# Alberto LuceÃ±o

List of Publications by Year
in descending order



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|---|---|---|---|
| 67 papers | 1,437 citations | 331670 21 h-index | 361022 35 g-index |
| 85 all docs | 85 docs citations | 85 times ranked | 1037 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Estimation of the long-term variability of extreme significant wave height using a time-dependent Peak Over Threshold (POT) model. Journal of Geophysical Research, 2006, 111, . | 3.3 | 146 |
| 2 | Fitting the generalized Pareto distribution to data using maximum goodness-of-fit estimators. Computational Statistics and Data Analysis, 2006, 51, 904-917. | 1.2 | 112 |
| 3 | Analyzing Monthly Extreme Sea Levels with a Time-Dependent GEV Model. Journal of Atmospheric and Oceanic Technology, 2007, 24, 894-911. | 1.3 | 100 |
| 4 | The influence of seasonality on estimating return values of significant wave height. Coastal Engineering, 2009, 56, 211-219. | 4.0 | 79 |
| 5 | Maximum trimmed likelihood estimators: a unified approach, examples, and algorithms. Computational Statistics and Data Analysis, 1997, 25, 251-272. | 1.2 | 70 |
| 6 | Extreme wave climate variability in southern Europe using satellite data. Journal of Geophysical Research, 2010, 115, . | 3.3 | 70 |
| 7 | Seasonality and duration in extreme value distributions of significant wave height. Ocean Engineering, 2008, 35, 131-138. | 4.3 | 64 |
| 8 | Discrete Proportional-Integral Adjustment and Statistical Process Control. Journal of Quality Technology, 1997, 29, 248-260. | 2.5 | 47 |
| 9 | Evaluation of the Run-Length Probability Distribution for CUSUM Charts: Assessing Chart Performance. Technometrics, 2000, 42, 411-416. | 1.9 | 33 |
| 10 | Performance of Discrete Feedback Adjustment Schemes with Dead Band, under Stationary versus Nonstationary Stochastic Disturbance. Technometrics, 1998, 40, 223. | 1.9 | 30 |
| 11 | Selection of Sampling Interval and Action Limit for Discrete Feedback Adjustment. Technometrics, 1994, 36, 369-378. | 1.9 | 28 |
| 12 | A process capability index with reliable confidence intervals. Communications in Statistics Part B: Simulation and Computation, 1996, 25, 235-245. | 1.2 | 28 |
| 13 | Average run lengths and run length probability distributions for cuscore charts to control normal mean. Computational Statistics and Data Analysis, 1999, 32, 177-195. | 1.2 | 26 |
| 14 | An extreme value model for maximum wave heights based on weather types. Journal of Geophysical Research: Oceans, 2016, 121, 1262-1273. | 2.6 | 26 |
| 15 | A critical analysis of some variational methods in slope stability analysis. International Journal for Numerical and Analytical Methods in Geomechanics, 1982, 6, 195-209. | 3.3 | 25 |
| 16 | Choosing the EWMA Parameter in Engineering Process Control. Journal of Quality Technology, 1995, 27, 162-168. | 2.5 | 25 |
| 17 | Evaluation of the Run-Length Probability Distribution for CUSUM Charts: Assessing Chart Performance. Technometrics, 2000, 42, 411. | 1.9 | 24 |
| 18 | A fast algorithm for the exact likelihood of stationary and partially nonstationary vector autoregressive-moving average processes. Biometrika, 1994, 81, 555-565. | 2.4 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A family of partially correlated Poisson models for overdispersion. Computational Statistics and Data Analysis, 1995, 20, 511-520. | 1.2 | 23 |
| 20 | Regression Models for Outlier Identification (Hurricanes and Typhoons) in Wave Hindcast Databases. Journal of Atmospheric and Oceanic Technology, 2012, 29, 267-285. | 1.3 | 23 |
| 21 | The effect of temporal dependence on the estimation of the frequency of extreme ocean climate events. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 1683-1697. | 2.1 | 22 |
