Paul S Albert

List of Publications by Year in descending order

135 papers	**7,325** citations	126708 **33** h-index	56606 **83** g-index
137 all docs	**137** docs citations	**137** times ranked	**9853** citing authors

#	Article	IF	Citations
1	Models for Longitudinal Data: A Generalized Estimating Equation Approach. Biometrics, 1988, 44, 1049.	0.8	3,722
2	Racial/ethnic standards for fetal growth: the NICHD Fetal Growth Studies. American Journal of Obstetrics and Gynecology, 2015, 213, 449.e1-449.e41.	0.7	348
3	q2-longitudinal: Longitudinal and Paired-Sample Analyses of Microbiome Data. MSystems, 2018, 3, .	1.7	210
4	A Cautionary Note on the Robustness of Latent Class Models for Estimating Diagnostic Error without a Gold Standard. Biometrics, 2004, 60, 427-435.	0.8	171
5	Relationship between sleep and mood in patients with rapid-cycling bipolar disorder. Psychiatry Research, 1996, 63, 161-168.	1.7	168
6	The NICHD Consecutive Pregnancies Study: recurrent preterm delivery by subtype. American Journal of Obstetrics and Gynecology, 2014, 210, 131.e1-131.e8.	0.7	118
7	Cohort Profile: NICHD Fetal Growth Studiesâ€"Singletons and Twins. International Journal of Epidemiology, 2018, 47, 25-25l.	0.9	104
8	Crash and Risky Driving Involvement Among Novice Adolescent Drivers and Their Parents. American Journal of Public Health, 2011, 101, 2362-2367.	1.5	96
9	Racial and Ethnic Disparities in Excess Deaths During the COVID-19 Pandemic, March to December 2020. Annals of Internal Medicine, 2021, 174, 1693-1699.	2.0	93
10	Cadmium, Lead, and Mercury in Relation to Reproductive Hormones and Anovulation in Premenopausal Women. Environmental Health Perspectives, 2011, 119, 1156-1161.	2.8	81
11	Do Elevated Gravitational-Force Events While Driving Predict Crashes and Near Crashes?. American Journal of Epidemiology, 2012, 175, 1075-1079.	1.6	74
12	Latent Class Modeling Approaches for Assessing Diagnostic Error without a Gold Standard: With Applications to p53 Immunohistochemical Assays in Bladder Tumors. Biometrics, 2001, 57, 610-619.	0.8	66
13	Association of Cardiovascular Disease With Premature Mortality in the United States. JAMA Cardiology, 2019, 4, 1230.	3.0	66
14	Association of Maternal Obesity With Longitudinal Ultrasonographic Measures of Fetal Growth. JAMA Pediatrics, 2018, 172, 24.	3.3	65
15	Socioeconomic disadvantage, gestational immune activity, and neurodevelopment in early childhood. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6728-6733.	3.3	62
16	Glycaemic status during pregnancy and longitudinal measures of fetal growth in a multi-racial US population: a prospective cohort study. Lancet Diabetes and Endocrinology,the, 2020, 8, 292-300.	5.5	62
17	Lack of transgenerational effects of ionizing radiation exposure from the Chernobyl accident. Science, 2021, 372, 725-729.	6.0	60
18	Modeling Repeated Count Data Subject to Informative Dropout. Biometrics, 2000, 56, 667-677.	0.8	59

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19	The Effect of Strict Adherence to a High-Fiber, High-Fruit and -Vegetable, and Low-Fat Eating Pattern on Adenoma Recurrence. American Journal of Epidemiology, 2009, 170, 576-584.	1.6	57
20	Optimality of group testing in the presence of misclassification. Biometrika, 2012, 99, 245-251.	1.3	56
21	Fetal growth velocity: the NICHD fetal growth studies. American Journal of Obstetrics and Gynecology, 2018, 219, 285.e1-285.e36.	0.7	56
22	Cancer incidence in the Agricultural Health Study after 20 years of follow-up. Cancer Causes and Control, 2019, 30, 311-322.	0.8	50
23	Naturalistic teenage driving study: Findings and lessons learned. Journal of Safety Research, 2015, 54, 41.e29-44.	1.7	49
24	On Estimating the Relationship between Longitudinal Measurements and Time‐to‐Event Data Using a Simple Two‐Stage Procedure. Biometrics, 2010, 66, 983-987.	0.8	45
