Michael J Daniels

List of Publications by Year
in descending order

107 papers	4,641 citations	136950 32 h-index	114465 63 g-index
109 all docs	109 docs citations	109 times ranked	4871 citing authors

#	Article	IF	Citations
1	The heritability of IQ. Nature, 1997, 388, 468-471.	27.8	484
2	Missing Data in Longitudinal Studies. , 0, , .		290
3	Meta-analysis for the evaluation of potential surrogate markers. Statistics in Medicine, 1997, 16, 1965-1982.	1.6	273
4	Revised Analyses of the National Morbidity, Mortality, and Air Pollution Study: Mortality Among Residents Of 90 Cities. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2005, 68, 1071-1092.	2.3	260
5	Extended-Care Programs for Weight Management in Rural Communities. Archives of Internal Medicine, 2008, 168, 2347.	3.8	227
6	Air Pollution and Mortality. Journal of the American Statistical Association, 2002, 97, 100-111.	3.1	210
7	Shrinkage Estimators for Covariance Matrices. Biometrics, 2001, 57, 1173-1184.	1.4	189
8	Nonconjugate Bayesian Estimation of Covariance Matrices and its Use in Hierarchical Models. Journal of the American Statistical Association, 1999, 94, 1254-1263.	3.1	169
9	Effect of Medicareâ€™s Nonpayment for Hospital-Acquired Conditions. JAMA Internal Medicine, 2015, 175, 347.	5.1	133
10	Examination of effects of corticosteroids on skeletal muscles of boys with DMD using MRI and MRS. Neurology, 2014, 83, 974-980.	1.1	131
11	Multicenter prospective longitudinal study of magnetic resonance biomarkers in a large duchenne muscular dystrophy cohort. Annals of Neurology, 2016, 79, 535-547.	5.3	131
12	A prior for the variance in hierarchical models. Canadian Journal of Statistics, 1999, 27, 567-578.	0.9	119
13	Magnetic Resonance Imaging and Spectroscopy Assessment of Lower Extremity Skeletal Muscles in Boys with Duchenne Muscular Dystrophy: A Multicenter Cross Sectional Study. PLoS ONE, 2014, 9, e106435.	2.5	94
14	Hierarchical Generalized Linear Models in the Analysis of Variations in Health Care Utilization. Journal of the American Statistical Association, 1999, 94, 29-42.	3.1	87
15	Modelling the random effects covariance matrix in longitudinal data. Statistics in Medicine, 2003, 22, 1631-1647.	1.6	80
16	Skeletal Muscles of Ambulant Children with Duchenne Muscular Dystrophy: Validation of Multicenter Study of Evaluation with MR Imaging and MR Spectroscopy. Radiology, 2013, 269, 198-207.	7.3	80
17	Reparameterizing the Pattern Mixture Model for Sensitivity Analyses Under Informative Dropout. Biometrics, 2000, 56, 1241-1248.	1.4	70
18	Complex structure of a maize Myb gene promoter: functional analysis in transgenic plants. Plant Journal, 2000, 22, 471-482.	5.7	69

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19	Incorporating prior beliefs about selection bias into the analysis of randomized trials with missing outcomes. Biostatistics, 2003, 4, 495-512.	1.5	63
20	A New Algorithm for Simulating a Correlation Matrix Based on Parameter Expansion and Reparameterization. Journal of Computational and Graphical Statistics, 2006, 15, 897-914.	1.7	60
21	Modeling covariance matrices via partial autocorrelations. Journal of Multivariate Analysis, 2009, 100, 2352-2363.	1.0	57
22	MR biomarkers predict clinical function in Duchenne muscular dystrophy. Neurology, 2020, 94, e897-e909.	1.1	55
23	Assessing Missing Data Assumptions in EHR-Based Studies: A Complex and Underappreciated Task. JAMA Network Open, 2021, 4, e210184.	5.9	53
24	Skeletal muscle magnetic resonance biomarkers correlate with function and sentinel events in Duchenne muscular dystrophy. PLoS ONE, 2018, 13, e0194283.	2.5	52
25	Modeling disease trajectory in Duchenne muscular dystrophy. Neurology, 2020, 94, e1622-e1633.	1.1	49
26	Simultaneous modelling of the Cholesky decomposition of several covariance matrices. Journal of Multivariate Analysis, 2007, 98, 568-587.	1.0	47
27	Hierarchical polytomous regression models with applications to health services research. , 1997, 16, 2311-2325.		44
28	Longitudinal timed function tests in Duchenne muscular dystrophy: ImagingDMD cohort natural history. Muscle and Nerve, 2018, 58, 631-638.	2.2	41
29	Nonconjugate Bayesian Estimation of Covariance Matrices and Its Use in Hierarchical Models. Journal of the American Statistical Association, 1999, 94, 1254.	3.1	41
30	Longitudinal profiling of health care units based on continuous and discrete patient outcomes. Biostatistics, 2005, 7, 1-15.	1.5	40
31	Marginalized models for longitudinal ordinal data with application to quality of life studies. Statistics in Medicine, 2008, 27, 4359-4380.	1.6	39
32	Effect of Telehealth Extended Care for Maintenance of Weight Loss in Rural US Communities. JAMA Network Open, 2020, 3, e206764.	5.9	39
33	Bayesian Inference for the Causal Effect of Mediation. Biometrics, 2012, 68, 1028-1036.	1.4	36
34	A General Class of Pattern Mixture Models for Nonignorable Dropout with Many Possible Dropout Times. Biometrics, 2008, 64, 538-545.	1.4	33
35	A Class of Markov Models for Longitudinal Ordinal Data. Biometrics, 2007, 63, 1060-1067.	1.4	32
36	Bayesian Approaches for Missing Not at Random Outcome Data: The Role of Identifying Restrictions. Statistical Science, 2018, 33, 198-213.	2.8	31

