

James O Berger

List of Publications by Year in descending order

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152
papers

19,604
citations

34016

52
h-index

14702

127
g-index

164
all docs

164
docs citations

164
times ranked

12420
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical Decision Theory and Bayesian Analysis. Springer Series in Statistics, 1985, , .	0.9	4,394
2	Redefine statistical significance. Nature Human Behaviour, 2018, 2, 6-10.	6.2	1,763
3	The Intrinsic Bayes Factor for Model Selection and Prediction. Journal of the American Statistical Association, 1996, 91, 109-122.	1.8	707
4	Optimal predictive model selection. Annals of Statistics, 2004, 32, 870.	1.4	647
5	Calibration of P Values for Testing Precise Null Hypotheses. American Statistician, 2001, 55, 62-71.	0.9	639
6	Testing a Point Null Hypothesis: The Irreconcilability of P Values and Evidence. Journal of the American Statistical Association, 1987, 82, 112-122.	1.8	583
7	Testing a Point Null Hypothesis: The Irreconcilability of P Values and Evidence. Journal of the American Statistical Association, 1987, 82, 112.	1.8	530
8	Testing Precise Hypotheses. Statistical Science, 1987, 2, .	1.6	510
9	The case for objective Bayesian analysis. Bayesian Analysis, 2006, 1, 385.	1.6	486
10	A Framework for Validation of Computer Models. Technometrics, 2007, 49, 138-154.	1.3	465
11	An overview of robust Bayesian analysis. Test, 1994, 3, 5-124.	0.7	456
12	Bayes and empirical-Bayes multiplicity adjustment in the variable-selection problem. Annals of Statistics, 2010, 38, .	1.4	387
13	Statistical Decision Theory. Springer Series in Statistics, 1980, , .	0.9	379
14	Objective Bayesian Analysis of Spatially Correlated Data. Journal of the American Statistical Association, 2001, 96, 1361-1374.	1.8	367
15	The Interplay of Bayesian and Frequentist Analysis. Statistical Science, 2004, 19, 58.	1.6	350
16	The formal definition of reference priors. Annals of Statistics, 2009, 37, .	1.4	292
17	Robust Bayesian analysis: sensitivity to the prior. Journal of Statistical Planning and Inference, 1990, 25, 303-328.	0.4	280
18	P Values for Composite Null Models. Journal of the American Statistical Association, 2000, 95, 1127-1142.	1.8	278

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19	Could Fisher, Jeffreys and Neyman Have Agreed on Testing?. <i>Statistical Science</i> , 2003, 18, 1.	1.6	271
20	Estimating a Product of Means: Bayesian Analysis with Reference Priors. <i>Journal of the American Statistical Association</i> , 1989, 84, 200-207.	1.8	243
21	An exploration of aspects of Bayesian multiple testing. <i>Journal of Statistical Planning and Inference</i> , 2006, 136, 2144-2162.	0.4	243
22	Computer model validation with functional output. <i>Annals of Statistics</i> , 2007, 35, 1874.	1.4	209
23	Estimation of a Covariance Matrix Using the Reference Prior. <i>Annals of Statistics</i> , 1994, 22, 1195.	1.4	203
24	Objective Bayesian Methods for Model Selection: Introduction and Comparison. Lecture Notes-monograph Series / Institute of Mathematical Statistics, 2001, 38, 135-207.	1.0	194
25	The Intrinsic Bayes Factor for Model Selection and Prediction. , 0, .		190
26	Robust Bayes and Empirical Bayes Analysis with ϵ -Contaminated Priors. <i>Annals of Statistics</i> , 1986, 14, 461.	1.4	183
27	Ordered group reference priors with application to the multinomial problem. <i>Biometrika</i> , 1992, 79, 25-37.	1.3	159
28	Three Recommendations for Improving the Use of p -Values. <i>American Statistician</i> , 2019, 73, 186-191.	0.9	152
29	A Robust Generalized Bayes Estimator and Confidence Region for a Multivariate Normal Mean. <i>Annals of Statistics</i> , 1980, 8, 716.	1.4	139
30	Admissible Minimax Estimation of a Multivariate Normal Mean with Arbitrary Quadratic Loss. <i>Annals of Statistics</i> , 1976, 4, 223.	1.4	129
31	Expected-posterior prior distributions for model selection. <i>Biometrika</i> , 2002, 89, 491-512.	1.3	127
32	Empirical Bayes Estimation of Rates in Longitudinal Studies. <i>Journal of the American Statistical Association</i> , 1983, 78, 753-760.	1.8	117
33	Bayesian and Conditional Frequentist Testing of a Parametric Model Versus Nonparametric Alternatives. <i>Journal of the American Statistical Association</i> , 2001, 96, 174-184.	1.8	113
34	P Values for Composite Null Models. <i>Journal of the American Statistical Association</i> , 2000, 95, 1127.	1.8	110
35	Modularization in Bayesian analysis, with emphasis on analysis of computer models. <i>Bayesian Analysis</i> , 2009, 4, .	1.6	105
36	Integrated likelihood methods for eliminating nuisance parameters. <i>Statistical Science</i> , 1999, 14, 1.	1.6	102

