Sylvia T Richardson

List of Publications by Year
in descending order

211 papers	16,544 citations	26630 56 h-index	18130 120 g-index
226 all docs	226 docs citations	226 times ranked	20373 citing authors

#	Article	IF	Citations
1	Breast cancer and hormone replacement therapy: collaborative reanalysis of data from 51 epidemiological studies of 52â€˜705 women with breast cancer and 108â€˜411 women without breast cancer. Lancet, The, 1997, 350, 1047-1059.	13.7	2,328
2	On Bayesian Analysis of Mixtures with an Unknown Number of Components (with discussion). Journal of the Royal Statistical Society Series B: Statistical Methodology, 1997, 59, 731-792.	2.2	1,507
3	Modifying the t Test for Assessing the Correlation Between Two Spatial Processes. Biometrics, 1993, 49, 305.	1.4	774
4	Menarche, menopause, and breast cancer risk: individual participant meta-analysis, including 118â€˜964 women with breast cancer from 117 epidemiological studies. Lancet Oncology, The, 2012, 13, 1141-1151.	10.7	753
5	Assessing the Significance of the Correlation between Two Spatial Processes. Biometrics, 1989, 45, 123.	1.4	472
6	Interpreting Posterior Relative Risk Estimates in Disease-Mapping Studies. Environmental Health Perspectives, 2004, 112, 1016-1025.	6.0	405
7	A comparison of Bayesian spatial models for disease mapping. Statistical Methods in Medical Research, 2005, 14, 35-59.	1.5	403
8	Comprehensive Rare Variant Analysis via Whole-Genome Sequencing to Determine the Molecular Pathology of Inherited Retinal Disease. American Journal of Human Genetics, 2017, 100, 75-90.	6.2	343
9	Whole-genome sequencing of patients with rare diseases in a national health system. Nature, 2020, 583, 96-102.	27.8	338
10	Case-mix, care pathways, and outcomes in patients with traumatic brain injury in CENTER-TBI: a European prospective, multicentre, longitudinal, cohort study. Lancet Neurology, The, 2019, 18, 923-934.	10.2	304
11	BASiCS: Bayesian Analysis of Single-Cell Sequencing Data. PLoS Computational Biology, 2015, 11, e1004333.	3.2	264
12	Hidden Markov Models and Disease Mapping. Journal of the American Statistical Association, 2002, 97, 1055-1070.	3.1	253
13	Transcriptional diversity during lineage commitment of human blood progenitors. Science, 2014, 345, 1251033.	12.6	253
14	Risk of adverse birth outcomes in populations living near landfill sites. BMJ: British Medical Journal, 2001, 323, 363-368.	2.3	235
15	Variable selection and Bayesian model averaging in caseâ€control studies. Statistics in Medicine, 2001, 20, 3215-3230.	1.6	224
16	Haplotype and isoform specific expression estimation using multi-mapping RNA-seq reads. Genome Biology, 2011, 12, R13.	9.6	224
17	Modelling Heterogeneity With and Without the Dirichlet Process. Scandinavian Journal of Statistics, 2001, 28, 355-375.	1.4	199
18	Aircraft noise and cardiovascular disease near Heathrow airport in London: small area study. BMJ, The, 2013, 347, f5432-f5432.	6.0	188

#	Article	IF	Citations
19	Replicable and Coupled Changes in Innate and Adaptive Immune Gene Expression in Two Case-Control Studies of Blood Microarrays in Major Depressive Disorder. Biological Psychiatry, 2018, 83, 70-80.	1.3	158
20	Comparison of Relative Risks Obtained in Ecological and Individual Studies: Some Methodological Considerations. International Journal of Epidemiology, 1987, 16, 111-120.	1.9	149
21	Conditional independence models for epidemiological studies with covariate measurement error. Statistics in Medicine, 1993, 12, 1703-1722.	1.6	126
22	A Bayesian Approach to Measurement Error Problems in Epidemiology Using Conditional Independence Models. American Journal of Epidemiology, 1993, 138, 430-442.	3.4	126
23	Evolutionary stochastic search for Bayesian model exploration. Bayesian Analysis, 2010, 5, .	3.0	124
24	Improving ecological inference using individual-level data. Statistics in Medicine, 2006, 25, 2136-2159.	1.6	121
25	A gain-of-function variant in DIAPH1 causes dominant macrothrombocytopenia and hearing loss. Blood, 2016, 127, 2903-2914.	1.4	121
26	Human phenotype ontology annotation and cluster analysis to unravel genetic defects in 707 cases with unexplained bleeding and platelet disorders. Genome Medicine, 2015, 7, 36.	8.2	119
