Raymond J Carroll

List of Publications by Year in Descending Order

257 papers	**13,476** citations	**60** h-index	**111** g-index
273 ext. papers	**15,100** ext. citations	**2.3** avg, IF	**6.33** L-index

#	Paper	IF	Citations
257	Genetic and immunological contributors to virus-induced paralysis.. *Brain, Behavior, & Immunity - Health*, **2021**, 18, 100395	5.1	1
256	Estimating disease onset from change points of markers measured with error. *Biostatistics*, **2021**, 22, 819-835	3.7	1
255	Bayesian Copula Density Deconvolution for Zero-Inflated Data in Nutritional Epidemiology.. *Journal of the American Statistical Association*, **2021**, 116, 1075-1087	2.8	2
254	Feature screening with large-scale and high-dimensional survival data. *Biometrics*, **2021**,	1.8	1
253	Dietary Intakes of Amino Acids and Other Nutrients by Adult Humans. *Advances in Experimental Medicine and Biology*, **2021**, 1332, 211-227	3.6	3
252	A narrative review of nutrient based indexes to assess diet quality and the proposed total nutrient index that reflects total dietary exposures. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-11	11.5	0
251	STRATOS guidance document on measurement error and misclassification of variables in observational epidemiology: Part 2-More complex methods of adjustment and advanced topics. *Statistics in Medicine*, **2020**, 39, 2232-2263	2.3	11
250	STRATOS guidance document on measurement error and misclassification of variables in observational epidemiology: Part 1-Basic theory and simple methods of adjustment. *Statistics in Medicine*, **2020**, 39, 2197-2231	2.3	25
249	Sparse semiparametric canonical correlation analysis for data of mixed types. *Biometrika*, **2020**, 107, 609-625	2	8
248	A fast score test for generalized mixture models. *Biometrics*, **2020**, 76, 811-820	1.8	1
247	Semiparametric Estimation of the Distribution of Episodically Consumed Foods Measured With Error. *Journal of the American Statistical Association*, **2020**, 1-13	2.8	
246	Parsimonious Model Averaging With a Diverging Number of Parameters. *Journal of the American Statistical Association*, **2020**, 115, 972-984	2.8	12
245	Instrumental variable approach to estimating the scalar-on-function regression model with measurement error with application to energy expenditure assessment in childhood obesity. *Statistics in Medicine*, **2019**, 38, 3764-3781	2.3	3
244	MALMEM: model averaging in linear measurement error models. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2019**, 81, 763-779	3.9	2
243	Correcting for measurement error in fractional polynomial models using Bayesian modelling and regression calibration, with an application to alcohol and mortality. *Biometrical Journal*, **2019**, 61, 558-573	1.5	2
242	A semiparametric efficient estimator in case-control studies for gene-environment independent models. *Journal of Multivariate Analysis*, **2019**, 173, 38-50	1.4	2
241	A hybrid omnibus test for generalized semiparametric single-index models with high-dimensional covariate sets. *Biometrics*, **2019**, 75, 757-767	1.8	2

240	Measurement error correction and sensitivity analysis in longitudinal dietary intervention studies using an external validation study. *Biometrics*, **2019**, 75, 927-937	1.8	4
239	A ROBUST AND EFFICIENT APPROACH TO CAUSAL INFERENCE BASED ON SPARSE SUFFICIENT DIMENSION REDUCTION. *Annals of Statistics*, **2019**, 47, 1505-1535	3.2	10
238	A Review of Statistical Analyses on Physical Activity Data Collected from Accelerometers. *Statistics in Biosciences*, **2019**, 11, 465-476	1.5	1
237	Integration of Survival and Binary Data for Variable Selection and Prediction: A Bayesian Approach. *Journal of the Royal Statistical Society Series C: Applied Statistics*, **2019**, 68, 1577-1595	1.5	1
236	Analysis of repeated measures data in nutrition research. *Frontiers in Bioscience - Landmark*, **2019**, 24, 1377-1389	2.8	4
235	Best Practices for Dietary Supplement Assessment and Estimation of Total Usual Nutrient Intakes in Population-Level Research and Monitoring. *Journal of Nutrition*, **2019**, 149, 181-197	4.1	28
234	Development and Testing of an Integrated Score for Physical Behaviors. *Medicine and Science in Sports and Exercise*, **2019**, 51, 1759-1766	1.2	4
233	Re-evaluating composite scores: Adaptive Lasso variable selection for non-linear models. *Stat*, **2019**, 8, e251	0.7	0
232	Modeling and Prediction of Multiple Correlated Functional Outcomes. *Journal of Agricultural, Biological, and Environmental Statistics*, **2019**, 24, 112-129	1.9	
231	Bayesian Semiparametric Multivariate Density Deconvolution. *Journal of the American Statistical Association*, **2018**, 113, 401-416	2.8	6
230	Additive Function-on-Function Regression. *Journal of Computational and Graphical Statistics*, **2018**, 27, 234-244	1.4	15
229	Three-part joint modeling methods for complex functional data mixed with zero-and-one-inflated proportions and zero-inflated continuous outcomes with skewness. *Statistics in Medicine*, **2018**, 37, 611-626	2.3	2
228	Measurement of Active and Sedentary Behavior in Context of Large Epidemiologic Studies. *Medicine and Science in Sports and Exercise*, **2018**, 50, 266-276	1.2	55
227	A Powerful Bayesian Test for Equality of Means in High Dimensions. *Journal of the American Statistical Association*, **2018**, 113, 1733-1741	2.8	11
226	Dimension reduction and estimation in the secondary analysis of case-control studies. *Electronic Journal of Statistics*, **2018**, 12, 1782-1821	1.2	
225	Clustering in General Measurement Error Models. *Statistica Sinica*, **2018**, 28, 2337-2351	0.7	2
224	Testing for gene-environment interaction under exposure misspecification. *Biometrics*, **2018**, 74, 653-662	1.8	9
223	Functional multiple indicators, multiple causes measurement error models. *Biometrics*, **2018**, 74, 127-134	1.8	3