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37	Ranges of Posterior Measures for Priors with Unimodal Contaminations. <i>Annals of Statistics</i> , 1989, 17, 868.	1.4	98
38	Rejection odds and rejection ratios: A proposal for statistical practice in testing hypotheses. <i>Journal of Mathematical Psychology</i> , 2016, 72, 90-103.	1.0	98
39	Using Statistical and Computer Models to Quantify Volcanic Hazards. <i>Technometrics</i> , 2009, 51, 402-413.	1.3	92
40	Statistical Interpretation of the RV144 HIV Vaccine Efficacy Trial in Thailand: A Case Study for Statistical Issues in Efficacy Trials. <i>Journal of Infectious Diseases</i> , 2011, 203, 969-975.	1.9	91
41	A Unified Conditional Frequentist and Bayesian Test for Fixed and Sequential Simple Hypothesis Testing. <i>Annals of Statistics</i> , 1994, 22, 1787.	1.4	89
42	Selecting a Minimax Estimator of a Multivariate Normal Mean. <i>Annals of Statistics</i> , 1982, 10, 81.	1.4	88
43	Improving on Inadmissible Estimators in Continuous Exponential Families with Applications to Simultaneous Estimation of Gamma Scale Parameters. <i>Annals of Statistics</i> , 1980, 8, 545.	1.4	87
44	A Bayesian Approach to Subgroup Identification. <i>Journal of Biopharmaceutical Statistics</i> , 2014, 24, 110-129.	0.4	86
45	Minimax Estimation of Location Vectors for a Wide Class of Densities. <i>Annals of Statistics</i> , 1975, 3, 1318.	1.4	84
46	Reference priors with partial information. <i>Biometrika</i> , 1998, 85, 55-71.	1.3	84
47	A Bayesian Approach to Ranking and Selection of Related Means with Alternatives to Analysis-of-Variance Methodology. <i>Journal of the American Statistical Association</i> , 1988, 83, 364-373.	1.8	83
48	Estimating a Product of Means: Bayesian Analysis with Reference Priors. , 0, .		82
49	Bayesian Analysis: A Look at Today and Thoughts of Tomorrow. <i>Journal of the American Statistical Association</i> , 2000, 95, 1269-1276.	1.8	74
50	Approximations and consistency of Bayes factors as model dimension grows. <i>Journal of Statistical Planning and Inference</i> , 2003, 112, 241-258.	0.4	70
51	Integration of Multimodal Functions by Monte Carlo Importance Sampling. <i>Journal of the American Statistical Association</i> , 1993, 88, 450-456.	1.8	68
52	Choice of hierarchical priors: admissibility in estimation of normal means. <i>Annals of Statistics</i> , 1996, 24, 931.	1.4	66
53	Bayesian Robustness. <i>Lecture Notes in Statistics</i> , 2000, , 1-32.	0.1	63
54	Parallel partial Gaussian process emulation for computer models with massive output. <i>Annals of Applied Statistics</i> , 2016, 10, .	0.5	60

