

# Raymond J Carroll

## List of Publications by Citations

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257  
papers

13,476  
citations

60  
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111  
g-index

273  
ext. papers

15,100  
ext. citations

2.3  
avg, IF

6.33  
L-index

#	Paper	IF	Citations
257	Measurement Error in Nonlinear Models		1304
256	Transformation and Weighting in Regression <b>1988</b> ,		810
255	Structure of dietary measurement error: results of the OPEN biomarker study. <i>American Journal of Epidemiology</i> , <b>2003</b> , 158, 14-21; discussion 22-6	3.8	579
254	A new statistical method for estimating the usual intake of episodically consumed foods with application to their distribution. <i>Journal of the American Dietetic Association</i> , <b>2006</b> , 106, 1575-87		412
253	A Note on the Efficiency of Sandwich Covariance Matrix Estimation. <i>Journal of the American Statistical Association</i> , <b>2001</b> , 96, 1387-1396	2.8	374
252	Mohs surgery is the treatment of choice for recurrent (previously treated) basal cell carcinoma. <i>The Journal of Dermatologic Surgery and Oncology</i> , <b>1989</b> , 15, 424-31		322
251	A comparison of a food frequency questionnaire with a 24-hour recall for use in an epidemiological cohort study: results from the biomarker-based Observing Protein and Energy Nutrition (OPEN) study. <i>International Journal of Epidemiology</i> , <b>2003</b> , 32, 1054-62	7.8	316
250	Optimal Rates of Convergence for Deconvolving a Density. <i>Journal of the American Statistical Association</i> , <b>1988</b> , 83, 1184-1186	2.8	314
249	Bias in dietary-report instruments and its implications for nutritional epidemiology. <i>Public Health Nutrition</i> , <b>2002</b> , 5, 915-23	3.3	260
248	Estimation in a semiparametric partially linear errors-in-variables model. <i>Annals of Statistics</i> , <b>1999</b> , 27, 1519	3.2	234
247	Empirical evidence of correlated biases in dietary assessment instruments and its implications. <i>American Journal of Epidemiology</i> , <b>2001</b> , 153, 394-403	3.8	223
246	Wavelet-based functional mixed models. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , <b>2006</b> , 68, 179-199	3.9	215
245	Nonparametric Function Estimation for Clustered Data When the Predictor is Measured without/with Error. <i>Journal of the American Statistical Association</i> , <b>2000</b> , 95, 520-534	2.8	206
244	Semiparametric Regression for Clustered Data Using Generalized Estimating Equations. <i>Journal of the American Statistical Association</i> , <b>2001</b> , 96, 1045-1056	2.8	196
243	Approximate Quasi-likelihood Estimation in Models with Surrogate Predictors. <i>Journal of the American Statistical Association</i> , <b>1990</b> , 85, 652-663	2.8	196
242	Conditional scores and optimal scores for generalized linear measurement-error models. <i>Biometrika</i> , <b>1987</b> , 74, 703-716	2	193
241	Modeling data with excess zeros and measurement error: application to evaluating relationships between episodically consumed foods and health outcomes. <i>Biometrics</i> , <b>2009</b> , 65, 1003-10	1.8	184