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37	A Note on MAR, Identifying Restrictions, Model Comparison, and Sensitivity Analysis in Pattern Mixture Models with and without Covariates for Incomplete Data. Biometrics, 2011, 67, 810-818.	1.4	29
38	A Framework for Bayesian Nonparametric Inference for Causal Effects of Mediation. Biometrics, 2017, 73, 401-409.	1.4	29
39	Upper and Lower Extremities in Duchenne Muscular Dystrophy Evaluated with Quantitative MRI and Proton MR Spectroscopy in a Multicenter Cohort. Radiology, 2020, 295, 616-625.	7.3	28
40	Joint Models for the Association of Longitudinal Binary and Continuous Processes With Application to a Smoking Cessation Trial. Journal of the American Statistical Association, 2009, 104, 429-438.	3.1	27
41	Sequential BART for imputation of missing covariates. Biostatistics, 2016, 17, 589-602.	1.5	27
42	A Flexible Bayesian Approach to Monotone Missing Data in Longitudinal Studies With Nonignorable Missingness With Application to an Acute Schizophrenia Clinical Trial. Journal of the American Statistical Association, 2015, 110, 45-55.	3.1	25
43	Flexible marginalized models for bivariate longitudinal ordinal data. Biostatistics, 2013, 14, 462-476.	1.5	23
44	Bayesian Nonparametric Generative Models for Causal Inference with Missing at Random Covariates. Biometrics, 2018, 74, 1193-1202.	1.4	23
45	Analysis of particulate matter air pollution using Markov random field models of spatial dependence. Environmetrics, 2002, 13, 615-628.	1.4	21
46	A Bayesian nonparametric approach to marginal structural models for point treatments and a continuous or survival outcome. Biostatistics, 2017, 18, 32-47.	1.5	21
47	Glucagon-Like Peptide 1 Receptor Agonists and Chronic Lower Respiratory Disease Exacerbations Among Patients With Type 2 Diabetes. Diabetes Care, 2021, 44, 1344-1352.	8.6	21
48	The National Morbidity, Mortality, and Air Pollution Study. Part III: PM10 concentration-response curves and thresholds for the 20 largest US cities. Research Report (health Effects Institute), 2004, , 1-21; discussion 23-30.	1.6	21
49	Multi-slice MRI reveals heterogeneity in disease distribution along the length of muscle in Duchenne muscular dystrophy. Acta Myologica, 2017, 36, 151-162.	1.5	20
50	Bayesian methods for multiple mediators: Relating principal stratification and causal mediation in the analysis of power plant emission controls. Annals of Applied Statistics, 2019, 13, 1927-1956.	1.1	19
51	The impact of sugar sweetened beverage intake on hunger and satiety in minority adolescents. Appetite, 2016, 97, 43-48.	3.7	18
52	Underestimation of Standard Errors in Multi-site Time Series Studies. Epidemiology, 2004, 15, 57-62.	2.7	16
53	A Bayesian Nonparametric Approach to Causal Inference on Quantiles. Biometrics, 2018, 74, 986-996.	1.4	16
54	Conditionally Specified Space-Time Models for Multivariate Processes. Journal of Computational and Graphical Statistics, 2006, 15, 157-177.	1.7	15

