

Jonnagadda Rao

List of Publications by Year in descending order

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76
papers

6,556
citations

126907

33
h-index

85541

71
g-index

80
all docs

80
docs citations

80
times ranked

2942
citing authors

#	ARTICLE	IF	CITATIONS
1	The Analysis of Categorical Data from Complex Sample Surveys: Chi-Squared Tests for Goodness of Fit and Independence in Two-Way Tables. Journal of the American Statistical Association, 1981, 76, 221-230.	3.1	779
2	The Estimation of the Mean Squared Error of Small-Area Estimators. Journal of the American Statistical Association, 1990, 85, 163-171.	3.1	500
3	Maximum-likelihood estimation for the mixed analysis of variance model. Biometrika, 1967, 54, 93-108.	2.4	498
4	Small Area Estimation: An Appraisal. Statistical Science, 1994, 9, 55.	2.8	474
5	Resampling Inference with Complex Survey Data. Journal of the American Statistical Association, 1988, 83, 231-241.	3.1	328
6	On Simple Adjustments to Chi-Square Tests with Sample Survey Data. Annals of Statistics, 1987, 15, 385.	2.6	248
7	Inference From Stratified Samples: Properties of the Linearization, Jackknife and Balanced Repeated Replication Methods. Annals of Statistics, 1981, 9, .	2.6	200
8	Jackknife variance estimation with survey data under hot deck imputation. Biometrika, 1992, 79, 811-822.	2.4	197
9	Small area estimation of poverty indicators. Canadian Journal of Statistics, 2010, 38, 369-385.	0.9	194
10	Sampling with Unequal Probabilities and without Replacement. Annals of Mathematical Statistics, 1962, 33, 350-374.	0.5	183
11	Mean squared error of empirical predictor. Annals of Statistics, 2004, 32, 818.	2.6	158
12	A new estimation theory for sample surveys. Biometrika, 1968, 55, 547-557.	2.4	139
13	The Analysis of Categorical Data From Complex Sample Surveys: Chi-Squared Tests for Goodness of Fit and Independence in Two-Way Tables. Journal of the American Statistical Association, 1981, 76, 221.	3.1	137
14	Small-Sample Comparisons of Level and Power for Simple Goodness-of-Fit Statistics under Cluster Sampling. Journal of the American Statistical Association, 1987, 82, 630-636.	3.1	120
15	On measuring the variability of small area estimators under a basic area level model. Biometrika, 2005, 92, 183-196.	2.4	116
16	On Variance Estimation with Imputed Survey Data. Journal of the American Statistical Association, 1996, 91, 499-506.	3.1	113
17	The Estimation of the Mean Squared Error of Small-Area Estimators. Journal of the American Statistical Association, 1990, 85, 163.	3.1	102
18	Rotation Designs for Sampling on Repeated Occasions. Journal of the American Statistical Association, 1964, 59, 492-509.	3.1	101