240	Stochastic Approximation in Monte Carlo Computation. <i>Journal of the American Statistical Association</i> , <b>2007</b> , 102, 305-320	2.8	182
239	Semiparametric maximum likelihood estimation exploiting gene-environment independence in case-control studies. <i>Biometrika</i> , <b>2005</b> , 92, 399-418	2	166
238	Performance of a food-frequency questionnaire in the US NIH-AARP (National Institutes of Health-American Association of Retired Persons) Diet and Health Study. <i>Public Health Nutrition</i> , <b>2008</b> , 11, 183-95	3.3	158
237	On design considerations and randomization-based inference for community intervention trials. <i>Statistics in Medicine</i> , <b>1996</b> , 15, 1069-92	2.3	151
236	Robust Estimation in Heteroscedastic Linear Models. <i>Annals of Statistics</i> , <b>1982</b> , 10, 429	3.2	150
235	Adapting for Heteroscedasticity in Linear Models. <i>Annals of Statistics</i> , <b>1982</b> , 10, 1224	3.2	149
234	Taking advantage of the strengths of 2 different dietary assessment instruments to improve intake estimates for nutritional epidemiology. <i>American Journal of Epidemiology</i> , <b>2012</b> , 175, 340-7	3.8	131
233	Nonparametric estimation and testing of fixed effects panel data models. <i>Journal of Econometrics</i> , <b>2008</b> , 144, 257-275	2.6	131
232	Semiparametric regression during 2003-2007. <i>Electronic Journal of Statistics</i> , <b>2009</b> , 3, 1193-1256	1.2	128
231	A Note on Computing Robust Regression Estimates via Iteratively Reweighted Least Squares. <i>American Statistician</i> , <b>1988</b> , 42, 152-154	5	125
230	A comparison of two dietary instruments for evaluating the fat-breast cancer relationship. <i>International Journal of Epidemiology</i> , <b>2006</b> , 35, 1011-21	7.8	124
229	Theory & Methods: Spatially-adaptive Penalties for Spline Fitting. <i>Australian and New Zealand Journal of Statistics</i> , <b>2000</b> , 42, 205-223	0.7	124
228	DNA microarray experiments: biological and technological aspects. <i>Biometrics</i> , <b>2002</b> , 58, 701-17	1.8	117
227	Bayesian Smoothing and Regression Splines for Measurement Error Problems. <i>Journal of the American Statistical Association</i> , <b>2002</b> , 97, 160-169	2.8	115
226	Efficient Semiparametric Marginal Estimation for Longitudinal/Clustered Data. <i>Journal of the American Statistical Association</i> , <b>2005</b> , 100, 147-157	2.8	113
225	Asymptotics for the SIMEX Estimator in Nonlinear Measurement Error Models. <i>Journal of the American Statistical Association</i> , <b>1996</b> , 91, 242-250	2.8	112
224	Optimal Rates of Convergence for Deconvolving a Density		110
223	Choice of the primary analysis in longitudinal clinical trials. <i>Pharmaceutical Statistics</i> , <b>2004</b> , 3, 161-169	1	104

222	Bias Analysis and SIMEX Approach in Generalized Linear Mixed Measurement Error Models. <i>Journal of the American Statistical Association</i> , <b>1998</b> , 93, 249-261	2.8	104
221	Estimation and variable selection for generalized additive partial linear models. <i>Annals of Statistics</i> , <b>2011</b> , 39,	3.2	94
220	Conditionally Unbiased Bounded-Influence Estimation in General Regression Models, with Applications to Generalized Linear Models. <i>Journal of the American Statistical Association</i> , <b>1989</b> , 84, 460-466	2.8	93
219	Estimation in Partially Linear Models With Missing Covariates. <i>Journal of the American Statistical Association</i> , <b>2004</b> , 99, 357-367	2.8	89
218	Joint modelling of paired sparse functional data using principal components. <i>Biometrika</i> , <b>2008</b> , 95, 601-619	2.8	86
217	Rapid publication-ready MS-Word tables for one-way ANOVA. <i>SpringerPlus</i> , <b>2014</b> , 3, 474		82
216	Flexible parametric measurement error models. <i>Biometrics</i> , <b>1999</b> , 55, 44-54	1.8	82
215	Semiparametric estimation in general repeated measures problems. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , <b>2006</b> , 68, 69-88	3.9	80
214	Local Estimating Equations. <i>Journal of the American Statistical Association</i> , <b>1998</b> , 93, 214-227	2.8	78
213	Bayesian hierarchical spatially correlated functional data analysis with application to colon carcinogenesis. <i>Biometrics</i> , <b>2008</b> , 64, 64-73	1.8	76
212	Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis. <i>Journal of the American Statistical Association</i> , <b>2003</b> , 98, 573-583	2.8	76
211	Efficient regression calibration for logistic regression in main study/internal validation study designs with an imperfect reference instrument. <i>Statistics in Medicine</i> , <b>2001</b> , 20, 139-160	2.3	75
210	A Semiparametric Mixture Approach to Case-Control Studies with Errors in Covariables. <i>Journal of the American Statistical Association</i> , <b>1996</b> , 91, 722-732	2.8	73
209	Parameter Estimation of Partial Differential Equation Models. <i>Journal of the American Statistical Association</i> , <b>2013</b> , 108,	2.8	71
208	More Efficient Local Polynomial Estimation in Nonparametric Regression With Autocorrelated Errors. <i>Journal of the American Statistical Association</i> , <b>2003</b> , 98, 980-992	2.8	68
207	Analysis of case-control studies of genetic and environmental factors with missing genetic information and haplotype-phase ambiguity. <i>Genetic Epidemiology</i> , <b>2005</b> , 29, 108-27	2.6	67
206	A NEW MULTIVARIATE MEASUREMENT ERROR MODEL WITH ZERO-INFLATED DIETARY DATA, AND ITS APPLICATION TO DIETARY ASSESSMENT. <i>Annals of Applied Statistics</i> , <b>2011</b> , 5, 1456-1487	2.1	66
205	Quantile Regression With Measurement Error. <i>Journal of the American Statistical Association</i> , <b>2009</b> , 104, 1129-1143	2.8	66