27	Bayesian profile regression with an application to the National survey of children's health. Biostatistics, 2010, 11, 484-498.	1.5	118
28	Machine learning algorithms performed no better than regression models for prognostication in traumatic brain injury. Journal of Clinical Epidemiology, 2020, 122, 95-107.	5.0	117
29	Phenotypic Characterization of <i>EIF2AK4</i> Mutation Carriers in a Large Cohort of Patients Diagnosed Clinically With Pulmonary Arterial Hypertension. Circulation, 2017, 136, 2022-2033.	1.6	111
30	Adjusting for selection bias in retrospective, case-control studies. Biostatistics, 2008, 10, 17-31.	1.5	106
31	Model criticism based on likelihood-free inference, with an application to protein network evolution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10576-10581.	7.1	106
32	Bayesian spatio-temporal analysis of joint patterns of male and female lung cancer risks in Yorkshire (UK). Statistical Methods in Medical Research, 2006, 15, 385-407.	1.5	105
33	Meningococcal Disease and Influenza-like Syndrome: A New Approach to an Old Question. Journal of Infectious Diseases, 1992, 166, 542-545.	4.0	102
34	Spatial variation of natural radiation and childhood leukaemia incidence in Great Britain. Statistics in Medicine, 1995, 14, 2487-2501.	1.6	102
35	Empirical bayes estimates of cancer mortality rates using spatial models. Statistics in Medicine, 1991, 10, 95-112.	1.6	95
36	Spaceâ€"time variability in burglary risk: A Bayesian spatio-temporal modelling approach. Spatial Statistics, 2014, 9, 180-191.	1.9	94

#	Article	IF	Citations
37	Beyond comparisons of means: understanding changes in gene expression at the single-cell level. Genome Biology, 2016, 17, 70.	8.8	90
38	A dominant gain-of-function mutation in universal tyrosine kinase *SRC* causes thrombocytopenia, myelofibrosis, bleeding, and bone pathologies. Science Translational Medicine, 2016, 8, 328ra30.	12.4	87
39	ontologyX: a suite of R packages for working with ontological data. Bioinformatics, 2017, 33, 1104-1106.	4.1	86
40	Bayesian Hierarchical Model for Identifying Changes in Gene Expression from Microarray Experiments. Journal of Computational Biology, 2002, 9, 671-683.	1.6	85
41	Use of Space–Time Models to Investigate the Stability of Patterns of Disease. Environmental Health Perspectives, 2008, 116, 1111-1119.	6.0	85
42	Insight into Genotype-Phenotype Associations through eQTL Mapping in Multiple Cell Types in Health and Immune-Mediated Disease. PLoS Genetics, 2016, 12, e1005908.	3.5	80
43	**PReMiuM**: An *R* Package for Profile Regression Mixture Models Using Dirichlet Processes. Journal of Statistical Software, 2015, 64, 1-30.	3.7	76
44	Short-Term Effects of Sulphur Dioxide Pollution on Mortality in Two French Cities. International Journal of Epidemiology, 1989, 18, 186-197.	1.9	75
45	Statistical Methods in Integrative Genomics. Annual Review of Statistics and Its Application, 2016, 3, 181-209.	7.0	75
46	The RNA landscape of the human placenta in health and disease. Nature Communications, 2021, 12, 2639.	12.8	75
47	JAM: A Scalable Bayesian Framework for Joint Analysis of Marginal SNP Effects. Genetic Epidemiology, 2016, 40, 188-201.	1.3	74
48	Ecological Analysis of Digestive Cancer Mortality Related to Contamination by Diarrhetic Shellfish Poisoning Toxins along the Coasts of France. Environmental Research, 2000, 84, 145-150.	7.5	73
49	Breast cancer risk, nightwork, and circadian clock gene polymorphisms. Endocrine-Related Cancer, 2014, 21, 629-638.	3.1	71
50	Correcting the Mean-Variance Dependency for Differential Variability Testing Using Single-Cell RNA Sequencing Data. Cell Systems, 2018, 7, 284-294.e12.	6.2	71
51	Liposoluble vitamins and lipid parameters in breast cancer. A joint study in northern Italy and southern France. International Journal of Cancer, 1988, 42, 489-494.	5.1	70
52	Bayesian Detection of Expression Quantitative Trait Loci Hot Spots. Genetics, 2011, 189, 1449-1459.	2.9	70
53	Using Likelihood-Free Inference to Compare Evolutionary Dynamics of the Protein Networks of H. pylori and P. falciparum. PLoS Computational Biology, 2007, 3, e230.	3.2	69
