James O Berger

List of Publications by Year
in descending order

152 papers	19,604 citations	30070 54 h-index	11607 135 g-index
164 all docs	164 docs citations	164 times ranked	12420 citing authors

#	Article	IF	Citations
1	On the prevalence of information inconsistency in normal linear models. Test, 2021, 30, 103-132.	1.1	3
2	The Median Probability Model and Correlated Variables. Bayesian Analysis, 2021, 16, .	3.0	18
3	Comparison of Bayesian and Frequentist Multiplicity Correction for Testing Mutually Exclusive Hypotheses Under Data Dependence. Bayesian Analysis, 2021, 16, .	3.0	4
4	An objective prior for hyperparameters in normal hierarchical models. Journal of Multivariate Analysis, 2020, 178, 104606.	1.0	3
5	Frequentist Properties of Bayesian Multiplicity Control for Multiple Testing of Normal Means. Sankhya A, 2020, 82, 310-329.	0.8	1
6	Volcanic Hazard Assessment for an Eruption Hiatus, or Post-eruption Unrest Context: Modeling Continued Dome Collapse Hazards for SoufriÃ¨re Hills Volcano. Frontiers in Earth Science, 2020, 8, .	1.8	3
7	Prior-based Bayesian information criterion. Statistical Theory and Related Fields, 2019, 3, 2-13.	0.4	8
8	Three Recommendations for Improving the Use of p-Values. American Statistician, 2019, 73, 186-191.	1.6	152
9	On the Statistical Formalism of Uncertainty Quantification. Annual Review of Statistics and Its Application, 2019, 6, 433-460.	7.0	15
10	Larry Brownâ€™s Contributions to Parametric Inference, Decision Theory and Foundations: A Survey. Statistical Science, 2019, 34, .	2.8	1
11	Redefine statistical significance. Nature Human Behaviour, 2018, 2, 6-10.	12.0	1,763
12	Robust Gaussian stochastic process emulation. Annals of Statistics, 2018, 46, .	2.6	45
13	Coupling Computer Models through Linking Their Statistical Emulators. SIAM-ASA Journal on Uncertainty Quantification, 2018, 6, 1151-1171.	2.0	18
14	Statistical Decision Theory. , 2018, , 12990-12996.		0
15	Parallel partial Gaussian process emulation for computer models with massive output. Annals of Applied Statistics, 2016, 10, .	1.1	60
16	Estimating Shape Constrained Functions Using Gaussian Processes. SIAM-ASA Journal on Uncertainty Quantification, 2016, 4, 1-25.	2.0	46
17	Rejection odds and rejection ratios: A proposal for statistical practice in testing hypotheses. Journal of Mathematical Psychology, 2016, 72, 90-103.	1.8	98
18	A Bayesian Approach to Subgroup Identification. Journal of Biopharmaceutical Statistics, 2014, 24, 110-129.	0.8	86

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19	Automating Emulator Construction for Geophysical Hazard Maps. SIAM-ASA Journal on Uncertainty Quantification, 2014, 2, 126-152.	2.0	53
20	The Effective Sample Size. Econometric Reviews, 2014, 33, 197-217.	1.1	26
21	Conditioning is the issue. , 2014, , 253-266.		0
22	Objective Priors for Discrete Parameter Spaces. Journal of the American Statistical Association, 2012, 107, 636-648.	3.1	43
23	Bayesian Nonparametric Shrinkage Applied to Cepheid Star Oscillations. Statistical Science, 2012, 27, 3-10.	2.8	4
24	Bayesian methods for analysis and adaptive scheduling of exoplanet observations. Statistical Methodology, 2012, 9, 101-114.	0.5	14
25	Statistical Interpretation of the RV144 HIV Vaccine Efficacy Trial in Thailand: A Case Study for Statistical Issues in Efficacy Trials. Journal of Infectious Diseases, 2011, 203, 969-975.	4.0	91
26	Bayes and empirical-Bayes multiplicity adjustment in the variable-selection problem. Annals of Statistics, 2010, 38, .	2.6	387
27	Incoherent phylogeographic inference. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, E157; author reply E158.	7.1	11
28	Using Statistical and Computer Models to Quantify Volcanic Hazards. Technometrics, 2009, 51, 402-413.	1.9	92
29	Natural induction: An objective bayesian approach. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2009, 103, 125-135.	1.2	8
30	Predicting Vehicle Crashworthiness: Validation of Computer Models for Functional and Hierarchical Data. Journal of the American Statistical Association, 2009, 104, 929-943.	3.1	31
31	The formal definition of reference priors. Annals of Statistics, 2009, 37, .	2.6	292
32	Modularization in Bayesian analysis, with emphasis on analysis of computer models. Bayesian Analysis, 2009, 4, .	3.0	105
33	Objective priors for the bivariate normal model. Annals of Statistics, 2008, 36, .	2.6	54
34	Statistical Decision Theory. , 2008, , 1-7.		0
35	A Framework for Validation of Computer Models. Technometrics, 2007, 49, 138-154.	1.9	465
36	Computer model validation with functional output. Annals of Statistics, 2007, 35, 1874.	2.6	209