204	Thyroid disease associated with exposure to the Nevada nuclear weapons test site radiation: a reevaluation based on corrected dosimetry and examination data. <i>Epidemiology</i> , <b>2006</b> , 17, 604-14	3.1	66
203	Semiparametric regression modeling with mixtures of Berkson and classical error, with application to fallout from the Nevada test site. <i>Biometrics</i> , <b>2002</b> , 58, 13-20	1.8	66
202	Nonparametric Function Estimation for Clustered Data When the Predictor is Measured without/with Error		66
201	Approximate Quasi-likelihood Estimation in Models with Surrogate Predictors		64
200	Fast methods for spatially correlated multilevel functional data. <i>Biostatistics</i> , <b>2010</b> , 11, 177-94	3.7	62
199	Marginal Longitudinal Nonparametric Regression. <i>Journal of the American Statistical Association</i> , <b>2002</b> , 97, 482-493	2.8	62
198	Semiparametric estimation of fixed-effects panel data varying coefficient models. <i>Advances in Econometrics</i> , <b>2009</b> , 101-129	0.3	60
197	Selecting the Number of Principal Components in Functional Data. <i>Journal of the American Statistical Association</i> , <b>2013</b> , 108,	2.8	58
196	Spatially Adaptive Bayesian Penalized Splines With Heteroscedastic Errors. <i>Journal of Computational and Graphical Statistics</i> , <b>2007</b> , 16, 265-288	1.4	57
195	Measurement of Active and Sedentary Behavior in Context of Large Epidemiologic Studies. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 266-276	1.2	55
194	Fisher Lecture: the 2002 R. A. Fisher lecture: dedicated to the memory of Shanti S. Gupta. Variances are not always nuisance parameters. <i>Biometrics</i> , <b>2003</b> , 59, 211-20	1.8	55
193	A comparison of regression calibration, moment reconstruction and imputation for adjusting for covariate measurement error in regression. <i>Statistics in Medicine</i> , <b>2008</b> , 27, 5195-216	2.3	53
192	A Two-Sample Test for Equality of Means in High Dimension. <i>Journal of the American Statistical Association</i> , <b>2015</b> , 110, 837-849	2.8	51
191	Multiple imputation in quantile regression. <i>Biometrika</i> , <b>2012</b> , 99, 423-438	2	50
190	Shrinkage Estimators for Robust and Efficient Inference in Haplotype-Based Case-Control Studies. <i>Journal of the American Statistical Association</i> , <b>2009</b> , 104, 220-233	2.8	48
189	Polyphenol-rich sorghum brans alter colon microbiota and impact species diversity and species richness after multiple bouts of dextran sodium sulfate-induced colitis. <i>FEMS Microbiology Ecology</i> , <b>2015</b> , 91,	4.3	47
188	A SIMULTANEOUS CONFIDENCE BAND FOR SPARSE LONGITUDINAL REGRESSION. <i>Statistica Sinica</i> , <b>2012</b> , 22, 95-122	0.7	47
187	Spatially Adaptive Bayesian Penalized Regression Splines (P-splines). <i>Journal of Computational and Graphical Statistics</i> , <b>2005</b> , 14, 378-394	1.4	47