54	Association of Sirtuin 1 (*SIRT1*) Gene SNPs and Transcript Expression Levels With Severe Obesity. Obesity, 2012, 20, 178-185.	3.0	68

#	Article	IF	Citations
55	Hierarchical Related Regression for Combining Aggregate and Individual Data in Studies of Socio-Economic Disease Risk Factors. Journal of the Royal Statistical Society Series A: Statistics in Society, 2008, 171, 159-178.	1.1	66
56	A mixture model-based strategy for selecting sets of genes in multiclass response microarray experiments. Bioinformatics, 2004, 20, 2562-2571.	4.1	64
57	Detection of gene copy number changes in CGH microarrays using a spatially correlated mixture model. Bioinformatics, 2006, 22, 911-918.	4.1	63
58	Zinc and copper in breast cancer. A joint study in northern italy and southern france. Cancer, 1991, 67, 738-745.	4.1	61
59	Cancer risks in populations living near landfill sites in Great Britain. British Journal of Cancer, 2002, 86, 1732-1736.	6.4	61
60	HDL-Cholesterol and Breast Cancer: A Joint Study in Northern Italy and Southern France. International Journal of Epidemiology, 1993, 22, 772-780.	1.9	60
61	Modeling Markers of Disease Progression by a Hidden Markov Process: Application to Characterizing CD4 Cell Decline. Biometrics, 2000, 56, 733-741.	1.4	58
62	GUESS-ing Polygenic Associations with Multiple Phenotypes Using a GPU-Based Evolutionary Stochastic Search Algorithm. PLoS Genetics, 2013, 9, e1003657.	3.5	58
63	Equivalence of prospective and retrospective models in the Bayesian analysis of case-control studies. Biometrika, 2004, 91, 15-25.	2.4	57
64	Bayesian Modeling of Differential Gene Expression. Biometrics, 2006, 62, 10-18.	1.4	56
65	New Insights into the Genetic Control of Gene Expression using a Bayesian Multi-tissue Approach. PLoS Computational Biology, 2010, 6, e1000737.	3.2	55
66	Dissection of a Complex Disease Susceptibility Region Using a Bayesian Stochastic Search Approach to Fine Mapping. PLoS Genetics, 2015, 11, e1005272.	3.5	55
67	A hierarchical model for space-time surveillance data on meningococcal disease incidence. Journal of the Royal Statistical Society Series C: Applied Statistics, 2003, 52, 169-183.	1.0	54
68	Pathological Computed Tomography Features Associated With Adverse Outcomes After Mild Traumatic Brain Injury. JAMA Neurology, 2021, 78, 1137.	9.0	53
69	Relationship between vitamin E and polyunsaturated fatty acids in breast cancer. Nutritional and metabolic aspects. Cancer, 1989, 64, 2347-2353.	4.1	51
70	Platelet function is modified by common sequence variation in megakaryocyte super enhancers. Nature Communications, 2017, 8, 16058.	12.8	50
71	Phenotype Similarity Regression for Identifying the Genetic Determinants of Rare Diseases. American Journal of Human Genetics, 2016, 98, 490-499.	6.2	49
72	Alcohol consumption in a case-control study of breast cancer in southern france. International Journal of Cancer, 1989, 44, 84-89.	5.1	48

#	Article	IF	Citations
73	Occupational Risk Factors for Acute Leukaemia: A Case-Control Study. International Journal of Epidemiology, 1992, 21, 1063-1073.	1.9	48
74	BGX: a fully Bayesian integrated approach to the analysis of Affymetrix GeneChip data. Biostatistics, 2005, 6, 349-373.	1.5	48
75	Mixture models in measurement error problems, with reference to epidemiological studies. Journal of the Royal Statistical Society Series A: Statistics in Society, 2002, 165, 549-566.	1.1	47
76	On the variance of the sample correlation between two independent lattice processes. Journal of Applied Probability, 1981, 18, 943-948.	0.7	46
77	Comprehensive Cancer-Predisposition Gene Testing in an Adult Multiple Primary Tumor Series Shows a Broad Range of Deleterious Variants and Atypical Tumor Phenotypes. American Journal of Human Genetics, 2018, 103, 3-18.	6.2	46
78	Comparing the Characteristics of Gene Expression Profiles Derived by Univariate and Multivariate Classification Methods. Statistical Applications in Genetics and Molecular Biology, 2008, 7, Article7.	0.6	45
79	Examining the Joint Effect of Multiple Risk Factors Using Exposure Risk Profiles: Lung Cancer in Nonsmokers. Environmental Health Perspectives, 2011, 119, 84-91.	6.0	45