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55	Training samples in objective Bayesian model selection. <i>Annals of Statistics</i> , 2004, 32, .	1.4	58
56	Objective priors for the bivariate normal model. <i>Annals of Statistics</i> , 2008, 36, .	1.4	54
57	Automating Emulator Construction for Geophysical Hazard Maps. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2014, 2, 126-152.	1.1	53
58	Bayesian Robustness and the Stein Effect. <i>Journal of the American Statistical Association</i> , 1982, 77, 358-368.	1.8	52
59	Reference Priors in a Variance Components Problem. <i>Lecture Notes in Statistics</i> , 1992, , 177-194.	0.1	51
60	Estimating Shape Constrained Functions Using Gaussian Processes. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2016, 4, 1-25.	1.1	46
61	Minimax estimation of a multivariate normal mean under arbitrary quadratic loss. <i>Journal of Multivariate Analysis</i> , 1976, 6, 256-264.	0.5	45
62	Robust Gaussian stochastic process emulation. <i>Annals of Statistics</i> , 2018, 46, .	1.4	45
63	Objective Priors for Discrete Parameter Spaces. <i>Journal of the American Statistical Association</i> , 2012, 107, 636-648.	1.8	43
64	Subjective Hierarchical Bayes Estimation of a Multivariate Normal Mean: On the Frequentist Interface. <i>Annals of Statistics</i> , 1990, 18, .	1.4	43
65	Posterior propriety and admissibility of hyperpriors in normal hierarchical models. <i>Annals of Statistics</i> , 2005, 33, 606.	1.4	42
66	Noninformative Priors and Bayesian Testing for the AR(1) Model. <i>Econometric Theory</i> , 1994, 10, 461-482.	0.6	41
67	Posterior model probabilities via path-based pairwise priors. <i>Statistica Neerlandica</i> , 2005, 59, 3-15.	0.9	38
68	Lower Bounds on Bayes Factors for Multinomial Distributions, with Application to Chi-Squared Tests of Fit. <i>Annals of Statistics</i> , 1990, 18, .	1.4	38
69	Generalized Bayes Estimators in Multivariate Problems. <i>Annals of Statistics</i> , 1978, 6, 783.	1.4	36
70	Estimation of Normal Means: Frequentist Estimation of Loss. <i>Annals of Statistics</i> , 1989, 17, 890.	1.4	34
71	Noninformative priors for inferences in exponential regression models. <i>Biometrika</i> , 1991, 78, 645-656.	1.3	33
72	Combining Independent Normal Mean Estimation Problems with Unknown Variances. <i>Annals of Statistics</i> , 1976, 4, 642.	1.4	32

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73	Predicting Vehicle Crashworthiness: Validation of Computer Models for Functional and Hierarchical Data. <i>Journal of the American Statistical Association</i> , 2009, 104, 929-943.	1.8	31
74	Bayesian Analysis for the Poly-Weibull Distribution. , 0, .		30
75	Minimax estimation of a multivariate normal mean under polynomial loss. <i>Journal of Multivariate Analysis</i> , 1978, 8, 173-180.	0.5	29
76	Semiparametric Bayesian Analysis of Selection Models. <i>Journal of the American Statistical Association</i> , 2001, 96, 1397-1409.	1.8	26
77	The Effective Sample Size. <i>Econometric Reviews</i> , 2014, 33, 197-217.	0.5	26
78	A Bayesian Approach to Ranking and Selection of Related Means with Alternatives to Analysis-of-Variance Methodology. , 0, .		26
79	Tail Minimality in Location Vector Problems and Its Applications. <i>Annals of Statistics</i> , 1976, 4, 33.	1.4	25
80	Ranges of Posterior Probabilities for Quasiunimodal Priors with Specified Quantiles. <i>Journal of the American Statistical Association</i> , 1988, 83, 503-508.	1.8	25
81	Bayesian Analysis: A Look at Today and Thoughts of Tomorrow. , 0, .		24
82	Unified Conditional Frequentist and Bayesian Testing of Composite Hypotheses. <i>Scandinavian Journal of Statistics</i> , 2003, 30, 193-210.	0.9	23
83	Bayesian robustness in bidimensional models: Prior independence. <i>Journal of Statistical Planning and Inference</i> , 1994, 40, 161-176.	0.4	22
84	On Truncation of Shrinkage Estimators in Simultaneous Estimation of Normal Means. <i>Journal of the American Statistical Association</i> , 1983, 78, 865-869.	1.8	20
85	The application of robust Bayesian analysis to hypothesis testing and Occam's Razor. <i>Journal of the Italian Statistical Society</i> , 1992, 1, 17-32.	0.1	20
86	Admissibility Results for Generalized Bayes Estimators of Coordinates of a Location Vector. <i>Annals of Statistics</i> , 1976, 4, .	1.4	19
87	Empirical Bayes Estimation of Rates in Longitudinal Studies. , 0, .		19
88	Estimated confidence procedures for multivariate normal means. <i>Journal of Statistical Planning and Inference</i> , 1989, 23, 1-19.	0.4	18
89	Interpreting the Stars in Precise Hypothesis Testing. <i>International Statistical Review</i> , 1991, 59, 337.	1.1	18
90	Coupling Computer Models through Linking Their Statistical Emulators. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2018, 6, 1151-1171.	1.1	18