222	Categorizing a continuous predictor subject to measurement error. *Electronic Journal of Statistics*, **2018**, 12, 4032-4056	1.2	1
221	PLMET: A Novel Pseudolikelihood-Based EM Test for Homogeneity in Generalilzed Exponential Tilt Mixture Models. *Journal of the American Statistical Association*, **2017**, 112, 1393-1404	2.8	6
220	A Semiparametric Single-Index Risk Score Across Populations. *Journal of the American Statistical Association*, **2017**, 112, 1648-1662	2.8	2
219	Estimating varying coefficients for partial differential equation models. *Biometrics*, **2017**, 73, 949-959	1.8	3
218	A joint modeling and estimation method for multivariate longitudinal data with mixed types of responses to analyze physical activity data generated by accelerometers. *Statistics in Medicine*, **2017**, 36, 4028-4040	2.3	5
217	Estimation and inference of error-prone covariate effect in the presence of confounding variables. *Electronic Journal of Statistics*, **2017**, 11, 480-501	1.2	4
216	On the impact of model selection on predictor identification and parameter inference. *Computational Statistics*, **2017**, 32, 667-690	1	6
215	Frequentist Standard Errors of Bayes Estimators. *Computational Statistics*, **2017**, 32, 867-888	1	1
214	An Evaluation of Accelerometer-derived Metrics to Assess Daily Behavioral Patterns. *Medicine and Science in Sports and Exercise*, **2017**, 49, 54-63	1.2	10
213	Inference in a survival cure model with mismeasured covariates using a simulation-extrapolation approach. *Biometrika*, **2017**, 104, 31-50	2	9
212	Two Wrongs Make a Right: Addressing Underreporting in Binary Data from Multiple Sources. *Political Analysis*, **2017**, 25, 223-240	5.3	17
211	Linear Model Selection when Covariates Contain Errors. *Journal of the American Statistical Association*, **2017**, 112, 1553-1561	2.8	7
210	Data integration with high dimensionality. *Biometrika*, **2017**, 104, 251-272	2	14
209	Semiparametric analysis of complex polygenic gene-environment interactions in case-control studies. *Biometrika*, **2017**, 104, 801-812	2	1
208	Impact of Novel Sorghum Bran Diets on DSS-Induced Colitis. *Nutrients*, **2017**, 9,	6.7	22
207	SiAM: A Hybrid of Single Index Models and Additive Models. *Electronic Journal of Statistics*, **2017**, 11, 2397-2423	1.2	1
206	Bayesian regression analysis of data with random effects covariates from nonlinear longitudinal measurements. *Journal of Multivariate Analysis*, **2016**, 143, 94-106	1.4	4
205	Spatial regression with covariate measurement error: A semiparametric approach. *Biometrics*, **2016**, 72, 678-86	1.8	12