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37	Statistische und Probabilistische Methoden der Modellwahl. Oberwolfach Reports, 2006, 2, 2611-2704.	0.0	0
38	The case for objective Bayesian analysis. Bayesian Analysis, 2006, 1, 385.	3.0	486
39	An exploration of aspects of Bayesian multiple testing. Journal of Statistical Planning and Inference, 2006, 136, 2144-2162.	0.6	243
40	Some Bayesian predictive approaches to model selection. Statistics and Probability Letters, 2005, 73, 369-379.	0.7	9
41	Posterior model probabilities via path-based pairwise priors. Statistica Neerlandica, 2005, 59, 3-15.	1.6	38
42	Posterior propriety and admissibility of hyperpriors in normal hierarchical models. Annals of Statistics, 2005, 33, 606.	2.6	42
43	Statistical Inverse Analysis for a Network Microsimulator. Technometrics, 2005, 47, 388-398.	1.9	16
44	Assessing Uncertainties in Traffic Simulation: A Key Component in Model Calibration and Validation. Transportation Research Record, 2004, 1876, 32-40.	1.9	16
45	Some Recent Developments in Bayesian Variable Selection. AIP Conference Proceedings, 2004, , .	0.4	0
46	The Interplay of Bayesian and Frequentist Analysis. Statistical Science, 2004, 19, 58.	2.8	350
47	Optimal predictive model selection. Annals of Statistics, 2004, 32, 870.	2.6	647
48	Training samples in objective Bayesian model selection. Annals of Statistics, 2004, 32, .	2.6	58
49	Space-time modeling of vertical ozone profiles. Environmetrics, 2003, 14, 617-639.	1.4	5
50	Approximations and consistency of Bayes factors as model dimension grows. Journal of Statistical Planning and Inference, 2003, 112, 241-258.	0.6	70
51	Unified Conditional Frequentist and Bayesian Testing of Composite Hypotheses. Scandinavian Journal of Statistics, 2003, 30, 193-210.	1.4	23
52	Could Fisher, Jeffreys and Neyman Have Agreed on Testing?. Statistical Science, 2003, 18, 1.	2.8	271
53	Bayesian Model Selection and Analysis for Cepheid Star Oscillations. , 2003, , 71-88.		1
54	Expected-posterior prior distributions for model selection. Biometrika, 2002, 89, 491-512.	2.4	127