80	Identifying Vulnerable Populations through an Examination of the Association Between Multipollutant Profiles and Poverty. Environmental Science & Technology, 2011, 45, 7754-7760.	10.0	44
81	Differential coexpression analysis of obesity-associated networks in human subcutaneous adipose tissue. International Journal of Obesity, 2012, 36, 137-147.	3.4	42
82	Lymphoma, multiple myeloma and leukaemia among French farmers in relation to pesticide exposure. Social Science and Medicine, 1993, 37, 771-777.	3.8	41
83	Biases in ecological studies: utility of including within-area distribution of confounders. , 2000, 19, 45-59.		41
84	A Bayesian Model of NMR Spectra for the Deconvolution and Quantification of Metabolites in Complex Biological Mixtures. Journal of the American Statistical Association, 2012, 107, 1259-1271.	3.1	41
85	Bayesian hierarchical models in ecological studies of health-environment effects. Environmetrics, 2003, 14, 129-147.	1.4	40
86	Bayesian graphical models for regression on multiple data sets with different variables. Biostatistics, 2009, 10, 335-351.	1.5	40
87	Fluid balance and outcome in critically ill patients with traumatic brain injury (CENTER-TBI and) Tj ETQq1 1 0.784314 rgBT /Overlock 1 20, 627-638.	10.2	40
88	Geographic density of landfill sites and risk of congenital anomalies in England. Occupational and Environmental Medicine, 2008, 66, 81-89.	2.8	39
89	Bayesian Analysis of Poisson Mixtures. Journal of Nonparametric Statistics, 2002, 14, 181-202.	0.9	37
90	Sampling from Dirichlet process mixture models with unknown concentration parameter: mixing issues in large data implementations. Statistics and Computing, 2015, 25, 1023-1037.	1.5	37

#	Article	IF	Citations
91	De Novo Truncating Mutations in WASF1 Cause Intellectual Disability with Seizures. American Journal of Human Genetics, 2018, 103, 144-153.	6.2	36
92	Antioxidants in Female Breast Cancer Patients. Cancer Investigation, 1991, 9, 421-428.	1.3	35
93	Flexible dose-response models for Japanese atomic bomb survivor data: Bayesian estimation and prediction of cancer risk. Radiation and Environmental Biophysics, 2004, 43, 233-245.	1.4	34
94	Effect of frailty on 6-month outcome after traumatic brain injury: a multicentre cohort study with external validation. Lancet Neurology, The, 2022, 21, 153-162.	10.2	34
95	A time series construction of an alert threshold with application toS. Bovismorbificans in France. Statistics in Medicine, 1991, 10, 1493-1509.	1.6	32
96	BaySTDetect: detecting unusual temporal patterns in small area data via Bayesian model choice. Biostatistics, 2012, 13, 695-710.	1.5	32
97	Exploring Data From Genetic Association Studies Using Bayesian Variable Selection and the Dirichlet Process: Application to Searching for Gene Ã— Gene Patterns. Genetic Epidemiology, 2012, 36, 663-674.	1.3	32
98	Bayesian analysis of case-control studies with categorical covariates. Biometrika, 2001, 88, 1073-1088.	2.4	31
99	A Fast Association Test for Identifying Pathogenic Variants Involved in Rare Diseases. American Journal of Human Genetics, 2017, 101, 104-114.	6.2	31
100	Adjustment for Missing Confounders Using External Validation Data and Propensity Scores. Journal of the American Statistical Association, 2012, 107, 40-51.	3.1	30
101	Acute leukaemia in workers exposed to electromagnetic fields. European Journal of Cancer & Clinical Oncology, 1990, 26, 1119-1120.	0.7	29
102	Childhood leukemia incidence in the vicinity of La Hague nuclear-waste reprocessing facility (France). Cancer Causes and Control, 1993, 4, 341-343.	1.8	29
103	*ESS*++: a C++ objected-oriented algorithm for Bayesian stochastic search model exploration. Bioinformatics, 2011, 27, 587-588.	4.1	29
104	Association of Environmental Insecticide Exposure and Fetal Growth With a Bayesian Model Including Multiple Exposure Sources: The PELAGIE Mother-Child Cohort. American Journal of Epidemiology, 2012, 175, 1182-1190.	3.4	29
105	WWOX tumour suppressor gene polymorphisms and ovarian cancer pathology and prognosis. European Journal of Cancer, 2010, 46, 818-825.	2.8	28