204	Spatial measurement error and correction by spatial SIMEX in linear regression models when using predicted air pollution exposures. *Biostatistics*, **2016**, 17, 377-89	3.7	22
203	Constrained Maximum Likelihood Estimation for Model Calibration Using Summary-level Information from External Big Data Sources. *Journal of the American Statistical Association*, **2016**, 111, 107-117	2.8	46
202	Exact sampling of the unobserved covariates in Bayesian spline models for measurement error problems. *Statistics and Computing*, **2016**, 26, 827-840	1.8	1
201	Measurement error models with interactions. *Biostatistics*, **2016**, 17, 277-90	3.7	6
200	Statistical issues related to dietary intake as the response variable in intervention trials. *Statistics in Medicine*, **2016**, 35, 4493-4508	2.3	19
199	Calibration and seasonal adjustment for matched case-control studies of vitamin D and cancer. *Statistics in Medicine*, **2016**, 35, 2133-48	2.3	18
198	Moment reconstruction and moment-adjusted imputation when exposure is generated by a complex, nonlinear random effects modeling process. *Biometrics*, **2016**, 72, 1369-1377	1.8	1
197	PCAN: Probabilistic correlation analysis of two non-normal data sets. *Biometrics*, **2016**, 72, 1358-1368	1.8	5
196	Exposure Enriched Case-Control (EECC) Design for the Assessment of Gene-Environment Interaction. *Genetic Epidemiology*, **2016**, 40, 570-578	2.6	1
195	Methods to Assess Measurement Error in Questionnaires of Sedentary Behavior. *Journal of Applied Statistics*, **2016**, 43, 1706-1721	1	2
194	The impact of stratification by implausible energy reporting status on estimates of diet-health relationships. *Biometrical Journal*, **2016**, 58, 1538-1551	1.5	10
193	Longitudinal functional additive model with continuous proportional outcomes for physical activity data. *Stat*, **2016**, 5, 242-250	0.7	
192	A bivariate measurement error model for semicontinuous and continuous variables: Application to nutritional epidemiology. *Biometrics*, **2016**, 72, 106-15	1.8	9
191	Semiparametric Estimation in the Secondary Analysis of Case-Control Studies. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2016**, 78, 127-151	3.9	10
190	Rapid publication-ready MS-Word tables for two-way ANOVA. *SpringerPlus*, **2015**, 4, 33		42
189	Methods to assess an exercise intervention trial based on 3-level functional data. *Biostatistics*, **2015**, 16, 754-71	3.7	11
188	Polyphenol-rich sorghum brans alter colon microbiota and impact species diversity and species richness after multiple bouts of dextran sodium sulfate-induced colitis. *FEMS Microbiology Ecology*, **2015**, 91,	4.3	47
187	Sparse Regression by Projection and Sparse Discriminant Analysis. *Journal of Computational and Graphical Statistics*, **2015**, 24, 416-438	1.4	5

186	On the selection of ordinary differential equation models with application to predator-prey dynamical models. *Biometrics*, **2015**, 71, 131-138	1.8	10
185	In vivo regulation of colonic cell proliferation, differentiation, apoptosis, and P27Kip1 by dietary fish oil and butyrate in rats. *Cancer Prevention Research*, **2015**, 8, 1076-83	3.2	17
184	Reply to E Archer and SN Blair. *Advances in Nutrition*, **2015**, 6, 489	10	12
183	Variance Function Partially Linear Single-Index Models. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2015**, 77, 171-194	3.9	21
182	Significance tests for functional data with complex dependence structure. *Journal of Statistical Planning and Inference*, **2015**, 156, 1-13	0.8	12
181	Estimation and Inference in Generalized Additive Coefficient Models for Nonlinear Interactions with High-Dimensional Covariates. *Annals of Statistics*, **2015**, 43, 2102-2131	3.2	13
180	A statistical model for measurement error that incorporates variation over time in the target measure, with application to nutritional epidemiology. *Statistics in Medicine*, **2015**, 34, 3590-605	2.3	11
179	Application of a New Statistical Model for Measurement Error to the Evaluation of Dietary Self-report Instruments. *Epidemiology*, **2015**, 26, 925-33	3.1	14
178	The direct integral method for confidence intervals for the ratio of two location parameters. *Biometrics*, **2015**, 71, 704-13	1.8	1
177	A Two-Sample Test for Equality of Means in High Dimension. *Journal of the American Statistical Association*, **2015**, 110, 837-849	2.8	51
176	Functional and Structural Methods with Mixed Measurement Error and Misclassification in Covariates. *Journal of the American Statistical Association*, **2015**, 110, 681-696	2.8	29
175	Rapid publication-ready MS-Word tables for one-way ANOVA. *SpringerPlus*, **2014**, 3, 474		82
174	Multiple indicators, multiple causes measurement error models. *Statistics in Medicine*, **2014**, 33, 4469-81	2.3	7
173	Bayesian Semiparametric Density Deconvolution in the Presence of Conditionally Heteroscedastic Measurement Errors. *Journal of Computational and Graphical Statistics*, **2014**, 23, 1101-1125	1.4	12
172	Bayesian semiparametric regression in the presence of conditionally heteroscedastic measurement and regression errors. *Biometrics*, **2014**, 70, 823-34	1.8	5
171	Hierarchical functional data with mixed continuous and binary measurements. *Biometrics*, **2014**, 70, 802-13	1.8	12
170	Impact of uncertainties in exposure assessment on estimates of thyroid cancer risk among Ukrainian children and adolescents exposed from the Chernobyl accident. *PLoS ONE*, **2014**, 9, e85723	3.7	30
169	Personal reflections on the COPSS Presidents Award **2014**, 571-579		0