186	Constrained Maximum Likelihood Estimation for Model Calibration Using Summary-level Information from External Big Data Sources. <i>Journal of the American Statistical Association</i> , <b>2016</b> , 111, 107-117	2.8	46
185	Designing studies to estimate the penetrance of an identified autosomal dominant mutation: cohort, case-control, and genotyped-proband designs. <i>Genetic Epidemiology</i> , <b>1999</b> , 16, 15-39	2.6	46
184	Fish oil decreases oxidative DNA damage by enhancing apoptosis in rat colon. <i>Nutrition and Cancer</i> , <b>2005</b> , 52, 166-75	2.8	43
183	The Effect of Estimating Weights in Weighted Least Squares. <i>Journal of the American Statistical Association</i> , <b>1988</b> , 83, 1045-1054	2.8	43
182	Rapid publication-ready MS-Word tables for two-way ANOVA. <i>SpringerPlus</i> , <b>2015</b> , 4, 33		42
181	A new method for dealing with measurement error in explanatory variables of regression models. <i>Biometrics</i> , <b>2004</b> , 60, 172-81	1.8	42
180	Nonlinear and Nonparametric Regression and Instrumental Variables. <i>Journal of the American Statistical Association</i> , <b>2004</b> , 99, 736-750	2.8	40
179	Prediction and Tolerance Intervals With Transformation and/or Weighting. <i>Technometrics</i> , <b>1991</b> , 33, 197-210		39
178	A functional generalized method of moments approach for longitudinal studies with missing responses and covariate measurement error. <i>Biometrika</i> , <b>2012</b> , 99, 151-165	2	38
177	On estimation in binary autologistic spatial models. <i>Journal of Statistical Computation and Simulation</i> , <b>2006</b> , 76, 167-179	0.9	37
176	Comparison of the 60- and 100-item NCI-block questionnaires with validation data. <i>Nutrition and Cancer</i> , <b>1999</b> , 34, 70-5	2.8	37
175	Thyroid Cancer Following Scalp Irradiation: A Reanalysis Accounting for Uncertainty in Dosimetry. <i>Biometrics</i> , <b>2001</b> , 57, 689-697	1.8	36
174	Increased risk of early-stage breast cancer related to consumption of sweet foods among women less than age 45 in the United States. <i>Cancer Causes and Control</i> , <b>2002</b> , 13, 937-46	2.8	35
173	Nonparametric Prediction in Measurement Error Models. <i>Journal of the American Statistical Association</i> , <b>2009</b> , 104, 993-1014	2.8	33
172	SIMEX and standard error estimation in semiparametric measurement error models. <i>Electronic Journal of Statistics</i> , <b>2009</b> , 3, 318-348	1.2	31
171	The Simulation Extrapolation Method for Fitting Generalized Linear Models with Additive Measurement Error. <i>The Stata Journal</i> , <b>2003</b> , 3, 373-385	3.5	31
170	Measurement Error Regression with Unknown Link: Dimension Reduction and Data Visualization. <i>Journal of the American Statistical Association</i> , <b>1992</b> , 87, 1040-1050	2.8	31
169	Low order approximations in deconvolution and regression with errors in variables. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , <b>2004</b> , 66, 31-46	3.9	30