106	Bayesian regression discontinuity designs: incorporating clinical knowledge in the causal analysis of primary care data. Statistics in Medicine, 2015, 34, 2334-2352.	1.6	28
107	Improving local prevalence estimates of SARS-CoV-2 infections using a causal debiasing framework. Nature Microbiology, 2022, 7, 97-107.	13.3	27
108	Identifying Cell Types from Spatially Referenced Single-Cell Expression Datasets. PLoS Computational Biology, 2014, 10, e1003824.	3.2	26

#	Article	IF	Citations
109	Biallelic Mutation of ARHGEF18, Involved in the Determination of Epithelial Apicobasal Polarity, Causes Adult-Onset Retinal Degeneration. American Journal of Human Genetics, 2017, 100, 334-342.	6.2	26
110	Vitesse de convergence du thï¿½orï¿½me de la limite centrale pour des champs faiblement dï¿½pendants. Zeitschrift FÃ¼r Wahrscheinlichkeitstheorie Und Verwandte Gebiete, 1984, 66, 297-314.	0.8	25
111	A Bayesian model of time activity data to investigate health effect of air pollution in time series studies. Atmospheric Environment, 2011, 45, 379-386.	4.1	25
112	MT-HESS: an efficient Bayesian approach for simultaneous association detection in OMICS datasets, with application to eQTL mapping in multiple tissues. Bioinformatics, 2016, 32, 523-532.	4.1	25
113	Simplified Bayesian Sensitivity Analysis for Mismeasured and Unobserved Confounders. Biometrics, 2010, 66, 1129-1137.	1.4	24
114	A semi-parametric approach to estimate risk functions associated with multi-dimensional exposure profiles: application to smoking and lung cancer. BMC Medical Research Methodology, 2013, 13, 129.	3.1	24
115	Principles of Experimental Design for Big Data Analysis. Statistical Science, 2017, 32, 385-404.	2.8	24
116	Stochastic Algorithms for Markov Models Estimation with Intermittent Missing Data. Biometrics, 1999, 55, 565-573.	1.4	22
117	Timing of human immunodeficiency virus type 1 (HIV-1) transmission from mother to child: Bayesian estimation using a mixture. , 1999, 18, 815-833.		22
118	Fully Bayesian Mixture Model for Differential Gene Expression: Simulations and Model Checks. Statistical Applications in Genetics and Molecular Biology, 2007, 6, Article36.	0.6	22
119	Using Statistical Models To Identify Factors That Have a Role in Defining the Abundance of Ions Produced by Tandem MS. Analytical Chemistry, 2007, 79, 5601-5607.	6.5	22
120	MMBGX: a method for estimating expression at the isoform level and detecting differential splicing using whole-transcript Affymetrix arrays. Nucleic Acids Research, 2010, 38, e4-e4.	14.5	22
121	The pattern of risk factors for breast cancer in a southern France population. Interest for a stratified analysis by age at diagnosis. British Journal of Cancer, 1991, 64, 919-925.	6.4	21
122	Tail Posterior Probability for Inference in Pairwise and Multiclass Gene Expression Data. Biometrics, 2007, 63, 1117-1125.	1.4	21
123	Studying place effects on health by synthesising individual and area-level outcomes. Social Science and Medicine, 2008, 67, 1995-2006.	3.8	21
124	Blood Pressure Differences Associated With Optimal Macronutrient Intake Trial for Heart Health (OMNIHEART)â€"Like Diet Compared With a Typical American Diet. Hypertension, 2014, 64, 1198-1204.	2.7	21
125	R2GUESS: A Graphics Processing Unit-Based<i>R</i>Package for Bayesian Variable Selection Regression of Multivariate Responses. Journal of Statistical Software, 2016, 69, .	3.7	21
126	Multidimensional analysis of the effect of occupational exposure to organic solvents on lung cancer risk: the ICARE study. Occupational and Environmental Medicine, 2016, 73, 368-377.	2.8	21

#	Article	IF	Citations
127	Imputation of Ordinal Outcomes: A Comparison of Approaches in Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 455-463.	3.4	21
128	Analysis of disease risks using ancillary risk factors, with application to job–exposure matrices. Statistics in Medicine, 1992, 11, 1443-1463.	1.6	20
129	Accounting for Pregnancy Dependence in Epidemiologic Studies of Reproductive Outcomes. Epidemiology, 1997, 8, 629.	2.7	20