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55	Adjusting for selection bias due to missing data in electronic health records-based research. Statistical Methods in Medical Research, 2021, 30, 2221-2238.	1.5	15
56	Hierarchical Generalized Linear Models in the Analysis of Variations in Health Care Utilization. Journal of the American Statistical Association, 1999, 94, 29.	3.1	15
57	Bayesian modeling of several covariance matrices and some results on propriety of the posterior for linear regression with correlated and/or heterogeneous errors. Journal of Multivariate Analysis, 2006, 97, 1185-1207.	1.0	14
58	A nonparametric prior for simultaneous covariance estimation. Biometrika, 2013, 100, 125-138.	2.4	14
59	Use of <i>International Classification of Diseases, Ninth Revision, Clinical Modification</i>, Codes to Identify Inpatient Fall–Related Injuries. Journal of the American Geriatrics Society, 2013, 61, 2186-2191.	2.6	14
60	Marginalized transition random effect models for multivariate longitudinal binary data. Canadian Journal of Statistics, 2007, 35, 105-123.	0.9	13
61	Bayesian Model Selection for Incomplete Data Using the Posterior Predictive Distribution. Biometrics, 2012, 68, 1055-1063.	1.4	13
62	Causal Inference with Longitudinal Outcomes and Non-Ignorable Dropout: Estimating the Effect of Living Alone on Cognitive Decline. Journal of the Royal Statistical Society Series C: Applied Statistics, 2016, 65, 131-144.	1.0	12
63	Effect of dose of behavioral weight loss treatment on glycemic control in adults with prediabetes. BMJ Open Diabetes Research and Care, 2019, 7, e000653.	2.8	12
64	Design of the Rural LEAP randomized trial: An evaluation of extended-care programs for weight management delivered via group or individual telephone counseling. Contemporary Clinical Trials, 2019, 76, 55-63.	1.8	11
65	A Bayesian Semiparametric Approach for Incorporating Longitudinal Information on Exposure History for Inference in Case–Control Studies. Biometrics, 2012, 68, 361-370.	1.4	10
66	ARMA Cholesky factor models for the covariance matrix of linear models. Computational Statistics and Data Analysis, 2017, 115, 267-280.	1.2	10
67	A Bayesian semiparametric latent variable approach to causal mediation. Statistics in Medicine, 2018, 37, 1149-1161.	1.6	10
68	Causal Effects of Treatments for Informative Missing Data due to Progression/Death. Journal of the American Statistical Association, 2010, 105, 912-929.	3.1	9
69	Comparing Biomarkers as Trial Level General Surrogates. Biometrics, 2016, 72, 1046-1054.	1.4	9
70	A flexible approach to Bayesian multiple curve fitting. Computational Statistics and Data Analysis, 2008, 52, 5100-5120.	1.2	8
71	Pattern Mixture Models for the Analysis of Repeated Attempt Designs. Biometrics, 2015, 71, 1160-1167.	1.4	8
72	Impact of the Hospital–Acquired Conditions Initiative on Falls and Physical Restraints: A Longitudinal Study. Journal of Hospital Medicine, 2019, 14, E31-E36.	1.4	8