25	Patterns of gestational weight gain and birthweight outcomes in the Eunice Kennedy Shriver National Institute of Child Health and Human Development Fetal Growth Studies–Singletons: a prospective study. American Journal of Obstetrics and Gynecology, 2017, 217, 346.e1-346.e11.	0.7	45
26	A Longitudinal Study of Thyroid Markers Across Pregnancy and the Risk of Gestational Diabetes. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 2447-2456.	1.8	44
27	Long-Lasting Decrease in Viremia in Macaques Chronically Infected with Simian Immunodeficiency Virus SIVmac251 after Therapeutic DNA Immunization. Journal of Virology, 2007, 81, 1972-1979.	1.5	42
28	A Transitional Model for Longitudinal Binary Data Subject to Nonignorable Missing Data. Biometrics, 2000, 56, 602-608.	0.8	41
29	Impact of Population Growth and Aging on Estimates of Excess U.S. Deaths During the COVID-19 Pandemic, March to August 2020. Annals of Internal Medicine, 2021, 174, 437-443.	2.0	40
30	A nested case-control study of polychlorinated biphenyls, organochlorine pesticides, and thyroid cancer in the Janus Serum Bank cohort. Environmental Research, 2018, 165, 125-132.	3.7	37
31	A Bayesian analysis for longitudinal semicontinuous data with an application to an acupuncture clinical trial. Computational Statistics and Data Analysis, 2009, 53, 699-706.	0.7	36
32	Long-Term Parathyroid Hormone 1-34 Replacement Therapy in Children with Hypoparathyroidism. Journal of Pediatrics, 2018, 203, 391-399.e1.	0.9	36
33	A Latent Autoregressive Model for Longitudinal Binary Data Subject to Informative Missingness. Biometrics, 2002, 58, 631-642.	0.8	35
34	On Analyzing Circadian Rhythms Data Using Nonlinear Mixed Models with Harmonic Terms. Biometrics, 2005, 61, 1115-1120.	0.8	34
35	On Estimating Diagnostic Accuracy From Studies With Multiple Raters and Partial Gold Standard Evaluation. Journal of the American Statistical Association, 2008, 103, 61-73.	1.8	34
36	An approach for jointly modeling multivariate longitudinal measurements and discrete time-to-event data. Annals of Applied Statistics, 2010, 4, 1517-1532.	0.5	34

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37	HbA1c Measured in the First Trimester of Pregnancy and the Association with Gestational Diabetes. Scientific Reports, 2018, 8, 12249.	1.6	34
38	Modeling Repeated Measures with Monotonic Ordinal Responses and Misclassification, with Applications to Studying Maturation. Journal of the American Statistical Association, 1997, 92, 1304-1211.	1.8	33
39	A Random Effects Transition Model For Longitudinal Binary Data With Informative Missingness. Statistica Neerlandica, 2003, 57, 100-111.	0.9	32
40	Plasma lipidomics profile in pregnancy and gestational diabetes risk: a prospective study in a multiracial/ethnic cohort. BMJ Open Diabetes Research and Care, 2021, 9, e001551.	1.2	31
41	Cancer Cluster Investigations: Review of the Past and Proposals for the Future. International Journal of Environmental Research and Public Health, 2014, 11, 1479-1499.	1.2	30
42	A linear mixed model for predicting a binary event from longitudinal data under random effects misspecification. Statistics in Medicine, 2012, 31, 143-154.	0.8	27
43	A Markov Model for Sequences of Ordinal Data from a Relapsing-Remitting Disease. Biometrics, 1994, 50, 51.	0.8	26
44	Dicamba use and cancer incidence in the agricultural health study: an updated analysis. International Journal of Epidemiology, 2020, 49, 1326-1337.	0.9	25
45	Predicting large fetuses at birth: do multiple ultrasound examinations and longitudinal statistical modelling improve prediction?. Paediatric and Perinatal Epidemiology, 2012, 26, 199-207.	0.8	24
