

Luis Pericchi

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

5,146
citations

236925

25
h-index

133252

59
g-index

66
all docs

66
docs citations

66
times ranked

6386
citing authors

#	ARTICLE	IF	CITATIONS
1	Redefine statistical significance. <i>Nature Human Behaviour</i> , 2018, 2, 6-10.	12.0	1,763
2	The Intrinsic Bayes Factor for Model Selection and Prediction. <i>Journal of the American Statistical Association</i> , 1996, 91, 109-122.	3.1	707
3	An overview of robust Bayesian analysis. <i>Test</i> , 1994, 3, 5-124.	1.1	456
4	Using Stacking to Average Bayesian Predictive Distributions (with Discussion). <i>Bayesian Analysis</i> , 2018, 13, .	3.0	304
5	A fully probabilistic approach to extreme rainfall modeling. <i>Journal of Hydrology</i> , 2003, 273, 35-50.	5.4	241
6	Objective Bayesian Methods for Model Selection: Introduction and Comparison. <i>Lecture Notes-monograph Series / Institute of Mathematical Statistics</i> , 2001, 38, 135-207.	1.0	194
7	The Intrinsic Bayes Factor for Model Selection and Prediction. <i>Journal of the American Statistical Association</i> , 1996, 91, 109.	3.1	190
8	Anticipating catastrophes through extreme value modelling. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2003, 52, 405-416.	1.0	123
9	Robust Bayesian Credible Intervals and Prior Ignorance. <i>International Statistical Review</i> , 1991, 59, 1.	1.9	75
10	Walls talk: Microbial biogeography of homes spanning urbanization. <i>Science Advances</i> , 2016, 2, e1501061.	10.3	72
11	A Bayesian approach to transformations to normality. <i>Biometrika</i> , 1981, 68, 35-43.	2.4	61
12	Bacterial Community in the Crop of the Hoatzin, a Neotropical Folivorous Flying Bird. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5905-5912.	3.1	61
13	Amerindian <i>Helicobacter pylori</i> Strains Go Extinct, as European Strains Expand Their Host Range. <i>PLoS ONE</i> , 2008, 3, e3307.	2.5	61
14	Training samples in objective Bayesian model selection. <i>Annals of Statistics</i> , 2004, 32, .	2.6	58
15	Prognostic indicators of chronic chagasic cardiopathy. <i>International Journal of Cardiology</i> , 1991, 30, 195-202.	1.7	50
16	Changing statistical significance with the amount of information: The adaptive $\hat{\alpha}$ significance level. <i>Statistics and Probability Letters</i> , 2014, 85, 20-24.	0.7	42
17	The relation between theory and application in statistics. <i>Test</i> , 1995, 4, 207-261.	1.1	41
18	Quick Anomaly Detection by the Newcomb's Benford Law, with Applications to Electoral Processes Data from the USA, Puerto Rico and Venezuela. <i>Statistical Science</i> , 2011, 26, .	2.8	41

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19	Comparing Gaussian graphical models with the posterior predictive distribution and Bayesian model selection.. <i>Psychological Methods</i> , 2020, 25, 653-672.	3.5	40
20	A case for a reassessment of the risks of extreme hydrological hazards in the Caribbean. <i>Stochastic Environmental Research and Risk Assessment</i> , 2006, 20, 296-306.	4.0	39
21	Bayesian heavy-tailed models and conflict resolution: A review. <i>Brazilian Journal of Probability and Statistics</i> , 2012, 26, .	0.4	32
22	An alternative to the standard Bayesian procedure for discrimination between normal linear models. <i>Biometrika</i> , 1984, 71, 575-586.	2.4	29
23	Optimization of synthesis and peptization steps to obtain iron oxide nanoparticles with high energy dissipation rates. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 394, 361-371.	2.3	27
24	The Effective Sample Size. <i>Econometric Reviews</i> , 2014, 33, 197-217.	1.1	26
25	Adaptative significance levels using optimal decision rules: Balancing by weighting the error probabilities. <i>Brazilian Journal of Probability and Statistics</i> , 2016, 30, .	0.4	25
26	HELICOBACTER PYLORI AND INTESTINAL PARASITES ARE NOT DETRIMENTAL TO THE NUTRITIONAL STATUS OF AMERINDIANS. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 76, 534-540.	1.4	25
27	A case for robust Bayesian priors with applications to clinical trials. <i>Bayesian Analysis</i> , 2009, 4, .	3.0	24
28	Posterior Cumulant Relationships in Bayesian Inference Involving the Exponential Family. <i>Journal of the American Statistical Association</i> , 1993, 88, 1419-1426.	3.1	23
29	Exact and Approximate Posterior Moments for a Normal Location Parameter. <i>Journal of the Royal Statistical Society Series B: Methodological</i> , 1992, 54, 793-804.	0.7	21
30	The Matrix-F Prior for Estimating and Testing Covariance Matrices. <i>Bayesian Analysis</i> , 2018, 13, .	3.0	21
31	Posterior robustness with more than one sampling model. <i>Journal of Statistical Planning and Inference</i> , 1994, 40, 279-294.	0.6	19
32	A note on bounded influence in Bayesian analysis. <i>Biometrika</i> , 1995, 82, 223-225.	2.4	19
33	Comparison of PCR and common clinical tests for the diagnosis of H. pylori in dyspeptic patients. <i>Diagnostic Microbiology and Infectious Disease</i> , 2001, 39, 207-210.	1.8	19
34	The Scaled Beta2 Distribution as a Robust Prior for Scales. <i>Bayesian Analysis</i> , 2017, 12, .	3.0	19
35	Bayesian robustness for hierarchical $\hat{\mu}$ -contamination models. <i>Journal of Statistical Planning and Inference</i> , 1993, 37, 159-167.	0.6	14
36	Machine-learning-assisted screening of pure-silica zeolites for effective removal of linear siloxanes and derivatives. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3228-3237.	10.3	14