130	Using Bayesian graphical models to model biases in observational studies and to combine multiple sources of data: application to low birth weight and water disinfection by-products. Journal of the Royal Statistical Society Series A: Statistics in Society, 2009, 172, 615-637.	1.1	20
131	Bayesian shared spatial–component models to combine and borrow strength across sparse disease surveillance sources. Biometrical Journal, 2012, 54, 385-404.	1.0	20
132	Weibull regression with Bayesian variable selection to identify prognostic tumour markers of breast cancer survival. Statistical Methods in Medical Research, 2017, 26, 414-436.	1.5	20
133	Bayesian Models for Sparse Regression Analysis of High Dimensional Data*. , 2011, , 539-568.		20
134	Down syndrome in births near landfill sites. Prenatal Diagnosis, 2007, 27, 1191-1196.	2.3	19
135	BGX: a Bioconductor package for the Bayesian integrated analysis of Affymetrix GeneChips. BMC Bioinformatics, 2007, 8, 439.	2.6	19
136	Hierarchical priors for bias parameters in Bayesian sensitivity analysis for unmeasured confounding. Statistics in Medicine, 2012, 31, 383-396.	1.6	19
137	Tracheal intubation in traumatic brain injury: a multicentre prospective observational study. British Journal of Anaesthesia, 2020, 125, 505-517.	3.4	19
138	Ecological bias and confounding. International Journal of Epidemiology, 1990, 19, 764-766.	1.9	18
139	Risk of cancer in the vicinity of municipal solid waste incinerators: importance of using a flexible modelling strategy. International Journal of Health Geographics, 2009, 8, 31.	2.5	18
140	A Bayesian approach to multipoint mapping in nuclear families. Genetic Epidemiology, 1997, 14, 903-908.	1.3	17
141	SOME COMMENTS ON MISSPECIFICATION OF PRIORS IN BAYESIAN MODELLING OF MEASUREMENT ERROR PROBLEMS. , 1997, 16, 203-213.		17
142	Projection of cancer risks from the Japanese atomic bomb survivors to the England and Wales population taking into account uncertainty in risk parameters. Radiation and Environmental Biophysics, 2000, 39, 241-252.	1.4	17
143	Glycomics investigation into insulin action. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 652-668.	2.4	17
144	Inference from ecological models: Estimating the relative risk of stroke from air pollution exposure using small area data. Spatial and Spatio-temporal Epidemiology, 2010, 1, 123-131.	1.7	17

#	Article	IF	Citations
145	Plasma proteome analysis in HTLV-1-associated myelopathy/tropical spastic paraparesis. Retrovirology, 2011, 8, 81.	2.0	17
146	A genome-wide association study of outcome from traumatic brain injury. EBioMedicine, 2022, 77, 103933.	6.1	17
147	Evaluating the No Cold Calling Zones in Peterborough, England: Application of a Novel Statistical Method for Evaluating Neighbourhood Policing Policies. Environment and Planning A, 2013, 45, 2012-2026.	3.6	16
148	Two-pronged Strategy for Using DIC to Compare Selection Models with Non-Ignorable Missing Responses. Bayesian Analysis, 2012, 7, .	3.0	15
149	Modelling the annual risk of tuberculosis infection.. International Journal of Epidemiology, 1997, 26, 190-203.	1.9	14
150	Spatio-temporal patterns of bladder cancer incidence in Utah (1973-2004) and their association with the presence of toxic release inventory sites. International Journal of Health Geographics, 2011, 10, 16.	2.5	14
151	Bayesian Non-Parametric Models for Spatially Indexed Data of Mixed Type. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2015, 77, 973-999.	2.2	14
152	Time varying association between deprivation, ethnicity and SARS-CoV-2 infections in England: A population-based ecological study. Lancet Regional Health - Europe, The, 2022, 15, 100322.	5.6	14
153	Modelling of an Epidemiological Time Series by a Threshold Autoregressive Model. Journal of the Royal Statistical Society: Series D (the Statistician), 1995, 44, 353.	0.2	13
154	Statistical tools for synthesizing lists of differentially expressed features in related experiments. Genome Biology, 2007, 8, R54.	9.6	13
155	Balancing the Robustness and Predictive Performance of Biomarkers. Journal of Computational Biology, 2013, 20, 979-989.	1.6	13
156	A Bayesian partition model for case-control studies on highly polymorphic candidate genes. Genetic Epidemiology, 2002, 22, 356-368.	1.3	12