46	Common variants in signaling transcription-factor-binding sites drive phenotypic variability in red blood cell traits. Nature Genetics, 2020, 52, 1333-1345.	9.4	24
47	Non-Hodgkin lymphoma risk and organophosphate and carbamate insecticide use in the north American pooled project. Environment International, 2019, 127, 199-205.	4.8	23
48	Modelling longitudinal semicontinuous emesis volume data with serial correlation in an acupuncture clinical trial. Journal of the Royal Statistical Society Series C: Applied Statistics, 2005, 54, 707-720.	0.5	22
49	Bayesian Hierarchical Poisson Regression Models: An Application to a Driving Study With Kinematic Events. Journal of the American Statistical Association, 2013, 108, 494-503.	1.8	22
50	Combination of longitudinal biomarkers in predicting binary events. Biostatistics, 2014, 15, 706-718.	0.9	22
51	Pooling Designs for Outcomes under a Gaussian Random Effects Model. Biometrics, 2012, 68, 45-52.	0.8	20
52	Differences in Risk Factors for Recurrent Versus Incident Preterm Delivery. American Journal of Epidemiology, 2015, 182, 157-167.	1.6	20
53	Neonatal outcomes following exposure in utero to fallout from Chernobyl. European Journal of Epidemiology, 2017, 32, 1075-1088.	2.5	20
54	Random effects and latent processes approaches for analyzing binary longitudinal data with missingness: a comparison of approaches using opiate clinical trial data. Statistical Methods in Medical Research, 2007, 16, 417-439.	0.7	19

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55	Random Effects Modeling Approaches for Estimating ROC Curves from Repeated Ordinal Tests without a Gold Standard. Biometrics, 2007, 63, 593-602.	0.8	19
56	Adjusting for drop-out in clinical trials with repeated measures: design and analysis issues. Statistics in Medicine, 2001, 20, 93-108.	0.8	18
57	Reader Reaction: A Note on the Evaluation of Group Testing Algorithms in the Presence of Misclassification. Biometrics, 2016, 72, 299-302.	0.8	18
58	Binary Regression Analysis with Pooled Exposure Measurements: A Regression Calibration Approach. Biometrics, 2011, 67, 636-645.	0.8	17
59	Estimating Diagnostic Accuracy of Raters Without a Gold Standard by Exploiting a Group of Experts. Biometrics, 2012, 68, 1294-1302.	0.8	17
60	Imputation Approaches for Estimating Diagnostic Accuracy for Multiple Tests from Partially Verified Designs. Biometrics, 2007, 63, 947-957.	0.8	15
61	Fetal growth and ethnic variation. Lancet Diabetes and Endocrinology,the, 2014, 2, 773.	5.5	14
62	Estimating diagnostic accuracy without a gold standard: A continued controversy. Journal of Biopharmaceutical Statistics, 2016, 26, 1078-1082.	0.4	14
63	Revisiting Nested Group Testing Procedures: New Results, Comparisons, and Robustness. American Statistician, 2019, 73, 117-125.	0.9	14
64	Nutrition during Pregnancy: Findings from the National Institute of Child Health and Human Development (NICHD) Fetal Growth Studies–Singleton Cohort. Current Developments in Nutrition, 2021, 5, nzaa182.	0.1	14
65	Modeling Familial Association of Ages at Onset of Disease in the Presence of Competing Risk. Biometrics, 2010, 66, 1012-1023.	0.8	13
66	Sources of Variability in Real-Time Monitoring Data for Fine Particulate Matter: Comparability of Three Wearable Monitors in an Urban Setting. Environmental Science and Technology Letters, 2019, 6, 222-227.	3.9	13
67	Unified standard for fetal growth: the Eunice Kennedy Shriver National Institute of Child Health and Human Development Fetal Growth Studies. American Journal of Obstetrics and Gynecology, 2022, 226, 576-587.e2.	0.7	13
68	A Class of Joint Models for Multivariate Longitudinal Measurements and a Binary Event. Biometrics, 2016, 72, 917-925.	0.8	12
69	Maternal weight gain and associations with longitudinal fetal growth in dichorionic twin pregnancies: a prospective cohort study. American Journal of Clinical Nutrition, 2017, 106, 1449-1455.	2.2	12
