Luis Pericchi

List of Publications by Year
in descending order

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	Increasing the replicability for linear models via adaptive significance levels. Test, 2022, 31, 771-789.	1.1	1
2	Machine-learning-assisted screening of pure-silica zeolites for effective removal of linear siloxanes and derivatives. Journal of Materials Chemistry A, 2020, 8, 3228-3237.	10.3	14
3	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
4	Objective Bayesian Inference in Probit Models with Intrinsic Priors Using Variational Approximations. Entropy, 2020, 22, 513.	2.2	3
5	Comparing Gaussian graphical models with the posterior predictive distribution and Bayesian model selection.. Psychological Methods, 2020, 25, 653-672.	3.5	40
6	Prior-based Bayesian information criterion. Statistical Theory and Related Fields, 2019, 3, 2-13.	0.4	8
7	Redefine statistical significance. Nature Human Behaviour, 2018, 2, 6-10.	12.0	1,763
8	The Matrix-F Prior for Estimating and Testing Covariance Matrices. Bayesian Analysis, 2018, 13, .	3.0	21
9	Using Stacking to Average Bayesian Predictive Distributions (with Discussion). Bayesian Analysis, 2018, 13, .	3.0	304
10	Effects of prior distributions: An application to pipedwater demand. Brazilian Journal of Probability and Statistics, 2018, 32, .	0.4	4
11	The Scaled Beta2 Distribution as a Robust Prior for Scales. Bayesian Analysis, 2017, 12, .	3.0	19
12	Adaptative significance levels using optimal decision rules: Balancing by weighting the error probabilities. Brazilian Journal of Probability and Statistics, 2016, 30, .	0.4	25
13	Walls talk: Microbial biogeography of homes spanning urbanization. Science Advances, 2016, 2, e1501061.	10.3	72
14	A robust Bayesian dynamic linear model for Latin-American economic time series: â€œthe Mexico and Puerto Rico casesâ€• Latin American Economic Review, 2015, 24, .	0.1	3
15	Optimization of synthesis and peptization steps to obtain iron oxide nanoparticles with high energy dissipation rates. Journal of Magnetism and Magnetic Materials, 2015, 394, 361-371.	2.3	27
16	Burden of Stroke in Puerto Rico. International Journal of Stroke, 2015, 10, 117-119.	5.9	12
17	Changing statistical significance with the amount of information: The adaptive α significance level. Statistics and Probability Letters, 2014, 85, 20-24.	0.7	42
18	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

#	Article	IF	Citations
19	The Effective Sample Size. Econometric Reviews, 2014, 33, 197-217.	1.1	26
20	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
21	Abstract 1283: Prevalence of synchronous oligopolyposis in Hispanics with incident colorectal cancer: A population-based analysis. , 2014, , .		0
22	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
23	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
24	Bayesian heavy-tailed models and conflict resolution: A review. Brazilian Journal of Probability and Statistics, 2012, 26, .	0.4	32
25	Quick Anomaly Detection by the Newcomb–Benford Law, with Applications to Electoral Processes Data from the USA, Puerto Rico and Venezuela. Statistical Science, 2011, 26, .	2.8	41
26	Assessing conditional extremal risk of flooding in Puerto Rico. Stochastic Environmental Research and Risk Assessment, 2009, 23, 399-410.	4.0	11
27	A case for robust Bayesian priors with applications to clinical trials. Bayesian Analysis, 2009, 4, .	3.0	24
28	Bacterial Community in the Crop of the Hoatzin, a Neotropical Folivorous Flying Bird. Applied and Environmental Microbiology, 2008, 74, 5905-5912.	3.1	61
29	Amerindian Helicobacter pylori Strains Go Extinct, as European Strains Expand Their Host Range. PLoS ONE, 2008, 3, e3307.	2.5	61
30	HELICOBACTER PYLORI AND INTESTINAL PARASITES ARE NOT DETRIMENTAL TO THE NUTRITIONAL STATUS OF AMERINDIANS. American Journal of Tropical Medicine and Hygiene, 2007, 76, 534-540.	1.4	25
31	A case for a reassessment of the risks of extreme hydrological hazards in the Caribbean. Stochastic Environmental Research and Risk Assessment, 2006, 20, 296-306.	4.0	39
32	Training samples in objective Bayesian model selection. Annals of Statistics, 2004, 32, .	2.6	58
33	Anticipating catastrophes through extreme value modelling. Journal of the Royal Statistical Society Series C: Applied Statistics, 2003, 52, 405-416.	1.0	123
34	A fully probabilistic approach to extreme rainfall modeling. Journal of Hydrology, 2003, 273, 35-50.	5.4	241
35	Applying non-parametric robust Bayesian analysis to non-opinionated judicial neutrality. Journal of Statistical Planning and Inference, 2002, 102, 425-439.	0.6	4
36	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