157	A powerful method for detecting differentially expressed genes from GeneChip arrays that does not require replicates. BMC Bioinformatics, 2006, 7, 353.	2.6	12
158	Bayesian analysis of the multivariate geographical distribution of the socio€economic environment in England. Environmetrics, 2007, 18, 745-758.	1.4	12
159	Protocol for the development of the Wales Multimorbidity e-Cohort (WMC): data sources and methods to construct a population-based research platform to investigate multimorbidity. BMJ Open, 2021, 11, e047101.	1.9	12
160	A method for testing the significance of geographical correlations with application to industrial lung cancer in France. Statistics in Medicine, 1990, 9, 515-528.	1.6	11
161	Discussion on the meeting on 'Statistical modelling and analysis of genetic data'. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2002, 64, 737-775.	2.2	11
162	Medical event profiling of COPD patients. Pharmacoepidemiology and Drug Safety, 2004, 13, 547-555.	1.9	11

#	Article	IF	Citations
163	Adult leukemia and farm practices: An alternative approach for assessing geographical pesticide exposure. Social Science and Medicine, 1991, 32, 1067-1073.	3.8	10
164	sdef: an R package to synthesize lists of significant features in related experiments. BMC Bioinformatics, 2010, 11, 270.	2.6	10
165	Uncovering selection bias in caseâ€"control studies using Bayesian postâ€stratification. Statistics in Medicine, 2013, 32, 2555-2570.	1.6	10
166	The Role of Diet History and Biologic Assays in the Study of Â« Diet and Breast Cancer Â». Tumori, 1990, 76, 321-330.	1.1	9
167	Reply to Robert et al.: Model criticism informs model choice and model comparison. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, .	7.1	9
168	Dynamics of the Risk of Smoking-Induced Lung Cancer. Epidemiology, 2014, 25, 28-34.	2.7	9
169	A three-state Markov model of Plasmodium falciparum parasitemia. Mathematical Biosciences, 1993, 117, 283-300.	1.9	8
170	False Discovery Rate Estimation for Stability Selection: Application to Genome-Wide Association Studies. Statistical Applications in Genetics and Molecular Biology, 2011, 10, .	0.6	8
171	Fast Bayesian Inference in Large Gaussian Graphical Models. Biometrics, 2019, 75, 1288-1298.	1.4	8
172	Using ecological propensity score to adjust for missing confounders in small area studies. Biostatistics, 2019, 20, 1-16.	1.5	8
173	Informed consent procedures in patients with an acute inability to provide informed consent: Policy and practice in the CENTER-TBI study. Journal of Critical Care, 2020, 59, 6-15.	2.2	8
174	A global-local approach for detecting hotspots in multiple-response regression. Annals of Applied Statistics, 2020, 14, 905-928.	1.1	8
175	An informatics consult approach for generating clinical evidence for treatment decisions. BMC Medical Informatics and Decision Making, 2021, 21, 281.	3.0	8
176	Ecological Bias: Use of Maximum-Entropy Approximations. Australian and New Zealand Journal of Statistics, 2004, 46, 233-255.	0.9	6
177	Finding exclusively deleted or amplified genomic areas in lung adenocarcinomas using a novel chromosomal pattern analysis. BMC Medical Genomics, 2009, 2, 43.	1.5	6
178	Ageâ€related changes in murine myometrial transcript profile are mediated by exposure to the female sex hormones. Aging Cell, 2016, 15, 177-180.	6.7	6
179	A two-step method for variable selection in the analysis of a case-cohort study. International Journal of Epidemiology, 2018, 47, 597-604.	1.9	6
180	A Computationally Efficient Bayesian Seemingly Unrelated Regressions Model for High-Dimensional Quantitative Trait Loci Discovery. Journal of the Royal Statistical Society Series C: Applied Statistics, 2021, 70, 886-908.	1.0	6

#	Article	IF	Citations
181	EPISPOT: An epigenome-driven approach for detecting and interpreting hotspots in molecular QTL studies. American Journal of Human Genetics, 2021, 108, 983-1000.	6.2	6
182	A Bayesian analysis of the impact of air pollution episodes on cardio-respiratory hospital admissions in the Greater London area. Statistical Methods in Medical Research, 2011, 20, 69-80.	1.5	5