70	A Mover-Stayer Model for Longitudinal Marker Data. Biometrics, 1999, 55, 1252-1257.	0.8	11
71	A two-state mixed hidden Markov model for risky teenage driving behavior. Annals of Applied Statistics, 2015, 9, 849-865.	0.5	11
72	Trajectories of maternal gestational weight gain and child cognition assessed at 5…years of age in a prospective cohort study. Journal of Epidemiology and Community Health, 2016, 70, 696-703.	2.0	11

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73	Practical issues in using generalized estimating equations for inference on transitions in longitudinal data: What is being estimated?. Statistics in Medicine, 2019, 38, 903-916.	0.8	11
74	Diurnal variation of metabolites in three individual participants. Chronobiology International, 2019, 36, 332-342.	0.9	10
75	Modeling Longitudinal Biomarker Data from Multiple Assays that Have Different Known Detection Limits. Biometrics, 2008, 64, 527-537.	0.8	9
76	Sequential estimation in the group testing problem. Sequential Analysis, 2018, 37, 1-17.	0.2	9
77	IFN-λ4 is associated with increased risk and earlier occurrence of several common infections in African children. Genes and Immunity, 2021, 22, 44-55.	2.2	8
78	Ordinal latent variable models and their application in the study of newly licensed teenage drivers. Journal of the Royal Statistical Society Series C: Applied Statistics, 2013, 62, 435-450.	0.5	7
79	Longitudinal changes in maternal anthropometry in relation to neonatal anthropometry. Public Health Nutrition, 2019, 22, 797-804.	1.1	7
80	Shared random parameter models: A legacy of the biostatistics program at the National Heart, Lung, and Blood Institute. Statistics in Medicine, 2019, 38, 501-511.	0.8	7
81	Intrauterine growth discordance across gestation and birthweight discordance in dichorionic twins. American Journal of Obstetrics and Gynecology, 2020, 222, 174.e1-174.e10.	0.7	7
82	Analysis of Cataract in Relationship to Occupational Radiation Dose Accounting for Dosimetric Uncertainties in a Cohort of U.S. Radiologic Technologists. Radiation Research, 2020, 194, 153.	0.7	7
83	Repeated Probit Regression When Covariates Are Measured With Error. Biometrics, 1999, 55, 403-409.	0.8	6
84	Use of Multiple Assays Subject to Detection Limits With Regression Modeling in Assessing the Relationship Between Exposure and Outcome. Epidemiology, 2010, 21, S35-S43.	1.2	6
85	Identifying Subgroups of Enhanced Predictive Accuracy from Longitudinal Biomarker Data by Using Tree-Based Approaches: Applications to Fetal Growth. Journal of the Royal Statistical Society Series A: Statistics in Society, 2017, 180, 247-261.	0.6	6
86	Characterization of Thermal and Mechanical Indices from Serial Ultrasound Exams and Associations with Neonatal Anthropometry: The NICHD Fetal Growth Studies. American Journal of Perinatology, 2018, 35, 632-642.	0.6	6
87	A Bayesian Multi-Dimensional Couple-Based Latent Risk Model with an Application to Infertility. Biometrics, 2019, 75, 315-325.	0.8	6
88	Is group testing ready for prime–time in disease identification?. Statistics in Medicine, 2021, 40, 3865-3880.	0.8	6
89	The impact of random–effect misspecification on percentile estimation for longitudinal growth data. Statistics in Medicine, 2012, 31, 3708-3718.	0.8	5
90	Modeling longitudinal data with a random change point and no time–zero: Applications to inference and prediction of the labor curve. Biometrics, 2014, 70, 1052-1060.	0.8	5

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91	Incorporating retesting outcomes for estimation of disease prevalence. Statistics in Medicine, 2020, 39, 687-697.	0.8	5