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19	Robust small area estimation. Canadian Journal of Statistics, 2009, 37, 381-399.	0.9	98
20	Robust Estimation of Mean Squared Error of Small Area Estimators. Journal of the American Statistical Association, 1995, 90, 758-766.	3.1	85
21	A pseudo-empirical best linear unbiased prediction approach to small area estimation using survey weights. Canadian Journal of Statistics, 2002, 30, 431-439.	0.9	75
22	Estimation in Dual Frame Surveys with Complex Designs. Journal of the American Statistical Association, 1996, 91, 349-356.	3.1	74
23	Inference from Stratified Samples: Second-Order Analysis of Three Methods for Nonlinear Statistics. Journal of the American Statistical Association, 1985, 80, 620-630.	3.1	69
24	Inference from Dual Frame Surveys. Journal of the American Statistical Association, 2000, 95, 271-280.	3.1	58
25	Empirical likelihood for linear regression models under imputation for missing responses. Canadian Journal of Statistics, 2001, 29, 597-608.	0.9	56
26	Estimation in Multiple-Frame Surveys. Journal of the American Statistical Association, 2006, 101, 1019-1030.	3.1	55
27	Pseudo-empirical likelihood ratio confidence intervals for complex surveys. Canadian Journal of Statistics, 2006, 34, 359-375.	0.9	54
28	Combining data from two independent surveys: a model-assisted approach. Biometrika, 2012, 99, 85-100.	2.4	53
29	Variance Estimation with One Unit per Stratum. Journal of the American Statistical Association, 1969, 64, 841-851.	3.1	52
30	Resampling Inference With Complex Survey Data. Journal of the American Statistical Association, 1988, 83, 231.	3.1	49
31	Empirical likelihood inference under stratified random sampling using auxiliary population information. Biometrika, 2000, 87, 929-938.	2.4	44
32	Bayesian Pseudo-Empirical-Likelihood Intervals for Complex Surveys. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2010, 72, 533-544.	2.2	44
33	Empirical Bayes Estimation of Small Area Means under a Nested Error Linear Regression Model with Measurement Errors in the Covariates. Scandinavian Journal of Statistics, 2009, 36, 355-369.	1.4	41
34	Tests for Trend in Developmental Toxicity Experiments with Correlated Binary Data. Risk Analysis, 1994, 14, 639-648.	2.7	32
35	Pseudo-empirical Likelihood Inference for Multiple Frame Surveys. Journal of the American Statistical Association, 2010, 105, 1494-1503.	3.1	31
36	Empirical likelihood confidence intervals for the mean of a population containing many zero values. Canadian Journal of Statistics, 2003, 31, 53-68.	0.9	30

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37	Estimation of mean squared error of model-based small area estimators. <i>Test</i> , 2011, 20, 367-388.	1.1	30
38	Generalized Least Squares F Test in Regression Analysis With Two-Stage Cluster Samples. <i>Journal of the American Statistical Association</i> , 1993, 88, 1388-1391.	3.1	28
39	On Estimating the Variance in Sampling with Probability Proportional to Aggregate Size. <i>Journal of the American Statistical Association</i> , 1977, 72, 579-584.	3.1	25
40	The Existence of Asymptotically Unbiased Nonnegative Quadratic Estimates of Variance Components in ANOVA Models. <i>Journal of the American Statistical Association</i> , 1986, 81, 692-698.	3.1	24
41	Impact of Frequentist and Bayesian Methods on Survey Sampling Practice: A Selective Appraisal. <i>Statistical Science</i> , 2011, 26, .	2.8	24
42	Small area estimation of complex parameters under unit-level models with skewed normal errors. <i>Scandinavian Journal of Statistics</i> , 2018, 45, 1092-1116.	1.4	24
43	On Variance Estimation With Imputed Survey Data. <i>Journal of the American Statistical Association</i> , 1996, 91, 499.	3.1	24
44	On Balanced Half-Sample Variance Estimation in Stratified Random Sampling. <i>Journal of the American Statistical Association</i> , 1996, 91, 343-348.	3.1	23
45	A simple method for analysing overdispersion in clustered Poisson data. , 1999, 18, 1373-1385.		22
46	On the Adjustment of Gross Flow Estimates for Classification Error with Application to Data from the Canadian Labour Force Survey. <i>Journal of the American Statistical Association</i> , 1995, 90, 478-488.	3.1	21
47	Jackknife Variance Estimation under Imputation for Estimators Using Poststratification Information. <i>Journal of the American Statistical Association</i> , 2000, 95, 903-915.	3.1	19
48	Bayesian Empirical Likelihood Inference with Complex Survey Data. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2020, 82, 155-174.	2.2	17
49	Small-Sample Comparisons of Level and Power for Simple Goodness-of-Fit Statistics Under Cluster Sampling. <i>Journal of the American Statistical Association</i> , 1987, 82, 630.	3.1	16
50	Robust Estimation of Mean Squared Error of Small Area Estimators. <i>Journal of the American Statistical Association</i> , 1995, 90, 758.	3.1	16
51	Analysis of Categorical Response Data from Complex Surveys: An Appraisal and Update. , 0, , 85-108.		15
52	Estimating Function Jackknife Variance Estimators Under Stratified Multistage Sampling. <i>Communications in Statistics - Theory and Methods</i> , 2004, 33, 2087-2095.	1.0	12
53	Inference From Stratified Samples: Second-Order Analysis of Three Methods for Nonlinear Statistics. <i>Journal of the American Statistical Association</i> , 1985, 80, 620.	3.1	12
54	Empirical likelihood inference in the presence of measurement error. <i>Canadian Journal of Statistics</i> , 2000, 28, 841-852.	0.9	8