168	Parameter Estimation of Partial Differential Equation Models. *Journal of the American Statistical Association*, **2013**, 108,	2.8	71
167	A Note on Penalized Regression Spline Estimation in the Secondary Analysis of Case-Control Data. *Statistics in Biosciences*, **2013**, 5, 250-260	1.5	2
166	Robust estimation for homoscedastic regression in the secondary analysis of case-control data. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2013**, 75, 185-206	3.9	22
165	Selecting the Number of Principal Components in Functional Data. *Journal of the American Statistical Association*, **2013**, 108,	2.8	58
164	UNEXPECTED PROPERTIES OF BANDWIDTH CHOICE WHEN SMOOTHING DISCRETE DATA FOR CONSTRUCTING A FUNCTIONAL DATA CLASSIFIER. *Annals of Statistics*, **2013**, 41, 2739-2767	3.2	7
163	Using shared genetic controls in studies of gene-environment interactions. *Biometrika*, **2013**, 100, 319-338	3.8	4
162	Multilevel cross-dependent binary longitudinal data. *Biometrics*, **2013**, 69, 903-13	1.8	23
161	Deconvolution When Classifying Noisy Data Involving Transformations. *Journal of the American Statistical Association*, **2012**, 107, 1166-1177	2.8	4
160	Hierarchical Bayesian methods for integration of various types of genomics data **2012**,		3
159	A functional generalized method of moments approach for longitudinal studies with missing responses and covariate measurement error. *Biometrika*, **2012**, 99, 151-165	2	38
158	Taking advantage of the strengths of 2 different dietary assessment instruments to improve intake estimates for nutritional epidemiology. *American Journal of Epidemiology*, **2012**, 175, 340-7	3.8	131
157	A SIMULTANEOUS CONFIDENCE BAND FOR SPARSE LONGITUDINAL REGRESSION. *Statistica Sinica*, **2012**, 22, 95-122	0.7	47
156	Multiple imputation in quantile regression. *Biometrika*, **2012**, 99, 423-438	2	50
155	Combining self-report dietary assessment instruments to reduce the effects of measurement error. *FASEB Journal*, **2012**, 26, 129.1	0.9	
154	Suppression of early colon cancer lesions by apigenin and naringenin is in part due to their downregulation of p21, TLR-4, and MCT-1 expression. *FASEB Journal*, **2012**, 26, 1023.2	0.9	
153	Fitting a bivariate measurement error model for episodically consumed dietary components. *International Journal of Biostatistics*, **2011**, 7, 1	1.3	22
152	A NEW MULTIVARIATE MEASUREMENT ERROR MODEL WITH ZERO-INFLATED DIETARY DATA, AND ITS APPLICATION TO DIETARY ASSESSMENT. *Annals of Applied Statistics*, **2011**, 5, 1456-1487	2.1	66
151	Estimation and variable selection for generalized additive partial linear models. *Annals of Statistics*, **2011**, 39,	3.2	94

150	Density Estimation in Several Populations With Uncertain Population Membership. *Journal of the American Statistical Association*, **2011**, 106, 1180-1192	2.8	4
149	Methods for estimation of radiation risk in epidemiological studies accounting for classical and Berkson errors in doses. *International Journal of Biostatistics*, **2011**, 7, 15	1.3	13
148	Testing and Estimating Shape-Constrained Nonparametric Density and Regression in the Presence of Measurement Error. *Journal of the American Statistical Association*, **2011**, 106, 191-202	2.8	26
147	Semiparametric Bayesian analysis of gene-environment interactions with error in measurement of environmental covariates and missing genetic data. *Statistics and Its Interface*, **2011**, 4, 305-316	0.4	9
146	ESTIMATION AND VARIABLE SELECTION FOR GENERALIZED ADDITIVE PARTIAL LINEAR MODELS. *Annals of Statistics*, **2011**, 39, 1827-1851	3.2	7
145	Semiparametric bayesian analysis of nutritional epidemiology data in the presence of measurement error. *Biometrics*, **2010**, 66, 444-54	1.8	14
144	Fast methods for spatially correlated multilevel functional data. *Biostatistics*, **2010**, 11, 177-94	3.7	62
143	Identification and Estimation of Nonlinear Models Using Two Samples with Nonclassical Measurement Errors. *Journal of Nonparametric Statistics*, **2010**, 22, 379-399	0.7	27
142	Identification and estimation of nonlinear models using two samples with nonclassical measurement errors. *Journal of Nonparametric Statistics*, **2010**, 22, 419-423	0.7	3
141	Longitudinal functional principal component modeling via Stochastic Approximation Monte Carlo. *Canadian Journal of Statistics*, **2010**, 38, 256-270	0.4	3
140	Genotype-based association mapping of complex diseases: gene-environment interactions with multiple genetic markers and measurement error in environmental exposures. *Genetic Epidemiology*, **2010**, 34, 792-802	2.6	12
139	Bayesian Inference and Markov Chain Monte Carlo **2010**, 1-26		1
138	The Gibbs Sampler **2010**, 27-57		1
137	The Metropolis-Hastings Algorithm **2010**, 59-84		
136	Auxiliary Variable MCMC Methods **2010**, 85-122		
135	Population-Based MCMC Methods **2010**, 123-163		
134	Dynamic Weighting **2010**, 165-198		
133	Stochastic Approximation Monte Carlo **2010**, 199-303		1