168	Conditional and unconditional categorical regression models with missing covariates. <i>Biometrics</i> , <b>2000</b> , 56, 384-8	1.8	30
167	Impact of uncertainties in exposure assessment on estimates of thyroid cancer risk among Ukrainian children and adolescents exposed from the Chernobyl accident. <i>PLoS ONE</i> , <b>2014</b> , 9, e85723	3.7	30
166	Local Estimating Equations		30
165	Bias Analysis and SIMEX Approach in Generalized Linear Mixed Measurement Error Models		30
164	Functional and Structural Methods with Mixed Measurement Error and Misclassification in Covariates. <i>Journal of the American Statistical Association</i> , <b>2015</b> , 110, 681-696	2.8	29
163	Non-parametric regression estimation from data contaminated by a mixture of Berkson and classical errors. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , <b>2007</b> , 69, 859-878 <sup>3.9</sup>		29
162	Locally Efficient Estimators for Semiparametric Models With Measurement Error. <i>Journal of the American Statistical Association</i> , <b>2006</b> , 101, 1465-1474	2.8	29
161	Shared uncertainty in measurement error problems, with application to Nevada Test Site fallout data. <i>Biometrics</i> , <b>2007</b> , 63, 1226-36	1.8	28
160	A reanalysis of thyroid neoplasms in the Israeli tinea capitis study accounting for dose uncertainties. <i>Radiation Research</i> , <b>2004</b> , 161, 359-68	3.1	28
159	Best Practices for Dietary Supplement Assessment and Estimation of Total Usual Nutrient Intakes in Population-Level Research and Monitoring. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 181-197	4.1	28
158	Identification and Estimation of Nonlinear Models Using Two Samples with Nonclassical Measurement Errors. <i>Journal of Nonparametric Statistics</i> , <b>2010</b> , 22, 379-399	0.7	27
157	Testing in semiparametric models with interaction, with applications to gene-environment interactions. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , <b>2009</b> , 71, 75-96	3.9	27
156	Type I error rates from likelihood-based repeated measures analyses of incomplete longitudinal data. <i>Pharmaceutical Statistics</i> , <b>2004</b> , 3, 171-186	1	27
155	Testing and Estimating Shape-Constrained Nonparametric Density and Regression in the Presence of Measurement Error. <i>Journal of the American Statistical Association</i> , <b>2011</b> , 106, 191-202	2.8	26
154	Seemingly unrelated measurement error models, with application to nutritional epidemiology. <i>Biometrics</i> , <b>2006</b> , 62, 75-84	1.8	26
153	STRATOS guidance document on measurement error and misclassification of variables in observational epidemiology: Part 1-Basic theory and simple methods of adjustment. <i>Statistics in Medicine</i> , <b>2020</b> , 39, 2197-2231	2.3	25
152	Aberrant crypt foci and semiparametric modeling of correlated binary data. <i>Biometrics</i> , <b>2008</b> , 64, 490-500 <sup>0.8</sup>		25
151	Multilevel cross-dependent binary longitudinal data. <i>Biometrics</i> , <b>2013</b> , 69, 903-13	1.8	23

150	Interval Censoring and Marginal Analysis in Ordinal Regression. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , <b>1996</b> , 1, 354	1.9	23
149	Categorical regression analysis of acute exposure to tetrachloroethylene. <i>Risk Analysis</i> , <b>1997</b> , 17, 321-323	3.9	23
148	Spatial measurement error and correction by spatial SIMEX in linear regression models when using predicted air pollution exposures. <i>Biostatistics</i> , <b>2016</b> , 17, 377-89	3.7	22
147	Robust estimation for homoscedastic regression in the secondary analysis of case-control data. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , <b>2013</b> , 75, 185-206	3.9	22
146	Impact of Novel Sorghum Bran Diets on DSS-Induced Colitis. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	22
145	Fitting a bivariate measurement error model for episodically consumed dietary components. <i>International Journal of Biostatistics</i> , <b>2011</b> , 7, 1	1.3	22
144	A new class of measurement-error models, with applications to dietary data. <i>Canadian Journal of Statistics</i> , <b>1998</b> , 26, 467-477	0.4	22
143	Variance Function Partially Linear Single-Index Models. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , <b>2015</b> , 77, 171-194	3.9	21
142	Transformations to Additivity in Measurement Error Models. <i>Biometrics</i> , <b>1997</b> , 53, 262	1.8	21
141	Retrospective analysis of haplotype-based case control studies under a flexible model for gene environment association. <i>Biostatistics</i> , <b>2008</b> , 9, 81-99	3.7	20
140	Haplotype-based regression analysis and inference of case-control studies with unphased genotypes and measurement errors in environmental exposures. <i>Biometrics</i> , <b>2008</b> , 64, 673-684	1.8	20
139	Nonparametric estimation of correlation functions in longitudinal and spatial data, with application to colon carcinogenesis experiments. <i>Annals of Statistics</i> , <b>2007</b> , 35, 1608	3.2	20
138	Measurement Error Regression with Unknown Link: Dimension Reduction and Data Visualization		20
137	A Semiparametric Mixture Approach to Case-Control Studies with Errors in Covariables		20
136	Efficient Estimation of Population-Level Summaries in General Semiparametric Regression Models. <i>Journal of the American Statistical Association</i> , <b>2007</b> , 102, 123-139	2.8	19
135	Optimization Using Stochastic Approximation and Monte Carlo Simulation (with Application to Harvesting of Atlantic Menhaden). <i>Biometrics</i> , <b>1984</b> , 40, 535	1.8	19
134	Statistical issues related to dietary intake as the response variable in intervention trials. <i>Statistics in Medicine</i> , <b>2016</b> , 35, 4493-4508	2.3	19
133	Variance estimation in the analysis of microarray data. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , <b>2009</b> , 71, 425-445	3.9	18