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37	Comparison of PCR and common clinical tests for the diagnosis of H. pylori in dyspeptic patients. Diagnostic Microbiology and Infectious Disease, 2001, 39, 207-210.	1.8	19
38	Objective Bayesian Methods for Model Selection: Introduction and Comparison. Lecture Notes-monograph Series / Institute of Mathematical Statistics, 2001, 38, 135-207.	1.0	194
39	Rhesus rotavirus-based quadrivalent vaccine is efficacious despite age, socioeconomic conditions and seasonality in Venezuela. Vaccine, 2000, 19, 976-981.	3.8	2
40	An Automatic Bayesian Procedure for Likelihoods with Shifted Origin. Journal of the Royal Statistical Society: Series D (the Statistician), 1998, 47, 323-332.	0.2	1
41	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
42	The Intrinsic Bayes Factor for Model Selection and Prediction. Journal of the American Statistical Association, 1996, 91, 109-122.	3.1	707
43	The Intrinsic Bayes Factor for Model Selection and Prediction. Journal of the American Statistical Association, 1996, 91, 109.	3.1	190
44	The relation between theory and application in statistics. Test, 1995, 4, 207-261.	1.1	41
45	A note on bounded influence in Bayesian analysis. Biometrika, 1995, 82, 223-225.	2.4	19
46	Large classes of proper priors for linear models. Communications in Statistics - Theory and Methods, 1994, 23, 2493-2501.	1.0	1
47	Posterior robustness with more than one sampling model. Journal of Statistical Planning and Inference, 1994, 40, 279-294.	0.6	19
48	An overview of robust Bayesian analysis. Test, 1994, 3, 5-124.	1.1	456
49	Bayesian robustness for hierarchical Îµ-contamination models. Journal of Statistical Planning and Inference, 1993, 37, 159-167.	0.6	14
50	Posterior Cumulant Relationships in Bayesian Inference Involving the Exponential Family. Journal of the American Statistical Association, 1993, 88, 1419-1426.	3.1	23
51	On Îµ-contaminated priors with quantile and piece-wise unimodality constraints. Communications in Statistics - Theory and Methods, 1993, 22, 1963-1978.	1.0	3
52	Posterior Cumulant Relationships in Bayesian Inference Involving the Exponential Family. Journal of the American Statistical Association, 1993, 88, 1419.	3.1	6
53	Exact and Approximate Posterior Moments for a Normal Location Parameter. Journal of the Royal Statistical Society Series B: Methodological, 1992, 54, 793-804.	0.7	21
54	Statistical assessment of total heat losses from externally finned tubes using various spatially weighted mean Biot numbers. International Journal of Heat and Fluid Flow, 1992, 13, 399-407.	2.4	0

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55	Near ignorance classes of log-concave priors for the location model. Test, 1992, 1, 39-46.	1.1	9
56	Prognostic indicators of chronic chagasic cardiopathy. International Journal of Cardiology, 1991, 30, 195-202.	1.7	50
57	Robust Bayesian Credible Intervals and Prior Ignorance. International Statistical Review, 1991, 59, 1.	1.9	75
58	Grouped Likelihood for the Shifted Power Transformation. Journal of the Royal Statistical Society Series B: Methodological, 1991, 53, 473-482.	0.7	9
59	An alternative to the standard Bayesian procedure for discrimination between normal linear models. Biometrika, 1984, 71, 575-586.	2.4	29
60	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
61	A Bayesian approach to transformations to normality. Biometrika, 1981, 68, 35-43.	2.4	61