132	Markov Chain Monte Carlo with Adaptive Proposals **2010**, 305-325		
131	Analysis of Case-Control Association Studies: SNPs, Imputation and Haplotypes. *Statistical Science*, **2009**, 24, 489-502	2.4	15
130	Nonparametric Prediction in Measurement Error Models. *Journal of the American Statistical Association*, **2009**, 104, 993-1014	2.8	33
129	Semiparametric estimation of fixed-effects panel data varying coefficient models. *Advances in Econometrics*, **2009**, 101-129	0.3	60
128	Shrinkage Estimators for Robust and Efficient Inference in Haplotype-Based Case-Control Studies. *Journal of the American Statistical Association*, **2009**, 104, 220-233	2.8	48
127	Nonparametric additive regression for repeatedly measured data. *Biometrika*, **2009**, 96, 383-398	2	17
126	Efficient Semiparametric Marginal Estimation for the Partially Linear Additive Model for Longitudinal/Clustered Data. *Statistics in Biosciences*, **2009**, 1, 10-31	1.5	12
125	Modeling data with excess zeros and measurement error: application to evaluating relationships between episodically consumed foods and health outcomes. *Biometrics*, **2009**, 65, 1003-10	1.8	184
124	Testing in semiparametric models with interaction, with applications to gene-environment interactions. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2009**, 71, 75-96	3.9	27
123	Variance estimation in the analysis of microarray data. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2009**, 71, 425-445	3.9	18
122	Quantile Regression With Measurement Error. *Journal of the American Statistical Association*, **2009**, 104, 1129-1143	2.8	66
121	Why do we observe misclassification errors smaller than the Bayes error?. *Journal of Statistical Computation and Simulation*, **2009**, 79, 717-722	0.9	0
120	SIMEX and standard error estimation in semiparametric measurement error models. *Electronic Journal of Statistics*, **2009**, 3, 318-348	1.2	31
119	Semiparametric regression during 2003-2007. *Electronic Journal of Statistics*, **2009**, 3, 1193-1256	1.2	128
118	Dietary lipid source alters quercetin effects on antioxidant enzyme/phase I and II gene expression in rat colon. *FASEB Journal*, **2009**, 23, 897.5	0.9	
117	A fish oil/pectin diet suppresses radiation-enhanced colon carcinogenesis via down-regulation of the ß-catenin signaling pathway. *FASEB Journal*, **2009**, 23, 897.6	0.9	
116	Chemoprotective fish oil/pectin diets temporally alter gene expression profiles in exfoliated colonocytes. *FASEB Journal*, **2009**, 23, 222.2	0.9	
115	Performance of a food-frequency questionnaire in the US NIH-AARP (National Institutes of Health-American Association of Retired Persons) Diet and Health Study. *Public Health Nutrition*, **2008**, 11, 183-95	3.3	158

114	Joint modelling of paired sparse functional data using principal components. *Biometrika*, **2008**, 95, 601-619	2	86
113	Nonparametric variance estimation in the analysis of microarray data: a measurement error approach. *Biometrika*, **2008**, 95, 437-449	2	16
112	Retrospective analysis of haplotype-based case control studies under a flexible model for gene environment association. *Biostatistics*, **2008**, 9, 81-99	3.7	20
111	A comparison of regression calibration, moment reconstruction and imputation for adjusting for covariate measurement error in regression. *Statistics in Medicine*, **2008**, 27, 5195-216	2.3	53
110	Nonparametric estimation and testing of fixed effects panel data models. *Journal of Econometrics*, **2008**, 144, 257-275	2.6	131
109	Bayesian hierarchical spatially correlated functional data analysis with application to colon carcinogenesis. *Biometrics*, **2008**, 64, 64-73	1.8	76
108	Aberrant crypt foci and semiparametric modeling of correlated binary data. *Biometrics*, **2008**, 64, 490-500	1.8	25
107	Haplotype-based regression analysis and inference of case-control studies with unphased genotypes and measurement errors in environmental exposures. *Biometrics*, **2008**, 64, 673-684	1.8	20
106	Fish oil and pectin may suppress colon carcinogenesis via inhibition of the MAPK and TGFβ pathways. *FASEB Journal*, **2008**, 22, 885.8	0.9	
105	Sorghum bran varieties differentially influence endogenous antioxidant enzymes to protect against oxidative stress during colon carcinogenesis. *FASEB Journal*, **2008**, 22,	0.9	1
104	A fish oil/pectin diet beneficially altered gene profiles during radiation-enhanced colon carcinogenesis. *FASEB Journal*, **2008**, 22, 885.9	0.9	
103	Stochastic Approximation in Monte Carlo Computation. *Journal of the American Statistical Association*, **2007**, 102, 305-320	2.8	182
102	Non-parametric regression estimation from data contaminated by a mixture of Berkson and classical errors. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2007**, 69, 859-878	3.9	29
101	Shared uncertainty in measurement error problems, with application to Nevada Test Site fallout data. *Biometrics*, **2007**, 63, 1226-36	1.8	28
100	Comments on: Nonparametric inference with generalized likelihood ratio tests. *Test*, **2007**, 16, 456-458	1.1	
99	Nonparametric estimation of correlation functions in longitudinal and spatial data, with application to colon carcinogenesis experiments. *Annals of Statistics*, **2007**, 35, 1608	3.2	20
98	Spatially Adaptive Bayesian Penalized Splines With Heteroscedastic Errors. *Journal of Computational and Graphical Statistics*, **2007**, 16, 265-288	1.4	57
97	Efficient Estimation of Population-Level Summaries in General Semiparametric Regression Models. *Journal of the American Statistical Association*, **2007**, 102, 123-139	2.8	19