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55	Objective Bayesian Analysis of Spatially Correlated Data. Journal of the American Statistical Association, 2001, 96, 1361-1374.	3.1	367
56	Calibration of P Values for Testing Precise Null Hypotheses. American Statistician, 2001, 55, 62-71.	1.6	639
57	Semiparametric Bayesian Analysis of Selection Models. Journal of the American Statistical Association, 2001, 96, 1397-1409.	3.1	26
58	Objective Bayesian Methods for Model Selection: Introduction and Comparison. Lecture Notes-monograph Series / Institute of Mathematical Statistics, 2001, 38, 135-207.	1.0	194
59	Why should clinicians care about Bayesian methods?. Journal of Statistical Planning and Inference, 2001, 94, 65-67.	0.6	2
60	Bayesian and Conditional Frequentist Testing of a Parametric Model Versus Nonparametric Alternatives. Journal of the American Statistical Association, 2001, 96, 174-184.	3.1	113
61	Robust Bayesian displays for standard inferences concerning a normal mean. Computational Statistics and Data Analysis, 2000, 33, 381-399.	1.2	5
62	Bayesian Robustness. Lecture Notes in Statistics, 2000, , 1-32.	0.2	63
63	Bayesian Analysis: A Look at Today and Thoughts of Tomorrow. Journal of the American Statistical Association, 2000, 95, 1269-1276.	3.1	74
64	P Values for Composite Null Models. Journal of the American Statistical Association, 2000, 95, 1127.	3.1	110
65	<i>P</i> Values for Composite Null Models. Journal of the American Statistical Association, 2000, 95, 1127-1142.	3.1	278
66	Bayesian Analysis: A Look at Today and Thoughts of Tomorrow. Journal of the American Statistical Association, 2000, 95, 1269.	3.1	24
67	Integrated likelihood methods for eliminating nuisance parameters. Statistical Science, 1999, 14, 1.	2.8	102
68	Reference priors with partial information. Biometrika, 1998, 85, 55-71.	2.4	84
69	Robust Bayesian analysis of selection models. Annals of Statistics, 1998, 26, .	2.6	18
70	Some Recent Developments in Bayesian Analysis, with Astronomical Illustrations. , 1997, , 15-48.		3
71	The Intrinsic Bayes Factor for Model Selection and Prediction. Journal of the American Statistical Association, 1996, 91, 109-122.	3.1	707
72	Choice of hierarchical priors: admissibility in estimation of normal means. Annals of Statistics, 1996, 24, 931.	2.6	66

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73	The Intrinsic Bayes Factor for Model Selection and Prediction. Journal of the American Statistical Association, 1996, 91, 109.	3.1	190
74	Discussion of David Freedman's "Some issues in the foundations of statistics" Foundations of Science, 1995, 1, 41-67.	0.7	0
75	A Unified Conditional Frequentist and Bayesian Test for Fixed and Sequential Simple Hypothesis Testing. Annals of Statistics, 1994, 22, 1787.	2.6	89
76	Estimation of a Covariance Matrix Using the Reference Prior. Annals of Statistics, 1994, 22, 1195.	2.6	203
77	Bayesian sequential reliability for Weibull and related distributions. Annals of the Institute of Statistical Mathematics, 1994, 46, 221-249.	0.8	15
78	Bayesian robustness in bidimensional models: Prior independence. Journal of Statistical Planning and Inference, 1994, 40, 161-176.	0.6	22
79	Robust Bayesian hypothesis testing in the presence of nuisance parameters. Journal of Statistical Planning and Inference, 1994, 40, 357-373.	0.6	7
80	An overview of robust Bayesian analysis. Test, 1994, 3, 5-124.	1.1	456
81	Noninformative Priors and Bayesian Testing for the AR(1) Model. Econometric Theory, 1994, 10, 461-482.	0.7	41
82	Applications and Limitations of Robust Bayesian Bounds and Type II MLE. , 1994, , 121-134.		4
83	Optimal robust credible sets for contaminated priors. Statistics and Probability Letters, 1993, 18, 383-388.	0.7	5
84	Robust Bayesian analysis of the binomial empirical Bayes problem. Canadian Journal of Statistics, 1993, 21, 107-119.	0.9	15
85	Integration of Multimodal Functions by Monte Carlo Importance Sampling. Journal of the American Statistical Association, 1993, 88, 450-456.	3.1	68
86	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
87	Bayesian Estimation of Fuel Economy Potential Due to Technology Improvements. Lecture Notes in Statistics, 1993, , 1-77.	0.2	4
88	Integration of Multimodal Functions by Monte Carlo Importance Sampling. Journal of the American Statistical Association, 1993, 88, 450.	3.1	13
89	Bayesian Analysis for the Poly-Weibull Distribution. Journal of the American Statistical Association, 1993, 88, 1412.	3.1	30
90	Ordered group reference priors with application to the multinomial problem. Biometrika, 1992, 79, 25-37.	2.4	159