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91	The Median Probability Model and Correlated Variables. <i>Bayesian Analysis</i> , 2021, 16, .	1.6	18
92	Robust Bayesian analysis of selection models. <i>Annals of Statistics</i> , 1998, 26, .	1.4	18
93	Assessing Uncertainties in Traffic Simulation: A Key Component in Model Calibration and Validation. <i>Transportation Research Record</i> , 2004, 1876, 32-40.	1.0	16
94	Statistical Inverse Analysis for a Network Microsimulator. <i>Technometrics</i> , 2005, 47, 388-398.	1.3	16
95	Bayesian Robustness and the Stein Effect. , 0, .		16
96	Estimating the mean function of a Gaussian process and the Stein effect. <i>Journal of Multivariate Analysis</i> , 1983, 13, 401-424.	0.5	15
97	Robust Bayesian analysis of the binomial empirical Bayes problem. <i>Canadian Journal of Statistics</i> , 1993, 21, 107-119.	0.6	15
98	Bayesian sequential reliability for Weibull and related distributions. <i>Annals of the Institute of Statistical Mathematics</i> , 1994, 46, 221-249.	0.5	15
99	On the Statistical Formalism of Uncertainty Quantification. <i>Annual Review of Statistics and Its Application</i> , 2019, 6, 433-460.	4.1	15
100	Bayesian methods for analysis and adaptive scheduling of exoplanet observations. <i>Statistical Methodology</i> , 2012, 9, 101-114.	0.5	14
101	Robust hierarchical Bayes estimation of exchangeable means. <i>Canadian Journal of Statistics</i> , 1991, 19, 39-56.	0.6	13
102	Integration of Multimodal Functions by Monte Carlo Importance Sampling. , 0, .		13
103	Combining coordinates in simultaneous estimation of normal means. <i>Journal of Statistical Planning and Inference</i> , 1983, 8, 143-160.	0.4	11
104	Incoherent phylogeographic inference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, E157; author reply E158.	3.3	11
105	Inadmissibility Results for Generalized Bayes Estimators of Coordinates of a Location Vector. <i>Annals of Statistics</i> , 1976, 4, 302.	1.4	10
106	Parametric Empirical Bayes Inference: Theory and Applications: Comment. <i>Journal of the American Statistical Association</i> , 1983, 78, 55.	1.8	10
107	General Admissibility and Inadmissibility Results for Estimation in a Control Problem. <i>Annals of Statistics</i> , 1982, 10, .	1.4	10
108	Some Bayesian predictive approaches to model selection. <i>Statistics and Probability Letters</i> , 2005, 73, 369-379.	0.4	9

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109	Ranges of Posterior Probabilities for Quasiunimodal Priors with Specified Quantiles. , 0, .		9
110	Natural induction: An objective bayesian approach. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2009, 103, 125-135.	0.6	8
111	Prior-based Bayesian information criterion. Statistical Theory and Related Fields, 2019, 3, 2-13.	0.2	8
112	IMPROVED MINIMAX ESTIMATORS OF NORMAL MEAN VECTORS FOR CERTAIN TYPES OF COVARIANCE MATRICES. , 1977, , 19-36.		8
113	On Truncation of Shrinkage Estimators in Simultaneous Estimation of Normal Means. , 0, .		8
114	Inadmissibility Results for the Best Invariant Estimator of Two Coordinates of a Location Vector. Annals of Statistics, 1976, 4, 1065.	1.4	7
115	Exact convolution of t distributions, with applications to Bayesian inference for a normal mean with t prior distributions $\hat{\mu}^-$. Journal of Statistical Computation and Simulation, 1990, 36, 209-228.	0.7	7
116	Predicting Retirement Patterns: Prediction for a Multinomial Distribution With Constrained Parameter Space. Journal of the Royal Statistical Society: Series D (the Statistician), 1993, 42, 427.	0.2	7
117	Robust Bayesian hypothesis testing in the presence of nuisance parameters. Journal of Statistical Planning and Inference, 1994, 40, 357-373.	0.4	7
118	On the inadmissibility of unbiased estimators. Statistics and Probability Letters, 1990, 9, 381-384.	0.4	6
119	Discussion: On the Consistency of Bayes Estimates. Annals of Statistics, 1986, 14, .	1.4	6
120	Eliminating Singularities of Stein-Type Estimators of Location Vectors. Journal of the Royal Statistical Society Series B: Methodological, 1976, 38, 166-170.	0.8	5
121	INCORPORATING PRIOR INFORMATION IN MINIMAX ESTIMATION OF THE MEAN OF A GAUSSIAN PROCESS. , 1982, , 451-464.		5
122	Optimal robust credible sets for contaminated priors. Statistics and Probability Letters, 1993, 18, 383-388.	0.4	5
123	Robust Bayesian displays for standard inferences concerning a normal mean. Computational Statistics and Data Analysis, 2000, 33, 381-399.	0.7	5
124	Space-time modeling of vertical ozone profiles. Environmetrics, 2003, 14, 617-639.	0.6	5
125	Bayesian analysis with limited communication. Journal of Statistical Planning and Inference, 1991, 28, 1-24.	0.4	4
126	Bayesian Nonparametric Shrinkage Applied to Cepheid Star Oscillations. Statistical Science, 2012, 27, 3-10.	1.6	4