96	The Hanford Thyroid Disease Study: an alternative view of the findings. *Health Physics*, **2007**, 92, 99-111	2.3	8
95	A new statistical method for estimating the usual intake of episodically consumed foods with application to their distribution. *Journal of the American Dietetic Association*, **2006**, 106, 1575-87		412
94	Thyroid disease associated with exposure to the Nevada nuclear weapons test site radiation: a reevaluation based on corrected dosimetry and examination data. *Epidemiology*, **2006**, 17, 604-14	3.1	66
93	A comparison of two dietary instruments for evaluating the fat-breast cancer relationship. *International Journal of Epidemiology*, **2006**, 35, 1011-21	7.8	124
92	On estimation in binary autologistic spatial models. *Journal of Statistical Computation and Simulation*, **2006**, 76, 167-179	0.9	37
91	Locally Efficient Estimators for Semiparametric Models With Measurement Error. *Journal of the American Statistical Association*, **2006**, 101, 1465-1474	2.8	29
90	Semiparametric estimation in general repeated measures problems. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2006**, 68, 69-88	3.9	80
89	Wavelet-based functional mixed models. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2006**, 68, 179-199	3.9	215
88	Seemingly unrelated measurement error models, with application to nutritional epidemiology. *Biometrics*, **2006**, 62, 75-84	1.8	26
87	Fish oil and pectin enhance apoptosis in irradiated rat colonocytes via suppression of PGE synthase-2 and Wnt pathway. *FASEB Journal*, **2006**, 20, A993	0.9	
86	Efficient Semiparametric Marginal Estimation for Longitudinal/Clustered Data. *Journal of the American Statistical Association*, **2005**, 100, 147-157	2.8	113
85	Semiparametric Bayesian Analysis of Matched Case-Control Studies With Missing Exposure. *Journal of the American Statistical Association*, **2005**, 100, 591-601	2.8	16
84	Semiparametric maximum likelihood estimation exploiting gene-environment independence in case-control studies. *Biometrika*, **2005**, 92, 399-418	2	166
83	Spatially Adaptive Bayesian Penalized Regression Splines (P-splines). *Journal of Computational and Graphical Statistics*, **2005**, 14, 378-394	1.4	47
82	Discussion on "Statistical Issues Arising in the Women's Health Initiative". *Biometrics*, **2005**, 61, 911-912	1.8	1
81	Analysis of case-control studies of genetic and environmental factors with missing genetic information and haplotype-phase ambiguity. *Genetic Epidemiology*, **2005**, 29, 108-27	2.6	67
80	Fish oil decreases oxidative DNA damage by enhancing apoptosis in rat colon. *Nutrition and Cancer*, **2005**, 52, 166-75	2.8	43
79	A reanalysis of thyroid neoplasms in the Israeli tinea capitis study accounting for dose uncertainties. *Radiation Research*, **2004**, 161, 359-68	3.1	28