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91	The application of robust Bayesian analysis to hypothesis testing and Occam's Razor. Journal of the Italian Statistical Society, 1992, 1, 17-32.	0.1	20
92	Reference Priors in a Variance Components Problem. Lecture Notes in Statistics, 1992, , 177-194.	0.2	51
93	Interpreting the Stars in Precise Hypothesis Testing. International Statistical Review, 1991, 59, 337.	1.9	18
94	Bayesian analysis with limited communication. Journal of Statistical Planning and Inference, 1991, 28, 1-24.	0.6	4
95	Robust hierarchical Bayes estimation of exchangeable means. Canadian Journal of Statistics, 1991, 19, 39-56.	0.9	13
96	Noninformative priors for inferences in exponential regression models. Biometrika, 1991, 78, 645-656.	2.4	33
97	Discussion: An Ancillarity Paradox which Appears in Multiple Linear Regression. Annals of Statistics, 1990, 18, 493.	2.6	0
98	Robust Bayesian analysis: sensitivity to the prior. Journal of Statistical Planning and Inference, 1990, 25, 303-328.	0.6	280
99	On the inadmissibility of unbiased estimators. Statistics and Probability Letters, 1990, 9, 381-384.	0.7	6
100	Exact convolution of t distributions, with applications to Bayesian inference for a normal mean with t prior distributions$^{−}$. Journal of Statistical Computation and Simulation, 1990, 36, 209-228.	1.2	7
101	Subjective Hierarchical Bayes Estimation of a Multivariate Normal Mean: On the Frequentist Interface. Annals of Statistics, 1990, 18, .	2.6	43
102	Lower Bounds on Bayes Factors for Multinomial Distributions, with Application to Chi-Squared Tests of Fit. Annals of Statistics, 1990, 18, .	2.6	38
103	Estimated confidence procedures for multivariate normal means. Journal of Statistical Planning and Inference, 1989, 23, 1-19.	0.6	18
104	Estimating a Product of Means: Bayesian Analysis with Reference Priors. Journal of the American Statistical Association, 1989, 84, 200-207.	3.1	243
105	Estimation of Normal Means: Frequentist Estimation of Loss. Annals of Statistics, 1989, 17, 890.	2.6	34
106	Ranges of Posterior Measures for Priors with Unimodal Contaminations. Annals of Statistics, 1989, 17, 868.	2.6	98
107	Estimating a Product of Means: Bayesian Analysis with Reference Priors. Journal of the American Statistical Association, 1989, 84, 200.	3.1	82
108	Bayesian Variable Selection in Linear Regression: Comment. Journal of the American Statistical Association, 1988, 83, 1033.	3.1	1

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109	A Bayesian Approach to Ranking and Selection of Related Means with Alternatives to Analysis-of-Variance Methodology. Journal of the American Statistical Association, 1988, 83, 364-373.	3.1	83
110	Ranges of Posterior Probabilities for Quasiunimodal Priors with Specified Quantiles. Journal of the American Statistical Association, 1988, 83, 503-508.	3.1	25
111	A Bayesian Approach to Ranking and Selection of Related Means With Alternatives to Analysis-of-Variance Methodology. Journal of the American Statistical Association, 1988, 83, 364.	3.1	26
112	Ranges of Posterior Probabilities for Quasiunimodal Priors With Specified Quantiles. Journal of the American Statistical Association, 1988, 83, 503.	3.1	9
113	Reply to Discussion. , 1988, , 64-72.		0
114	Testing a Point Null Hypothesis: The Irreconcilability of <i>P</i> Values and Evidence. Journal of the American Statistical Association, 1987, 82, 112-122.	3.1	583
115	Testing a Point Null Hypothesis: The Irreconcilability of P Values and Evidence. Journal of the American Statistical Association, 1987, 82, 112.	3.1	530
116	Minimaxity of Empirical Bayes Estimators Derived from Subjective Hyperpriors. , 1987, , 1-12.		1
117	Testing Precise Hypotheses. Statistical Science, 1987, 2, .	2.8	510
118	Estimation of multiple gamma scale-parameters: bayes estimation subject to uniform domination. Communications in Statistics - Theory and Methods, 1986, 15, 2065-2086.	1.0	1
119	Robust Bayes and Empirical Bayes Analysis with $_\epsilon$-Contaminated Priors. Annals of Statistics, 1986, 14, 461.	2.6	183
120	The stein effect and bayesian analysis: a reexamination. Communications in Statistics - Theory and Methods, 1986, 15, 2005-2023.	1.0	2
121	Discussion: On the Consistency of Bayes Estimates. Annals of Statistics, 1986, 14, .	2.6	6
122	Statistical Decision Theory and Bayesian Analysis. Springer Series in Statistics, 1985, , .	0.9	4,394
123	Abraham Wald's Work on Aircraft Survivability: Comment. Journal of the American Statistical Association, 1984, 79, 267.	3.1	0
124	Estimating the mean function of a Gaussian process and the Stein effect. Journal of Multivariate Analysis, 1983, 13, 401-424.	1.0	15
125	Combining coordinates in simultaneous estimation of normal means. Journal of Statistical Planning and Inference, 1983, 8, 143-160.	0.6	11
126	Parametric Empirical Bayes Inference: Theory and Applications: Comment. Journal of the American Statistical Association, 1983, 78, 55.	3.1	10