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37	Modification of christensen urease test as an inexpensive tool for detection of Helicobacter pylori. Diagnostic Microbiology and Infectious Disease, 1997, 28, 149-152.	1.8	13
38	Burden of Stroke in Puerto Rico. International Journal of Stroke, 2015, 10, 117-119.	5.9	12
39	Assessing conditional extremal risk of flooding in Puerto Rico. Stochastic Environmental Research and Risk Assessment, 2009, 23, 399-410.	4.0	11
40	Phylogeographic evidence of cognate recognition site patterns and transformation efficiency differences in H. pylori: theory of strain dominance. BMC Microbiology, 2013, 13, 211.	3.3	11
41	Short report: socioeconomic and seasonal variations of Helicobacter pylori infection in patients in Venezuela.. American Journal of Tropical Medicine and Hygiene, 2002, 66, 49-51.	1.4	11
42	An alternative to the Inverted Gamma for the variances to modelling outliers and structural breaks in dynamic models. Brazilian Journal of Probability and Statistics, 2014, 28, .	0.4	10
43	Grouped Likelihood for the Shifted Power Transformation. Journal of the Royal Statistical Society Series B: Methodological, 1991, 53, 473-482.	0.7	9
44	Near ignorance classes of log-concave priors for the location model. Test, 1992, 1, 39-46.	1.1	9
45	Prior-based Bayesian information criterion. Statistical Theory and Related Fields, 2019, 3, 2-13.	0.4	8
46	Balancing producer and consumer risks in optimal attribute testing: A unified Bayesian/Frequentist design. European Journal of Operational Research, 2020, 286, 576-587.	5.7	8
47	Incidence, in-hospital case-fatality rates, and management practices in Puerto Ricans hospitalized with acute myocardial infarction. Puerto Rico Health Sciences Journal, 2013, 32, 138-45.	0.2	7
48	Adaptive revised standards for statistical evidence. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1935.	7.1	6
49	Posterior Cumulant Relationships in Bayesian Inference Involving the Exponential Family. Journal of the American Statistical Association, 1993, 88, 1419.	3.1	6
50	On Some Problems in Bayesian Model Choice in Hydrology. Journal of the Royal Statistical Society: Series D (the Statistician), 1983, 32, 273.	0.2	5
51	Applying non-parametric robust Bayesian analysis to non-opinionated judicial neutrality. Journal of Statistical Planning and Inference, 2002, 102, 425-439.	0.6	4
52	Effects of prior distributions: An application to pipedwater demand. Brazilian Journal of Probability and Statistics, 2018, 32, .	0.4	4
53	On $\hat{\mu}$ -contaminated priors with quantile and piece-wise unimodality constraints. Communications in Statistics - Theory and Methods, 1993, 22, 1963-1978.	1.0	3
54	A robust Bayesian dynamic linear model for Latin-American economic time series: the Mexico and Puerto Rico cases. Latin American Economic Review, 2015, 24, .	0.1	3

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55	Objective Bayesian Inference in Probit Models with Intrinsic Priors Using Variational Approximations. <i>Entropy</i> , 2020, 22, 513.	2.2	3
56	Rhesus rotavirus-based quadrivalent vaccine is efficacious despite age, socioeconomic conditions and seasonality in Venezuela. <i>Vaccine</i> , 2000, 19, 976-981.	3.8	2
57	Large classes of proper priors for linear models. <i>Communications in Statistics - Theory and Methods</i> , 1994, 23, 2493-2501.	1.0	1
58	An Automatic Bayesian Procedure for Likelihoods with Shifted Origin. <i>Journal of the Royal Statistical Society: Series D (the Statistician)</i> , 1998, 47, 323-332.	0.2	1
59	Increasing the replicability for linear models via adaptive significance levels. <i>Test</i> , 2022, 31, 771-789.	1.1	1
60	Statistical assessment of total heat losses from externally finned tubes using various spatially weighted mean Biot numbers. <i>International Journal of Heat and Fluid Flow</i> , 1992, 13, 399-407.	2.4	0
61	Abstract 1283: Prevalence of synchronous oligopolyposis in Hispanics with incident colorectal cancer: A population-based analysis. , 2014, , .		0