78	Estimation in Partially Linear Models With Missing Covariates. *Journal of the American Statistical Association*, **2004**, 99, 357-367	2.8	89
77	Nonlinear and Nonparametric Regression and Instrumental Variables. *Journal of the American Statistical Association*, **2004**, 99, 736-750	2.8	40
76	Low order approximations in deconvolution and regression with errors in variables. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2004**, 66, 31-46	3.9	30
75	A new method for dealing with measurement error in explanatory variables of regression models. *Biometrics*, **2004**, 60, 172-81	1.8	42
74	Choice of the primary analysis in longitudinal clinical trials. *Pharmaceutical Statistics*, **2004**, 3, 161-169	1	104
73	Type I error rates from likelihood-based repeated measures analyses of incomplete longitudinal data. *Pharmaceutical Statistics*, **2004**, 3, 171-186	1	27
72	Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis. *Journal of the American Statistical Association*, **2003**, 98, 573-583	2.8	76
71	The Simulation Extrapolation Method for Fitting Generalized Linear Models with Additive Measurement Error. *The Stata Journal*, **2003**, 3, 373-385	3.5	31
70	Fisher Lecture: the 2002 R. A. Fisher lecture: dedicated to the memory of Shanti S. Gupta. Variances are not always nuisance parameters. *Biometrics*, **2003**, 59, 211-20	1.8	55
69	Testing for spatial correlation in nonstationary binary data, with application to aberrant crypt foci in colon carcinogenesis. *Biometrics*, **2003**, 59, 752-61	1.8	9
68	Semiparametric regression splines in matched case-control studies. *Biometrics*, **2003**, 59, 1158-69	1.8	11
67	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. *International Journal of Epidemiology*, **2003**, 32, 1054-62	7.8	316
66	Structure of dietary measurement error: results of the OPEN biomarker study. *American Journal of Epidemiology*, **2003**, 158, 14-21; discussion 22-6	3.8	579
65	More Efficient Local Polynomial Estimation in Nonparametric Regression With Autocorrelated Errors. *Journal of the American Statistical Association*, **2003**, 98, 980-992	2.8	68
64	The Simulation Extrapolation Method for Fitting Generalized Linear Models with Additive Measurement Error. *The Stata Journal*, **2003**, 3, 373-385	3.5	14
63	Semiparametric regression modeling with mixtures of Berkson and classical error, with application to fallout from the Nevada test site. *Biometrics*, **2002**, 58, 13-20	1.8	66
62	DNA microarray experiments: biological and technological aspects. *Biometrics*, **2002**, 58, 701-17	1.8	117
61	Increased risk of early-stage breast cancer related to consumption of sweet foods among women less than age 45 in the United States. *Cancer Causes and Control*, **2002**, 13, 937-46	2.8	35

60	Bias in dietary-report instruments and its implications for nutritional epidemiology. *Public Health Nutrition*, **2002**, 5, 915-23	3.3	260
59	Marginal Longitudinal Nonparametric Regression. *Journal of the American Statistical Association*, **2002**, 97, 482-493	2.8	62
58	Bayesian Smoothing and Regression Splines for Measurement Error Problems. *Journal of the American Statistical Association*, **2002**, 97, 160-169	2.8	115
57	Efficient regression calibration for logistic regression in main study/internal validation study designs with an imperfect reference instrument. *Statistics in Medicine*, **2001**, 20, 139-160	2.3	75
56	Review times in statistical journals: tilting at windmills?. *Biometrics*, **2001**, 57, 1-6	1.8	9
55	Covariate measurement error adjustment for matched case-control studies. *Biometrics*, **2001**, 57, 62-73	1.8	17
54	Combining datasets to predict the effects of regulation of environmental lead exposure in housing stock. *Biometrics*, **2001**, 57, 203-10	1.8	4
53	Thyroid Cancer Following Scalp Irradiation: A Reanalysis Accounting for Uncertainty in Dosimetry. *Biometrics*, **2001**, 57, 689-697	1.8	36
52	Empirical evidence of correlated biases in dietary assessment instruments and its implications. *American Journal of Epidemiology*, **2001**, 153, 394-403	3.8	223
51	Parametric and Nonparametric Methods for Understanding the Relationship Between Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon. *Journal of the American Statistical Association*, **2001**, 96, 816-826	2.8	11
50	Semiparametric Regression for Clustered Data Using Generalized Estimating Equations. *Journal of the American Statistical Association*, **2001**, 96, 1045-1056	2.8	196
49	A Note on the Efficiency of Sandwich Covariance Matrix Estimation. *Journal of the American Statistical Association*, **2001**, 96, 1387-1396	2.8	374
48	Morphodensitometric analysis of protein kinase C ΙΙ expression in rat colon: modulation by diet and relation to in situ cell proliferation and apoptosis. *Carcinogenesis*, **2000**, 21, 1513-1519	4.6	1
47	Score tests for familial correlation in genotyped-proband designs. *Genetic Epidemiology*, **2000**, 18, 293-306	2.6	3
46	Random effects in censored ordinal regression: latent structure and Bayesian approach. *Biometrics*, **2000**, 56, 376-83	1.8	9
45	Conditional and unconditional categorical regression models with missing covariates. *Biometrics*, **2000**, 56, 384-8	1.8	30
44	Theory & Methods: Spatially-adaptive Penalties for Spline Fitting. *Australian and New Zealand Journal of Statistics*, **2000**, 42, 205-223	0.7	124
43	Nonparametric Function Estimation for Clustered Data When the Predictor is Measured without/with Error. *Journal of the American Statistical Association*, **2000**, 95, 520-534	2.8	206