132	Calibration and seasonal adjustment for matched case-control studies of vitamin D and cancer. <i>Statistics in Medicine</i> , <b>2016</b> , 35, 2133-48	2.3	18
131	In vivo regulation of colonic cell proliferation, differentiation, apoptosis, and P27Kip1 by dietary fish oil and butyrate in rats. <i>Cancer Prevention Research</i> , <b>2015</b> , 8, 1076-83	3.2	17
130	Two Wrongs Make a Right: Addressing Underreporting in Binary Data from Multiple Sources. <i>Political Analysis</i> , <b>2017</b> , 25, 223-240	5.3	17
129	Nonparametric additive regression for repeatedly measured data. <i>Biometrika</i> , <b>2009</b> , 96, 383-398	2	17
128	Covariate measurement error adjustment for matched case-control studies. <i>Biometrics</i> , <b>2001</b> , 57, 62-73	1.8	17
127	A Note on Asymmetry and Robustness in Linear Regression. <i>American Statistician</i> , <b>1988</b> , 42, 285-287	5	17
126	Nonparametric variance estimation in the analysis of microarray data: a measurement error approach. <i>Biometrika</i> , <b>2008</b> , 95, 437-449	2	16
125	Semiparametric Bayesian Analysis of Matched Case-Control Studies With Missing Exposure. <i>Journal of the American Statistical Association</i> , <b>2005</b> , 100, 591-601	2.8	16
124	Additive Function-on-Function Regression. <i>Journal of Computational and Graphical Statistics</i> , <b>2018</b> , 27, 234-244	1.4	15
123	Analysis of Case-Control Association Studies: SNPs, Imputation and Haplotypes. <i>Statistical Science</i> , <b>2009</b> , 24, 489-502	2.4	15
122	SIMEX variance component tests in generalized linear mixed measurement error models. <i>Biometrics</i> , <b>1999</b> , 55, 613-9	1.8	15
121	Data integration with high dimensionality. <i>Biometrika</i> , <b>2017</b> , 104, 251-272	2	14
120	Application of a New Statistical Model for Measurement Error to the Evaluation of Dietary Self-report Instruments. <i>Epidemiology</i> , <b>2015</b> , 26, 925-33	3.1	14
119	Semiparametric bayesian analysis of nutritional epidemiology data in the presence of measurement error. <i>Biometrics</i> , <b>2010</b> , 66, 444-54	1.8	14
118	The Simulation Extrapolation Method for Fitting Generalized Linear Models with Additive Measurement Error. <i>The Stata Journal</i> , <b>2003</b> , 3, 373-385	3.5	14
117	Estimation and Inference in Generalized Additive Coefficient Models for Nonlinear Interactions with High-Dimensional Covariates. <i>Annals of Statistics</i> , <b>2015</b> , 43, 2102-2131	3.2	13
116	Methods for estimation of radiation risk in epidemiological studies accounting for classical and Berkson errors in doses. <i>International Journal of Biostatistics</i> , <b>2011</b> , 7, 15	1.3	13
115	Reply to E Archer and SN Blair. <i>Advances in Nutrition</i> , <b>2015</b> , 6, 489	10	12