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127	Comparison of Bayesian and Frequentist Multiplicity Correction for Testing Mutually Exclusive Hypotheses Under Data Dependence. <i>Bayesian Analysis</i> , 2021, 16, .	1.6	4
128	Bayesian Estimation of Fuel Economy Potential Due to Technology Improvements. <i>Lecture Notes in Statistics</i> , 1993, , 1-77.	0.1	4
129	Applications and Limitations of Robust Bayesian Bounds and Type II MLE. , 1994, , 121-134.		4
130	An objective prior for hyperparameters in normal hierarchical models. <i>Journal of Multivariate Analysis</i> , 2020, 178, 104606.	0.5	3
131	On the prevalence of information inconsistency in normal linear models. <i>Test</i> , 2021, 30, 103-132.	0.7	3
132	Some Recent Developments in Bayesian Analysis, with Astronomical Illustrations. , 1997, , 15-48.		3
133	Volcanic Hazard Assessment for an Eruption Hiatus, or Post-eruption Unrest Context: Modeling Continued Dome Collapse Hazards for Soufrière Hills Volcano. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	3
134	The stein effect and bayesian analysis: a reexamination. <i>Communications in Statistics - Theory and Methods</i> , 1986, 15, 2005-2023.	0.6	2
135	Why should clinicians care about Bayesian methods?. <i>Journal of Statistical Planning and Inference</i> , 2001, 94, 65-67.	0.4	2
136	Discussion: Construction of Improved Estimators in Multiparameter Estimation for Discrete Exponential Families. <i>Annals of Statistics</i> , 1983, 11, 368.	1.4	1
137	Estimation of multiple gamma scale-parameters: bayes estimation subject to uniform domination. <i>Communications in Statistics - Theory and Methods</i> , 1986, 15, 2065-2086.	0.6	1
138	Bayesian Variable Selection in Linear Regression: Comment. <i>Journal of the American Statistical Association</i> , 1988, 83, 1033.	1.8	1
139	Bayesian Model Selection and Analysis for Cepheid Star Oscillations. , 2003, , 71-88.		1
140	Frequentist Properties of Bayesian Multiplicity Control for Multiple Testing of Normal Means. <i>Sankhya A</i> , 2020, 82, 310-329.	0.4	1
141	Minimaxity of Empirical Bayes Estimators Derived from Subjective Hyperpriors. , 1987, , 1-12.		1
142	Rejection Odds and Rejection Ratios: A Proposal for Statistical Practice in Testing Hypotheses. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
143	Larry Brown's Contributions to Parametric Inference, Decision Theory and Foundations: A Survey. <i>Statistical Science</i> , 2019, 34, .	1.6	1
144	Abraham Wald's Work on Aircraft Survivability: Comment. <i>Journal of the American Statistical Association</i> , 1984, 79, 267.	1.8	0

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145	Discussion: An Ancillarity Paradox which Appears in Multiple Linear Regression. Annals of Statistics, 1990, 18, 493.	1.4	0
146	Discussion of David Freedman's "Some issues in the foundations of statistics", Foundations of Science, 1995, 1, 41-67.	0.4	0
147	Some Recent Developments in Bayesian Variable Selection. AIP Conference Proceedings, 2004, , .	0.3	0
148	Statistische und Probabilistische Methoden der Modellwahl. Oberwolfach Reports, 2006, 2, 2611-2704.	0.0	0
149	Statistical Decision Theory. , 2008, , 1-7.		0
150	Conditioning is the issue. , 2014, , 253-266.		0
151	Reply to Discussion. , 1988, , 64-72.		0
152	Statistical Decision Theory. , 2018, , 12990-12996.		0