92	Marginal analysis of longitudinal count data in long sequences: Methods and applications to a driving study. Annals of Applied Statistics, 2012, 6, 27-54.	0.5	4
93	Novel statistical methodology for analyzing longitudinal biomarker data. Statistics in Medicine, 2012, 31, 2457-2460.	0.8	4
94	Efficient logistic regression designs under an imperfect population identifier. Biometrics, 2014, 70, 175-184.	0.8	4
95	Pattern–Mixture Models with Incomplete Informative Cluster Size: Application to a Repeated Pregnancy Study. Journal of the Royal Statistical Society Series C: Applied Statistics, 2018, 67, 255-273.	0.5	4
96	Combined Influence of Gestational Weight Gain and Estimated Fetal Weight on Risk Assessment for Small‐or Large‐for‐Gestational‐Age Birth Weight: A Prospective Cohort Study. Journal of Ultrasound in Medicine, 2018, 37, 935-940.	0.8	4
97	A joint model for multivariate hierarchical semicontinuous data with replications. Statistical Methods in Medical Research, 2019, 28, 858-870.	0.7	4
98	Diesel Exhaust Exposure during Farming Activities: Statistical Modeling of Continuous Black Carbon Concentrations. Annals of Work Exposures and Health, 2020, 64, 503-513.	0.6	4
99	Statistical approaches using longitudinal biomarkers for disease early detection: A comparison of methodologies. Statistics in Medicine, 2020, 39, 4405-4420.	0.8	4
100	New insights into modeling exposure measurements below the limit of detection. Environmental Epidemiology, 2021, 5, e116.	1.4	4
101	A mixture of transition models for heterogeneous longitudinal ordinal data: with applications to longitudinal bacterial vaginosis data. Statistics in Medicine, 2014, 33, 3204-3213.	0.8	3
102	Summer activity patterns among teenage girls: harmonic shape invariant modeling to estimate circadian cycles. Journal of Circadian Rhythms, 2014, 10, 2.	2.9	3
103	Estimating onset time from longitudinal and cross‐sectional data with an application to estimating gestational age from longitudinal maternal anthropometry during pregnancy and neonatal anthropometry at birth. Journal of the Royal Statistical Society Series A: Statistics in Society, 2018, 181, 825-842.	0.6	3
104	hsegHMM: hidden Markov model-based allele-specific copy number alteration analysis accounting for hypersegmentation. BMC Bioinformatics, 2018, 19, 424.	1.2	3
105	Associations between estimated foetal weight discordance and clinical characteristics within dichorionic twins: The NICHD Fetal Growth Studies. Paediatric and Perinatal Epidemiology, 2019, 33, 332-342.	0.8	3
106	Innovative modeling of naturalistic driving data: Inference and prediction. Statistics in Medicine, 2019, 38, 175-183.	0.8	3
107	Nonparametric estimation of distributions and diagnostic accuracy based on group‐tested results with differential misclassification. Biometrics, 2020, 76, 1147-1156.	0.8	3
108	Rejoinder to discussion on Is group testing ready for prime‐time in disease identification?. Statistics in Medicine, 2021, 40, 3892-3894.	0.8	3

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109	A Functional Data Analysis Approach for Circadian Patterns of Activity of Teenage Girls. Journal of Circadian Rhythms, 2015, 13, 3.	2.9	3
110	Multistate models for the natural history of cancer progression. British Journal of Cancer, 2022, 127, 1279-1288.	2.9	3
111	An Approximate Joint Model for Multiple Paired Longitudinal Outcomes and Time-to-Event Data. Biometrics, 2018, 74, 1112-1119.	0.8	2
112	Validity of retrospective occupational exposure estimates of lead and manganese in a case–control study. Occupational and Environmental Medicine, 2019, 76, 680-687.	1.3	2
113	A hidden Markov modeling approach for identifying tumor subclones in next-generation sequencing studies. Biostatistics, 2022, 23, 69-82.	0.9	2
114	An Evaluation of the Natural History of Bacterial Vaginosis Using Transition Models. Sexually Transmitted Diseases, 2011, 38, 1131-1136.	0.8	1