114	Significance tests for functional data with complex dependence structure. <i>Journal of Statistical Planning and Inference</i> , <b>2015</b> , 156, 1-13	0.8	12
113	Spatial regression with covariate measurement error: A semiparametric approach. <i>Biometrics</i> , <b>2016</b> , 72, 678-86	1.8	12
112	Bayesian Semiparametric Density Deconvolution in the Presence of Conditionally Heteroscedastic Measurement Errors. <i>Journal of Computational and Graphical Statistics</i> , <b>2014</b> , 23, 1101-1125	1.4	12
111	Hierarchical functional data with mixed continuous and binary measurements. <i>Biometrics</i> , <b>2014</b> , 70, 802-18	1.8	12
110	Efficient Semiparametric Marginal Estimation for the Partially Linear Additive Model for Longitudinal/Clustered Data. <i>Statistics in Biosciences</i> , <b>2009</b> , 1, 10-31	1.5	12
109	Genotype-based association mapping of complex diseases: gene-environment interactions with multiple genetic markers and measurement error in environmental exposures. <i>Genetic Epidemiology</i> , <b>2010</b> , 34, 792-802	2.6	12
108	Prediction and Tolerance Intervals With Transformation and/or Weighting		12
107	Parsimonious Model Averaging With a Diverging Number of Parameters. <i>Journal of the American Statistical Association</i> , <b>2020</b> , 115, 972-984	2.8	12
106	Methods to assess an exercise intervention trial based on 3-level functional data. <i>Biostatistics</i> , <b>2015</b> , 16, 754-71	3.7	11
105	STRATOS guidance document on measurement error and misclassification of variables in observational epidemiology: Part 2-More complex methods of adjustment and advanced topics. <i>Statistics in Medicine</i> , <b>2020</b> , 39, 2232-2263	2.3	11
104	A Powerful Bayesian Test for Equality of Means in High Dimensions. <i>Journal of the American Statistical Association</i> , <b>2018</b> , 113, 1733-1741	2.8	11
103	A statistical model for measurement error that incorporates variation over time in the target measure, with application to nutritional epidemiology. <i>Statistics in Medicine</i> , <b>2015</b> , 34, 3590-605	2.3	11
102	Semiparametric regression splines in matched case-control studies. <i>Biometrics</i> , <b>2003</b> , 59, 1158-69	1.8	11
101	Parametric and Nonparametric Methods for Understanding the Relationship Between Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon. <i>Journal of the American Statistical Association</i> , <b>2001</b> , 96, 816-826	2.8	11
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80	Measurement error models with interactions. <i>Biostatistics</i> , <b>2016</b> , 17, 277-90	3.7	6
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75	The Effect of Estimating Weights in Weighted Least Squares		5
74	PCAN: Probabilistic correlation analysis of two non-normal data sets. <i>Biometrics</i> , <b>2016</b> , 72, 1358-1368	1.8	5
73	Bayesian regression analysis of data with random effects covariates from nonlinear longitudinal measurements. <i>Journal of Multivariate Analysis</i> , <b>2016</b> , 143, 94-106	1.4	4
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71	Estimation and inference of error-prone covariate effect in the presence of confounding variables. <i>Electronic Journal of Statistics</i> , <b>2017</b> , 11, 480-501	1.2	4
70	Deconvolution When Classifying Noisy Data Involving Transformations. <i>Journal of the American Statistical Association</i> , <b>2012</b> , 107, 1166-1177	2.8	4
69	Using shared genetic controls in studies of gene-environment interactions. <i>Biometrika</i> , <b>2013</b> , 100, 319-338		4
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66	Analysis of repeated measures data in nutrition research. <i>Frontiers in Bioscience - Landmark</i> , <b>2019</b> , 24, 1377-1389	2.8	4
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64	Estimating varying coefficients for partial differential equation models. <i>Biometrics</i> , <b>2017</b> , 73, 949-959	1.8	3
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62	Hierarchical Bayesian methods for integration of various types of genomics data <b>2012</b> ,		3
61	Identification and estimation of nonlinear models using two samples with nonclassical measurement errors. <i>Journal of Nonparametric Statistics</i> , <b>2010</b> , 22, 419-423	0.7	3