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127	Empirical Bayes Estimation of Rates in Longitudinal Studies. Journal of the American Statistical Association, 1983, 78, 753-760.	3.1	117
128	On Truncation of Shrinkage Estimators in Simultaneous Estimation of Normal Means. Journal of the American Statistical Association, 1983, 78, 865-869.	3.1	20
129	Discussion: Construction of Improved Estimators in Multiparameter Estimation for Discrete Exponential Families. Annals of Statistics, 1983, 11, 368.	2.6	1
130	Empirical Bayes Estimation of Rates in Longitudinal Studies. Journal of the American Statistical Association, 1983, 78, 753.	3.1	19
131	On Truncation of Shrinkage Estimators in Simultaneous Estimation of Normal Means. Journal of the American Statistical Association, 1983, 78, 865.	3.1	8
132	Bayesian Robustness and the Stein Effect. Journal of the American Statistical Association, 1982, 77, 358-368.	3.1	52
133	Selecting a Minimax Estimator of a Multivariate Normal Mean. Annals of Statistics, 1982, 10, 81.	2.6	88
134	INCORPORATING PRIOR INFORMATION IN MINIMAX ESTIMATION OF THE MEAN OF A GAUSSIAN PROCESS. , 1982, , 451-464.		5
135	General Admissibility and Inadmissibility Results for Estimation in a Control Problem. Annals of Statistics, 1982, 10, .	2.6	10
136	Bayesian Robustness and the Stein Effect. Journal of the American Statistical Association, 1982, 77, 358.	3.1	16
137	A Robust Generalized Bayes Estimator and Confidence Region for a Multivariate Normal Mean. Annals of Statistics, 1980, 8, 716.	2.6	139
138	Statistical Decision Theory. Springer Series in Statistics, 1980, , .	0.9	379
139	Improving on Inadmissible Estimators in Continuous Exponential Families with Applications to Simultaneous Estimation of Gamma Scale Parameters. Annals of Statistics, 1980, 8, 545.	2.6	87
140	Minimax estimation of a multivariate normal mean under polynomial loss. Journal of Multivariate Analysis, 1978, 8, 173-180.	1.0	29
141	Generalized Bayes Estimators in Multivariate Problems. Annals of Statistics, 1978, 6, 783.	2.6	36
142	IMPROVED MINIMAX ESTIMATORS OF NORMAL MEAN VECTORS FOR CERTAIN TYPES OF COVARIANCE MATRICES. , 1977, , 19-36.		8
143	Admissible Minimax Estimation of a Multivariate Normal Mean with Arbitrary Quadratic Loss. Annals of Statistics, 1976, 4, 223.	2.6	129
144	Eliminating Singularities of Stein–Type Estimators of Location Vectors. Journal of the Royal Statistical Society Series B: Methodological, 1976, 38, 166-170.	0.7	5

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145	Combining Independent Normal Mean Estimation Problems with Unknown Variances. Annals of Statistics, 1976, 4, 642.	2.6	32
146	Inadmissibility Results for the Best Invariant Estimator of Two Coordinates of a Location Vector. Annals of Statistics, 1976, 4, 1065.	2.6	7
147	Inadmissibility Results for Generalized Bayes Estimators of Coordinates of a Location Vector. Annals of Statistics, 1976, 4, 302.	2.6	10
148	Minimax estimation of a multivariate normal mean under arbitrary quadratic loss. Journal of Multivariate Analysis, 1976, 6, 256-264.	1.0	45
149	Tail Minimaxity in Location Vector Problems and Its Applications. Annals of Statistics, 1976, 4, 33.	2.6	25
150	Admissibility Results for Generalized Bayes Estimators of Coordinates of a Location Vector. Annals of Statistics, 1976, 4, .	2.6	19
151	Minimax Estimation of Location Vectors for a Wide Class of Densities. Annals of Statistics, 1975, 3, 1318.	2.6	84
152	Rejection Odds and Rejection Ratios: A Proposal for Statistical Practice in Testing Hypotheses. SSRN Electronic Journal, 0, , .	0.4	1