42	Comparison of the 60- and 100-item NCI-block questionnaires with validation data. *Nutrition and Cancer*, **1999**, 34, 70-5	2.8	37
41	Flexible parametric measurement error models. *Biometrics*, **1999**, 55, 44-54	1.8	82
40	SIMEX variance component tests in generalized linear mixed measurement error models. *Biometrics*, **1999**, 55, 613-9	1.8	15
39	Designing studies to estimate the penetrance of an identified autosomal dominant mutation: cohort, case-control, and genotyped-proband designs. *Genetic Epidemiology*, **1999**, 16, 15-39	2.6	46
38	Estimation in a semiparametric partially linear errors-in-variables model. *Annals of Statistics*, **1999**, 27, 1519	3.2	234
37	A new class of measurement-error models, with applications to dietary data. *Canadian Journal of Statistics*, **1998**, 26, 467-477	0.4	22
36	Local Estimating Equations. *Journal of the American Statistical Association*, **1998**, 93, 214-227	2.8	78
35	Bias Analysis and SIMEX Approach in Generalized Linear Mixed Measurement Error Models. *Journal of the American Statistical Association*, **1998**, 93, 249-261	2.8	104
34	Transformations to Additivity in Measurement Error Models. *Biometrics*, **1997**, 53, 262	1.8	21
33	Categorical regression analysis of acute exposure to tetrachloroethylene. *Risk Analysis*, **1997**, 17, 321-32	3.9	23
32	Interval Censoring and Marginal Analysis in Ordinal Regression. *Journal of Agricultural, Biological, and Environmental Statistics*, **1996**, 1, 354	1.9	23
31	On design considerations and randomization-based inference for community intervention trials. *Statistics in Medicine*, **1996**, 15, 1069-92	2.3	151
30	A Semiparametric Mixture Approach to Case-Control Studies with Errors in Covariables. *Journal of the American Statistical Association*, **1996**, 91, 722-732	2.8	73
29	Asymptotics for the SIMEX Estimator in Nonlinear Measurement Error Models. *Journal of the American Statistical Association*, **1996**, 91, 242-250	2.8	112
28	ON DESIGN CONSIDERATIONS AND RANDOMIZATION-BASED INFERENCE FOR COMMUNITY INTERVENTION TRIALS **1996**, 15, 1069		1
27	ON DESIGN CONSIDERATIONS AND RANDOMIZATION-BASED INFERENCE FOR COMMUNITY INTERVENTION TRIALS **1996**, 15, 1069		3
26	Estimating the reliability of an exposure variable in the presence of confounders. *Statistics in Medicine*, **1995**, 14, 1437-46	2.3	1
25	Measurement Error Regression with Unknown Link: Dimension Reduction and Data Visualization. *Journal of the American Statistical Association*, **1992**, 87, 1040-1050	2.8	31

24	Prediction and Tolerance Intervals With Transformation and/or Weighting. *Technometrics*, **1991**, 33, 197-210		39
23	Approximate Quasi-likelihood Estimation in Models with Surrogate Predictors. *Journal of the American Statistical Association*, **1990**, 85, 652-663	2.8	196
22	Conditionally Unbiased Bounded-Influence Estimation in General Regression Models, with Applications to Generalized Linear Models. *Journal of the American Statistical Association*, **1989**, 84, 460-466	2.8	93
21	Mohs surgery is the treatment of choice for recurrent (previously treated) basal cell carcinoma. *The Journal of Dermatologic Surgery and Oncology*, **1989**, 15, 424-31		322
20	A Note on Computing Robust Regression Estimates via Iteratively Reweighted Least Squares. *American Statistician*, **1988**, 42, 152-154	5	125
19	Transformation and Weighting in Regression **1988**,		810
18	Optimal Rates of Convergence for Deconvolving a Density. *Journal of the American Statistical Association*, **1988**, 83, 1184-1186	2.8	314
17	A Note on Asymmetry and Robustness in Linear Regression. *American Statistician*, **1988**, 42, 285-287	5	17
16	The Effect of Estimating Weights in Weighted Least Squares. *Journal of the American Statistical Association*, **1988**, 83, 1045-1054	2.8	43
15	Conditional scores and optimal scores for generalized linear measurement-error models. *Biometrika*, **1987**, 74, 703-716	2	193
14	Optimization Using Stochastic Approximation and Monte Carlo Simulation (with Application to Harvesting of Atlantic Menhaden). *Biometrics*, **1984**, 40, 535	1.8	19
13	Robust Estimation in Heteroscedastic Linear Models. *Annals of Statistics*, **1982**, 10, 429	3.2	150
12	Adapting for Heteroscedasticity in Linear Models. *Annals of Statistics*, **1982**, 10, 1224	3.2	149
11	Measurement Error in Nonlinear Models		1304
10	Prediction and Tolerance Intervals With Transformation and/or Weighting		12
9	Approximate Quasi-likelihood Estimation in Models with Surrogate Predictors		64
8	The Effect of Estimating Weights in Weighted Least Squares		5
7	Optimal Rates of Convergence for Deconvolving a Density		110