115	Modelling batched Gaussian longitudinal weight data in mice subject to informative dropout. Statistical Methods in Medical Research, 2014, 23, 203-217.	0.7	1
116	Modelling the type and timing of consecutive events: application to predicting preterm birth in repeated pregnancies. Journal of the Royal Statistical Society Series C: Applied Statistics, 2015, 64, 711-730.	0.5	1
117	Estimation of interaction effects using pooled biospecimens in a case–control study. Statistics in Medicine, 2016, 35, 1502-1513.	0.8	1
118	Estimating recurrence and incidence of preterm birth subject to measurement error in gestational age: A hidden Markov modeling approach. Statistics in Medicine, 2018, 37, 1973-1985.	0.8	1
119	Latent Variable Poisson Models for Assessing the Regularity of Circadian Patterns over Time. Journal of the American Statistical Association, 2018, 113, 992-1002.	1.8	1
120	A pooling strategy to effectively use genotype data in quantitative traits genome-wide association studies. Statistics in Medicine, 2018, 37, 4083-4095.	0.8	1
121	Driving the analysis: An exciting opportunity for statistical innovation in driving research. Statistics in Medicine, 2019, 38, 151-151.	0.8	1
122	An imputation approach for fitting two-part mixed effects models for longitudinal semi-continuous data. Statistical Methods in Medical Research, 2020, 29, 3351-3361.	0.7	1
123	Hidden mover–stayer model for disease progression accounting for misclassified and partially observed diagnostic tests: Application to the natural history of human papillomavirus and cervical precancer. Statistics in Medicine, 2021, 40, 3460-3476.	0.8	1
124	Utility of interim blood tests for cancer screening in Li-Fraumeni syndrome. Familial Cancer, 2022, 21, 333-336.	0.9	1
125	Prevalence of esophageal squamous dysplasia in relatives of patients with esophageal cancer in Southwestern Kenya. Cancer Epidemiology, 2022, 78, 102141.	0.8	1
126	Innovative Applications of Shared Random Parameter Models for Analyzing Longitudinal Data Subject to Dropout. Lecture Notes in Statistics, 2013, , 139-156.	0.1	0

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127	Estimating onset time from longitudinal data in the presence of measurement error with application to estimating gestational age from maternal anthropometry during pregnancy. Statistics in Medicine, 2018, 37, 4743-4757.	0.8	0
128	A Joint Model Approach for Longitudinal Data with no Time-Zero and Time-to-Event with Competing Risks. Statistics in Biosciences, 2019, 11, 449-464.	0.6	0
129	Modeling repeated labor curves in consecutive pregnancies: Individualized prediction of labor progression from previous pregnancy data. Statistics in Medicine, 2020, 39, 1068-1083.	0.8	0
130	Combination of Fundal Height and Ultrasound to Predict Small for Gestational Age at Birth. American Journal of Perinatology, 2021, , .	0.6	0
131	Simultaneous modeling of detection rate and exposure concentration using semi-continuous models to identify exposure determinants when left-censored data may be a true zero. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 1047-1056.	1.8	0
132	Continued controversy in using latent class models for estimating diagnostic accuracy without a gold standard. Statistics in Medicine, 2021, 40, 4764-4765.	0.8	0
133	Approaches to retrospective sampling for longitudinal transition regression models. Statistics and Its Interface, 2014, 7, 75-85.	0.2	0
134	Modeling Dinophysis in Western AndalucÃa using an autoregressive hidden Markov model. Environmental and Ecological Statistics, 0, , .	1.9	0
135	The efficient design of Nested Group Testing algorithms for disease identification in clustered data. Journal of Applied Statistics, 0, , 1-18.	0.6	0