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73	A class of shrinkage priors for the dependence structure in longitudinal data. Journal of Statistical Planning and Inference, 2005, 127, 119-130.	0.6	7
74	Multi-modal intervention to reduce cardiovascular risk among hypertensive older adults: Design of a randomized clinical trial. Contemporary Clinical Trials, 2015, 43, 237-242.	1.8	7
75	Improved HIV-1 Viral Load Monitoring Capacity Using Pooled Testing With Marker-Assisted Deconvolution. Journal of Acquired Immune Deficiency Syndromes (1999), 2017, 75, 580-587.	2.1	7
76	Measurement Error Correction and Sensitivity Analysis in Longitudinal Dietary Intervention Studies Using an External Validation Study. Biometrics, 2019, 75, 927-937.	1.4	7
77	A Bayesian nonparametric approach for evaluating the causal effect of treatment in randomized trials with semi-competing risks. Biostatistics, 2022, 23, 34-49.	1.5	7
78	A note on posterior predictive checks to assess model fit for incomplete data. Statistics in Medicine, 2016, 35, 5029-5039.	1.6	6
79	A Bayesian parametric approach to handle missing longitudinal outcome data in trial‐based health economic evaluations. Journal of the Royal Statistical Society Series A: Statistics in Society, 2020, 183, 607-629.	1.1	6
80	Modeling Multiple Time-Varying Related Groups: A Dynamic Hierarchical Bayesian Approach With an Application to the Health and Retirement Study. Journal of the American Statistical Association, 2021, 116, 558-568.	3.1	6
81	Characterizing Expiratory Respiratory Muscle Degeneration in Duchenne Muscular Dystrophy Using MRI. Chest, 2022, 161, 753-763.	0.8	6
82	Meta‐analysis for the evaluation of potential surrogate markers. Statistics in Medicine, 1997, 16, 1965-1982.	1.6	6
83	CAUSAL EFFECTS OF TREATMENTS FOR INFORMATIVE MISSING DATA DUE TO PROGRESSION/DEATH. Journal of the American Statistical Association, 2010, 105, 912-929.	3.1	6
84	Assessing sources of variability in measurement of ambient particulate matter. Environmetrics, 2001, 12, 547-558.	1.4	5
85	Comments on: Missing data methods in longitudinal studies: a review. Test, 2009, 18, 51-58.	1.1	5
86	A Sensitivity Analysis Approach for Informative Dropout Using Shared Parameter Models. Biometrics, 2019, 75, 917-926.	1.4	5
87	Quantile regression in the presence of monotone missingness with sensitivity analysis. Biostatistics, 2016, 17, 108-121.	1.5	4
88	A Semiparametric Bayesian Approach to Dropout in Longitudinal Studies With Auxiliary Covariates. Journal of Computational and Graphical Statistics, 2020, 29, 1-12.	1.7	4
89	Bayesian Semi-parametric G-computation For Causal Inference in a Cohort Study with Mnar Dropout and Death. Journal of the Royal Statistical Society Series C: Applied Statistics, 2021, 70, 398-414.	1.0	4
90	Gestational weight change and childhood body composition trajectories from pregnancy to early adolescence. Obesity, 2022, 30, 707-717.	3.0	4

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91	Optimizing and evaluating biomarker combinations as trial-level general surrogates. Statistics in Medicine, 2019, 38, 1135-1146.	1.6	3
92	Causal inference for bivariate longitudinal quality of life data in presence of death by using global odds ratios. Statistics in Medicine, 2013, 32, 4275-4284.	1.6	2
93	Bayesian modeling of the covariance structure for irregular longitudinal data using the partial autocorrelation function. Statistics in Medicine, 2015, 34, 2004-2018.	1.6	2
94	Discussion of PENCOMP. Journal of the American Statistical Association, 2019, 114, 24-27.	3.1	2
95	Handling Missing Data in Instrumental Variable Methods for Causal Inference. Annual Review of Statistics and Its Application, 2019, 6, 125-148.	7.0	2
96	Hierarchical polytomous regression models with applications to health services research. Statistics in Medicine, 1997, 16, 2311-2325.	1.6	2
97	Step Activity Monitoring in Boys with Duchenne Muscular Dystrophy and its Correlation with Magnetic Resonance Measures and Functional Performance. Journal of Neuromuscular Diseases, 2022, , 1-14.	2.6	2
98	Ongoing Attention to Injurious Inpatient Falls and Pressure Ulcers—Reply. JAMA Internal Medicine, 2015, 175, 1582.	5.1	1
99	A note on compatibility for inference with missing data in the presence of auxiliary covariates. Statistics in Medicine, 2019, 38, 1190-1199.	1.6	1
100	Classification using ensemble learning under weighted misclassification loss. Statistics in Medicine, 2019, 38, 2002-2012.	1.6	1
101	Meta-analysis for the evaluation of potential surrogate markers. , 1997, 16, 1965.		1
102	Differential impact of telehealth extended-care programs for weight-loss maintenance in African American versus white adults. Journal of Behavioral Medicine, 2022, , 1.	2.1	1
103	An exploration of fixed and random effects selection for longitudinal binary outcomes in the presence of nonignorable dropout. Biometrical Journal, 2013, 55, 17-37.	1.0	0
104	A note on monotonicity in repeated attempt selection models. Statistics and Probability Letters, 2020, 156, 108585.	0.7	0
105	A Bayesian semiparametric approach for inference on the population partly conditional mean from longitudinal data with dropout. Biostatistics, 2021, , .	1.5	0
106	Response to Comment on Albogami et al. Glucagon-Like Peptide-1 Receptor Agonists and Chronic Lower Respiratory Disease Exacerbations Among Patients With Type 2 Diabetes. Diabetes Care 2021;44:1344–1352. Diabetes Care, 2021, 44, e167-e167.	8.6	0
107	Meta-regression analysis of low carbohydrate variable protein energy-restricted diet studies on weight loss and body composition in humans. FASEB Journal, 2006, 20, A582.	0.5	0