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55	Using Marginal Mean Models for Data from Longitudinal Surveys with a Complex Design: Some Advances in Methods. , 0, , 351-366.		8
56	Empirical likelihood confidence intervals for adaptive cluster sampling. Environmental and Ecological Statistics, 2010, 17, 111-123.	3.5	8
57	Variance Estimation with One Unit Per Stratum. Journal of the American Statistical Association, 1969, 64, 841.	3.1	8
58	Variance Estimation in Two-Stage Cluster Sampling under Imputation for Missing Data. Journal of Statistical Theory and Practice, 2010, 4, 827-844.	0.5	7
59	Small area estimation via unmatched sampling and linking models. Test, 2018, 27, 407-427.	1.1	7
60	Inference for domains under imputation for missing survey data. Canadian Journal of Statistics, 2005, 33, 149-161.	0.9	6
61	On Estimating the Variance in Sampling with Probability Proportional to Aggregate Size. Journal of the American Statistical Association, 1977, 72, 579.	3.1	6
62	The Existence of Asymptotically Unbiased Nonnegative Quadratic Estimates of Variance Components in ANOVA Models. Journal of the American Statistical Association, 1986, 81, 692.	3.1	6
63	Estimation in Dual Frame Surveys With Complex Designs. Journal of the American Statistical Association, 1996, 91, 349.	3.1	6
64	Hierarchical Bayes small area estimation with an unknown link function. Scandinavian Journal of Statistics, 2019, 46, 885-897.	1.4	5
65	Jackknife Variance Estimation with Survey Data Under Hot Deck Imputation. Biometrika, 1992, 79, 811.	2.4	4
66	Inference from Dual Frame Surveys. Journal of the American Statistical Association, 2000, 95, 271.	3.1	4
67	â€œOptimalâ€ Estimation of Correlated Response Variance under Additive Models. Journal of the American Statistical Association, 1991, 86, 144-150.	3.1	3
68	On Balanced Half-Sample Variance Estimation in Stratified Random Sampling. Journal of the American Statistical Association, 1996, 91, 343.	3.1	3
69	Bootstrap confidence intervals for adaptive cluster sampling design based on Horvitzâ€™Thompson type estimators. Environmental and Ecological Statistics, 2014, 21, 351-371.	3.5	2
70	Comments on: Deville and SÃrndalâ€™s calibration: revisiting a 25 years old successful optimization problem. Test, 2019, 28, 1071-1076.	1.1	2
71	A Weighted Composite Likelihood Approach to Inference from Clustered Survey Data Under a Two-Level Model. Sankhya A, 2021, 83, 814-843.	0.8	1
72	On the Adjustment of Gross Flow Estimates for Classification Error With Application to Data from the Canadian Labour Force Survey. Journal of the American Statistical Association, 1995, 90, 478.	3.1	1

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73	Jackknife Variance Estimation under Imputation for Estimators Using Poststratification Information. Journal of the American Statistical Association, 2000, 95, 903.	3.1	1
74	Pseudo empirical likelihood inference for nonprobability survey samples. Canadian Journal of Statistics, 2022, 50, 1166-1185.	0.9	1
75	Empirical likelihood confidence intervals under imputation for missing survey data from stratified simple random sampling. Canadian Journal of Statistics, 2019, 47, 281-301.	0.9	0
76	My Chancy Life as a Statistician. International Statistical Review, 2019, 87, S3-S9.	1.9	0