| 22 | Discrete Proportional-Integral Control with Constrained Adjustment. Journal of the Royal Statistical Society: Series D (the Statistician), 1995, 44, 479. | 0.2 | 21 |
| 23 | Miscellanea. Estimation of missing values in possible partially nonstationary vector time series. Biometrika, 1997, 84, 495-499. | 2.4 | 20 |
| 24 | Detecting possibly non-consecutive outliers in industrial time series. Journal of the Royal Statistical Society Series B: Statistical Methodology, 1998, 60, 295-310. | 2.2 | 20 |
| 25 | Performance of Discrete Feedback Adjustment Schemes With Dead Band, Under Stationary Versus Nonstationary Stochastic Disturbance. Technometrics, 1998, 40, 223-233. | 1.9 | 19 |
| 26 | Discrete approximations to continuous univariate distributions-an alternative to simulation. Journal of the Royal Statistical Society Series B: Statistical Methodology, 1999, 61, 345-352. | 2.2 | 19 |
| 27 | Computing optimal adjustment schemes for the general tool-wear problem. Journal of Statistical Computation and Simulation, 1996, 54, 87-113. | 1.2 | 18 |
| 28 | A fast likelihood approximation for vector general linear processes with long series: application to fractional differencing. Biometrika, 1996, 83, 603-614. | 2.4 | 17 |
| 29 | Cuscore Charts to Detect Level Shifts in Autocorrelated Noise. Quality Technology and Quantitative Management, 2004, 1, 27-45. | 1.9 | 17 |
| 30 | Computing the Run Length Probability Distribution for CUSUM Charts. Journal of Quality Technology, 2002, 34, 209-215. | 2.5 | 15 |
| 31 | COMPOSITION FUNCTIONALS IN CALCULUS OF VARIATIONS: APPLICATION TO PRODUCTS AND QUOTIENTS. Mathematical Models and Methods in Applied Sciences, 2008, 18, 47-75. | 3.3 | 15 |
| 32 | Describing extra-binomial variation with partially correlated models. Communications in Statistics - Theory and Methods, 1995, 24, 1637-1653. | 1.0 | 14 |
| 33 | Quality Quandariesâˆ—:SIX SIGMA, PROCESS DRIFT, CAPABILITY INDICES, AND FEEDBACK ADJUSTMENTâ€. Quality Engineering, 2000, 12, 297-302. | 1.1 | 14 |
| 34 | Selection of Sampling Interval and Action Limit for Discrete Feedback Adjustment. Technometrics, 1994, 36, 369. | 1.9 | 12 |
| 35 | Performance of ewma versus last observation for feedback control. Communications in Statistics - Theory and Methods, 1992, 22, 241-255. | 1.0 | 10 |
| 36 | Feedforward as a supplement to feedback adjustment in allowing for feedstock changes. Journal of Applied Statistics, 2002, 29, 1241-1254. | 1.3 | 10 |

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|---|---|---|---|
| 37 | An accurate algorithm to compute the run length probability distribution, and its convolutions, for a Cusum chart to control normal mean. Computational Statistics and Data Analysis, 2002, 38, 249-261. | 1.2 | 10 |
| 38 | Fast optimization of the exact likelihood of AR and ARMA processes. Computational Statistics and Data Analysis, 1994, 17, 51-63. | 1.2 | 9 |
| 39 | Effects of Dynamics on the Properties of Feedback Adjustment Schemes With Dead Band. Technometrics, 1999, 41, 142-152. | 1.9 | 9 |
| 40 | Minimum cost dead band adjustment schemes under tool-wear effects and delayed dynamics. Statistics and Probability Letters, 2000, 50, 165-178. | 0.7 | 9 |
| 41 | A Fast Algorithm for the Repeated Evaluation of the Likelihood of a General Linear Process for Long Series. Journal of the American Statistical Association, 1993, 88, 229-236. | 3.1 | 8 |
| 42 | Maximum likelihoodvs. maximum goodness of fit estimation of the three-parameter Weibull distribution. Journal of Statistical Computation and Simulation, 2008, 78, 941-949. | 1.2 | 7 |
| 43 | Variational Methods and Upper Bound Theorem. Journal of Engineering Mechanics - ASCE, 1983, 109, 1157-1174. | 2.9 | 5 |
| 44 | Multiple outliers detection through reweighted least deviances. Computational Statistics and Data Analysis, 1998, 26, 313-326. | 1.2 | 5 |