60	Longitudinal functional principal component modeling via Stochastic Approximation Monte Carlo. <i>Canadian Journal of Statistics</i> , <b>2010</b> , 38, 256-270	0.4	3
59	Score tests for familial correlation in genotyped-proband designs. <i>Genetic Epidemiology</i> , <b>2000</b> , 18, 293-306	3.6	3
58	Dietary Intakes of Amino Acids and Other Nutrients by Adult Humans. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1332, 211-227	3.6	3
57	Functional multiple indicators, multiple causes measurement error models. <i>Biometrics</i> , <b>2018</b> , 74, 127-134	4.8	3
56	ON DESIGN CONSIDERATIONS AND RANDOMIZATION-BASED INFERENCE FOR COMMUNITY INTERVENTION TRIALS <b>1996</b> , 15, 1069		3
55	A Semiparametric Single-Index Risk Score Across Populations. <i>Journal of the American Statistical Association</i> , <b>2017</b> , 112, 1648-1662	2.8	2
54	MALMEM: model averaging in linear measurement error models. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , <b>2019</b> , 81, 763-779	3.9	2
53	Correcting for measurement error in fractional polynomial models using Bayesian modelling and regression calibration, with an application to alcohol and mortality. <i>Biometrical Journal</i> , <b>2019</b> , 61, 558-573	1.5	2
52	A semiparametric efficient estimator in case-control studies for gene-environment independent models. <i>Journal of Multivariate Analysis</i> , <b>2019</b> , 173, 38-50	1.4	2
51	A hybrid omnibus test for generalized semiparametric single-index models with high-dimensional covariate sets. <i>Biometrics</i> , <b>2019</b> , 75, 757-767	1.8	2
50	Three-part joint modeling methods for complex functional data mixed with zero-and-one-inflated proportions and zero-inflated continuous outcomes with skewness. <i>Statistics in Medicine</i> , <b>2018</b> , 37, 611-626	2.3	2
49	A Note on Penalized Regression Spline Estimation in the Secondary Analysis of Case-Control Data. <i>Statistics in Biosciences</i> , <b>2013</b> , 5, 250-260	1.5	2
48	Clustering in General Measurement Error Models. <i>Statistica Sinica</i> , <b>2018</b> , 28, 2337-2351	0.7	2
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45	Exact sampling of the unobserved covariates in Bayesian spline models for measurement error problems. <i>Statistics and Computing</i> , <b>2016</b> , 26, 827-840	1.8	1
44	A Review of Statistical Analyses on Physical Activity Data Collected from Accelerometers. <i>Statistics in Biosciences</i> , <b>2019</b> , 11, 465-476	1.5	1
43	Integration of Survival and Binary Data for Variable Selection and Prediction: A Bayesian Approach. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , <b>2019</b> , 68, 1577-1595	1.5	1

42	Frequentist Standard Errors of Bayes Estimators. <i>Computational Statistics</i> , <b>2017</b> , 32, 867-888	1	1
41	Semiparametric analysis of complex polygenic gene-environment interactions in case-control studies. <i>Biometrika</i> , <b>2017</b> , 104, 801-812	2	1
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39	Bayesian Inference and Markov Chain Monte Carlo <b>2010</b> , 1-26		1
38	The Gibbs Sampler <b>2010</b> , 27-57		1
37	Stochastic Approximation Monte Carlo <b>2010</b> , 199-303		1
36	Discussion on "Statistical Issues Arising in the Women's Health Initiative". <i>Biometrics</i> , <b>2005</b> , 61, 911-912	1.8	1
35	Morphodensitometric analysis of protein kinase C $\beta$ expression in rat colon: modulation by diet and relation to in situ cell proliferation and apoptosis. <i>Carcinogenesis</i> , <b>2000</b> , 21, 1513-1519	4.6	1
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33	SiAM: A Hybrid of Single Index Models and Additive Models. <i>Electronic Journal of Statistics</i> , <b>2017</b> , 11, 2397-2423	1.2	1
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30	Sorghum bran varieties differentially influence endogenous antioxidant enzymes to protect against oxidative stress during colon carcinogenesis. <i>FASEB Journal</i> , <b>2008</b> , 22,	0.9	1
29	Estimating disease onset from change points of markers measured with error. <i>Biostatistics</i> , <b>2021</b> , 22, 819-835	3.7	1
28	A fast score test for generalized mixture models. <i>Biometrics</i> , <b>2020</b> , 76, 811-820	1.8	1
27	Feature screening with large-scale and high-dimensional survival data. <i>Biometrics</i> , <b>2021</b> ,	1.8	1
26	Moment reconstruction and moment-adjusted imputation when exposure is generated by a complex, nonlinear random effects modeling process. <i>Biometrics</i> , <b>2016</b> , 72, 1369-1377	1.8	1
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15	Population-Based MCMC Methods <b>2010</b> , 123-163		
14	Dynamic Weighting <b>2010</b> , 165-198		
13	Markov Chain Monte Carlo with Adaptive Proposals <b>2010</b> , 305-325		
12	Comments on: Nonparametric inference with generalized likelihood ratio tests. <i>Test</i> , <b>2007</b> , 16, 456-458	1.1	
11	Fish oil and pectin enhance apoptosis in irradiated rat colonocytes via suppression of PGE synthase-2 and Wnt pathway. <i>FASEB Journal</i> , <b>2006</b> , 20, A993	0.9	
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