183	Biases in ecological studies: utility of including within‐area distribution of confounders. Statistics in Medicine, 2000, 19, 45-59.	1.6	5
184	Questionnaires vs Interviews for the Assessment of Global Functional Outcomes After Traumatic Brain Injury. JAMA Network Open, 2021, 4, e2134121.	5.9	5
185	Ecological bias and linear dose response relationship. International Journal of Epidemiology, 1991, 20, 817-818.	1.9	4
186	Epidemiological Studies of Industrial Pollutants: An Introduction. International Statistical Review, 1993, 61, 203.	1.9	4
187	A Bayesian calibration model for combining different pre-processing methods in Affymetrix chips. BMC Bioinformatics, 2008, 9, 512.	2.6	4
188	Exploring dependence between categorical variables: Benefits and limitations of using variable selection within Bayesian clustering in relation to log-linear modelling with interaction terms. Journal of Statistical Planning and Inference, 2016, 173, 47-63.	0.6	4
189	Age at menarche and the risk of operative delivery. Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 411-418.	1.5	4
190	Vitamin E and Tumor Growth. Advances in Experimental Medicine and Biology, 1990, 264, 129-132.	1.6	4
191	The How Matters: Simulation-Based Assessment of the Potential Contributions of Lateral Flow Device Tests for Keeping Schools Open and COVID-Safe in England. , 0, , .		4
192	Interoperability of Statistical Models in Pandemic Preparedness: Principles and Reality. Statistical Science, 2022, 37, .	2.8	4
193	Re: Consumption of Olive Oil and Specific Food groups in Relation to Breast Cancer Risk in Greece. Journal of the National Cancer Institute, 1995, 87, 1020-1022.	6.3	3
194	Identifying cancer sites for human carcinogens in the IARC monographs. Occupational and Environmental Medicine, 2008, 66, 140-140.	2.8	3
195	Impact of Cliff and Ord (1969, 1981) on Spatial Epidemiology. Geographical Analysis, 2009, 41, 444-451.	3.5	3
196	Discussion of 'Gene hunting with hidden Markov model knockoffs'. Biometrika, 2019, 106, 19-22.	2.4	3
197	Drug sensitivity prediction with normal inverse Gaussian shrinkage informed by external data. Biometrical Journal, 2021, 63, 289-304.	1.0	3
198	Bayesian Methods for Microarray Data. , 2008, , 267-295.		2

#	Article	IF	Citations
199	A Bayesian hierarchical analysis to compare classical and atypical scrapie surveillance data; Wales 2002â€"2006. Preventive Veterinary Medicine, 2011, 98, 29-38.	1.9	2
200	A flexible hierarchical framework for improving inference in areaâ€referenced environmental health studies. Biometrical Journal, 2020, 62, 1650-1669.	1.0	2
201	10.1007/978-1-4899-4485-6_22. Time To Knit, 2000, 1, .	0.1	2
202	â€˜Equivalence of prospective and retrospective models in the Bayesian analysis of case-control studiesâ€™. Biometrika, 2005, 92, 505-505.	2.4	1
203	Data Mining Cancer Registries: Retrospective Surveillance of Small Area Time Trends in Cancer Incidence Using BaySTDetect. , 2011, , .		1
204	Application of the Lasso to Expression Quantitative Trait Loci Mapping. Statistical Applications in Genetics and Molecular Biology, 2011, 10, .	0.6	1
205	Classification loss function for parameter ensembles in Bayesian hierarchical models. Statistics and Probability Letters, 2012, 82, 859-863.	0.7	1
206	SOME COMMENTS ON MISSPECIFICATION OF PRIORS IN BAYESIAN MODELLING OF MEASUREMENT ERROR PROBLEMS. Statistics in Medicine, 1997, 16, 203-213.	1.6	1
207	Online appendix for: â€œEvaluating the No Cold Calling zones in Peterborough, England: application of a novel statistical method for evaluating neighbourhood policing policiesâ€. Environment and Planning A, 2014, .	3.6	1
208	Stopping time transformations and towers. Zeitschrift FÃ¼r Wahrscheinlichkeitstheorie Und Verwandte Gebiete, 1979, 48, 259-284.	0.8	0
209	Report of the Council for the session 2003-2004. Journal of the Royal Statistical Society Series A: Statistics in Society, 2004, 167, 669-756.	1.1	0
210	Discussant: Sylvia Richardson. International Statistical Review, 2005, 73, 263-264.	1.9	0
211	MMBGX: a method for estimating expression at the isoform level and detecting differential splicing using whole-transcript Affymetrix arrays. Nucleic Acids Research, 2010, 38, 1413-1413.	14.5	0