.9	0
62	Nonparametric Regression with Multiple Predictors. Springer Series in Statistics, 2012, , 597-645.	0.9	1
63	Differentiation of Matrix Expressions. Springer Series in Statistics, 2012, , 649-651.	0.9	0
64	Matrix Results. Springer Series in Statistics, 2012, , 653-654.	0.9	0
65	Some Linear Algebra. Springer Series in Statistics, 2012, , 655-655.	0.9	0
66	Probability Distributions and Generating Functions. Springer Series in Statistics, 2012, , 657-665.	0.9	0
67	Functions of Normal Random Variables. Springer Series in Statistics, 2012, , 667-667.	0.9	0
68	Some Results from Classical Statistics. Springer Series in Statistics, 2012, , 669-671.	0.9	0
69	Basic Large Sample Theory. Springer Series in Statistics, 2012, , 673-674.	0.9	0
70	Introduction and Motivating Examples. Springer Series in Statistics, 2012, , 1-24.	0.9	1
71	Using Prior Information from the Medical Literature in GWAS of Oral Cancer Identifies Novel Susceptibility Variant on Chromosome 4 - the AdAPT Method. PLoS ONE, 2012, 7, e36888.	2.5	17
72	Hand, Foot, and Mouth Disease in China. Epidemiology, 2011, 22, 781-792.	2.7	206

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73	Bayes computation for ecological inference. <i>Statistics in Medicine</i> , 2011, 30, 1381-1396.	1.6	12
74	A powerful and flexible statistical framework for testing hypotheses of allele-specific gene expression from RNA-seq data. <i>Genome Research</i> , 2011, 21, 1728-1737.	5.5	181
75	Ecological inference in the social sciences. <i>Statistical Methodology</i> , 2010, 7, 307-322.	0.5	22
76	Spatial Clustering of Myelodysplastic Syndromes (MDS) in the Seattle-Puget Sound Region of Washington State. <i>Cancer Causes and Control</i> , 2010, 21, 829-838.	1.8	4
77	Bayesian Methods for Examining Hardy-Weinberg Equilibrium. <i>Biometrics</i> , 2010, 66, 257-265.	1.4	32
78	Bayesian inference for generalized linear mixed models. <i>Biostatistics</i> , 2010, 11, 397-412.	1.5	205
79	Bayesian mixture modeling using a hybrid sampler with application to protein subfamily identification. <i>Biostatistics</i> , 2010, 11, 18-33.	1.5	3
80	Patterns of Food and Nutrient Consumption in Northern Iran, a High-Risk Area for Esophageal Cancer. <i>Nutrition and Cancer</i> , 2009, 61, 475-483.	2.0	44
81	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> , 2009, 38, 978-988.	1.9	193
82	Bayes factors for genome-wide association studies: comparison with P -values. <i>Genetic Epidemiology</i> , 2009, 33, 79-86.	1.3	369
83	Comments on "The BUGS project: Evolution, critique and future directions". <i>Statistics in Medicine</i> , 2009, 28, 3079-3080.	1.6	1
84	Multi-level modelling, the ecologic fallacy, and hybrid study designs. <i>International Journal of Epidemiology</i> , 2009, 38, 330-336.	1.9	70
85	Gamma Generalized Linear Models for Pharmacokinetic Data. <i>Biometrics</i> , 2008, 64, 620-626.	1.4	31
86	Reporting and interpretation in genome-wide association studies. <i>International Journal of Epidemiology</i> , 2008, 37, 641-653.	1.9	61
87	Overcoming Ecologic Bias using the Two-Phase Study Design. <i>American Journal of Epidemiology</i> , 2008, 167, 908-916.	3.4	27
88	A hybrid model for reducing ecological bias. <i>Biostatistics</i> , 2008, 9, 1-17.	1.5	22
89	Sequence Variants of <i>NAT1</i> and <i>NAT2</i> and Other Xenometabolic Genes and Risk of Lung and Aerodigestive Tract Cancers in Central Europe. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008, 17, 141-147.	2.5	26
90	A transdimensional Bayesian model for pattern recognition in DNA sequences. <i>Biostatistics</i> , 2008, 9, 668-685.	1.5	5