| 45 | A dependent fatigue lifetime model. Communications in Statistics - Theory and Methods, 1987, 16, 1181-1193. | 1.0 | 4 |
| 46 | Parameter estimation with closed-loop operating data under time varying discrete proportional-integral control. Communications in Statistics Part B: Simulation and Computation, 1997, 26, 215-232. | 1.2 | 4 |
| 47 | Recursive characterization of a large family of discrete probability distributions showing extra-Poisson variation. Statistics, 2005, 39, 261-267. | 0.6 | 4 |
| 48 | Effects of Dynamics on the Properties of Feedback Adjustment Schemes with Dead Band. Technometrics, 1999, 41, 142. | 1.9 | 4 |
| 49 | A Fast Algorithm for the Repeated Evaluation of the Likelihood of a General Linear Process for Long Series. Journal of the American Statistical Association, 1993, 88, 229. | 3.1 | 3 |
| 50 | A generalized Erlang distribution showing overdispersion. Statistics and Probability Letters, 1996, 28, 375-386. | 0.7 | 3 |
| 51 | Further Evidence Supporting the Numerical Usefulness of Characteristic Functions. American Statistician, 1997, 51, 233-234. | 1.6 | 3 |
| 52 | Further Evidence Supporting the Numerical Usefulness of Characteristic Functions. American Statistician, 1997, 51, 233. | 1.6 | 3 |
| 53 | Analytical expressions for the average adjustment interval and mean squared deviation for bounded adjustment schemes. Communications in Statistics Part B: Simulation and Computation, 1999, 28, 623-635. | 1.2 | 3 |
| 54 | The random intrinsic fast initial response of one-sided CUSUM charts. Journal of Applied Statistics, 2006, 33, 189-201. | 1.3 | 3 |

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|---|---|---|---|
| 55 | On time-irreversibility and other non-linear features in time series. Communications in Statistics Part B: Simulation and Computation, 2000, 29, 295-313. | 1.2 | 2 |
| 56 | Dead band adjustment charts with asymmetric off-target costs, deterministic process drift and delayed dynamics. Journal of the Royal Statistical Society: Series D (the Statistician), 2003, 52, 501-514. | 0.2 | 2 |
| 57 | Ch. 19. Dead-band adjustment schemes for on-line feedback quality control. Handbook of Statistics, 2003, , 695-727. | 0.6 | 2 |
| 58 | Discussion: Application of the calculus of variations to the vertical cut off in cohesive frictionless soil. Geotechnique, 1981, 31, 295-296. | 4.0 | 1 |
| 59 | A new family of probability distributions with applications to data analysis. Communications in Statistics - Theory and Methods, 1992, 21, 391-409. | 1.0 | 1 |
| 60 | speed of covergence to the extreme value distributions on their probability ploting parers. Communications in Statistics Part B: Simulation and Computation, 1994, 23, 529-545. | 1.2 | 1 |
| 61 | Effects of Adjustment Errors on Discrete Feed-back Dead Band Control Schemes. Journal of the Royal Statistical Society: Series D (the Statistician), 2001, 50, 169-177. | 0.2 | 1 |
| 62 | SELECTION OF SAMPLE SIZE FOR DISCRETE FEEDBACK DEAD-BAND CONTROL SCHEMES. Communications in Statistics - Theory and Methods, 2001, 30, 679-689. | 1.0 | 1 |
| 63 | The random intrinsic fast initial response of two-sided CUSUM charts. Test, 2006, 15, 505-524. | 1.1 | 1 |
| 64 | A Universal QQ-Plot for Continuous Non-homogeneous Populations. Journal of Applied Statistics, 2007, 34, 1207-1223. | 1.3 | 1 |
| 65 | Intra-Cluster Correlation in the Normal Model. Statistics, 1999, 33, 119-128. | 0.6 | 0 |
| 66 | CHECKING STATIONARITY AND INVERTIBILITY IN TIME SERIES MODELSâ€"FINDING THE INVERTIBLE FORM IN THE VECTOR CASE. Communications in Statistics Part B: Simulation and Computation, 2001, 30, 531-546. | 1.2 | 0 |
| 67 | AN EXTREME VALUE MODEL FOR WAVE CLIMATE CONSIDERING DURATION AND SEASONALITY. , 2007, , . | | 0 |