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91	A Bayesian Measure of the Probability of False Discovery in Genetic Epidemiology Studies. American Journal of Human Genetics, 2007, 81, 208-227.	6.2	440
92	Disease mapping and spatial regression with count data. Biostatistics, 2007, 8, 158-183.	1.5	250
93	Alleviating linear ecological bias and optimal design with subsample data. Journal of the Royal Statistical Society Series A: Statistics in Society, 2007, 171, 071029094155004-???	1.1	18
94	A Bayesian Mixture Model for Partitioning Gene Expression Data. Biometrics, 2006, 62, 515-525.	1.4	18
95	Health-exposure modeling and the ecological fallacy. Biostatistics, 2005, 7, 438-455.	1.5	81
96	Controlling for provider of treatment in the modelling of respiratory disease risk near cokeworks. Statistics in Medicine, 2004, 23, 3139-3158.	1.6	3
97	Ecological inference for 2 x 2 tables. Journal of the Royal Statistical Society Series A: Statistics in Society, 2004, 167, 385-425.	1.1	117
98	Ecological Inference for 2 \tilde{A} - 2 Tables (with Discussion). Journal of the Royal Statistical Society Series A: Statistics in Society, 2004, 167, 385-445.	1.1	23
99	Sensitivity Analyses for Ecological Regression. Biometrics, 2003, 59, 9-17.	1.4	80
100	Geographical epidemiology of prostate cancer in Great Britain. International Journal of Cancer, 2002, 97, 695-699.	5.1	60
101	A Hierarchical Aggregate Data Model with Spatially Correlated Disease Rates. Biometrics, 2002, 58, 898-905.	1.4	10
102	Modelling daily multivariate pollutant data at multiple sites. Journal of the Royal Statistical Society Series C: Applied Statistics, 2002, 51, 351-372.	1.0	75
103	Bayesian analysis of population PK/PD models: general concepts and software. Journal of Pharmacokinetics and Pharmacodynamics, 2002, 29, 271-307.	1.8	137
104	Errors-in-Variables in Joint Population Pharmacokinetic/Pharmacodynamic Modeling. Biometrics, 2001, 57, 803-812.	1.4	20
105	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.	1.1	20
106	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.	1.1	53
107	Issues in the statistical analysis of small area health data. , 1999, 18, 2377-2399.		85
108	Population modelling in drug development. Statistical Methods in Medical Research, 1999, 8, 183-193.	1.5	72

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109	Issues in the statistical analysis of small area health data. <i>Statistics in Medicine</i> , 1999, 18, 2377-2399.	1.6	3
110	The Bayesian approach to Population pharmacokinetic/pharmacodynamic modeling. <i>Lecture Notes in Statistics</i> , 1999, , 205-265.	0.2	26
111	Statistical methods for population pharmacokinetic modelling. <i>Statistical Methods in Medical Research</i> , 1998, 7, 63-84.	1.5	42
112	Bayesian nonparametric population models: formulation and comparison with likelihood approaches. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1997, 25, 235-253.	0.6	16
113	A POPULATION APPROACH TO INITIAL DOSE SELECTION. <i>Statistics in Medicine</i> , 1997, 16, 1135-1149.	1.6	11
114	Bayesian individualization via sampling-based methods. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1996, 24, 103-131.	0.6	55
115	The Bayesian Modeling of Covariates for Population Pharmacokinetic Models. <i>Journal of the American Statistical Association</i> , 1996, 91, 917-927.	3.1	57
116	The Bayesian Analysis of Population Pharmacokinetic Models. <i>Journal of the American Statistical Association</i> , 1996, 91, 62-75.	3.1	146
117	The Bayesian Analysis of Population Pharmacokinetic Models. <i>Journal of the American Statistical Association</i> , 1996, 91, 62.	3.1	37
118	AN APPLICATION OF BAYESIAN POPULATION PHARMACOKINETIC/PHARMACODYNAMIC MODELS TO DOSE RECOMMENDATION. <i>Statistics in Medicine</i> , 1995, 14, 971-986.	1.6	54
119	The hierarchical Bayesian approach to population pharmacokinetic modelling. <i>International Journal of Bio-medical Computing</i> , 1994, 36, 35-42.	0.5	21
120	An Expected Loss Approach to the Design of Dosage Regimens Via Sampling-Based Methods. <i>Journal of the Royal Statistical Society: Series D (the Statistician)</i> , 1994, 43, 13.	0.2	33