

Javier Roca-Pardiñas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8668635/publications.pdf>

Version: 2024-02-01

65
papers

892
citations

623734

14
h-index

526287

27
g-index

67
all docs

67
docs citations

67
times ranked

991
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A hybrid ARIMA-SVM model for the study of the remaining useful life of aircraft engines. Journal of Computational and Applied Mathematics, 2019, 346, 184-191. | 2.0 | 147 |
| 2 | Modelling masonry arches shape using terrestrial laser scanning data and nonparametric methods. Engineering Structures, 2010, 32, 607-615. | 5.3 | 83 |
| 3 | Geographically Weighted Principal Components Analysis to assess diffuse pollution sources of soil heavy metal: Application to rough mountain areas in Northwest Spain. Geoderma, 2018, 311, 120-129. | 5.1 | 69 |
| 4 | Measurement planning for circular cross-section tunnels using terrestrial laser scanning. Automation in Construction, 2013, 31, 1-9. | 9.8 | 67 |
| 5 | From laser point clouds to surfaces: Statistical nonparametric methods for three-dimensional reconstruction. CAD Computer Aided Design, 2008, 40, 646-652. | 2.7 | 32 |
| 6 | Analysis of the influence of range and angle of incidence of terrestrial laser scanning measurements on tunnel inspection. Tunnelling and Underground Space Technology, 2014, 43, 133-139. | 6.2 | 29 |
| 7 | Monitoring and Assessing Structural Damage in Historic Buildings. Photogrammetric Record, 2008, 23, 36-50. | 0.4 | 26 |
| 8 | ROC curve and covariates: extending induced methodology to the non-parametric framework. Statistics and Computing, 2011, 21, 483-499. | 1.5 | 24 |
| 9 | Testing for interactions in generalized additive models: Application to SO ₂ pollution data. Statistics and Computing, 2005, 15, 289-299. | 1.5 | 23 |
| 10 | A bootstrap method to avoid the effect of concavity in generalised additive models in time series studies of air pollution. Journal of Epidemiology and Community Health, 2005, 59, 881-884. | 3.7 | 22 |
| 11 | Forecasting SO ₂ Pollution Incidents by means of Elman Artificial Neural Networks and ARIMA Models. Abstract and Applied Analysis, 2013, 2013, 1-6. | 0.7 | 22 |
| 12 | Neural correlates of memory retrieval in the prefrontal cortex. European Journal of Neuroscience, 2006, 24, 925-936. | 2.6 | 19 |
| 13 | p3state.msm: Analyzing Survival Data from an Illness-Death Model. Journal of Statistical Software, 2011, 38, . | 3.7 | 17 |
| 14 | Estimating a new suitable catch size for two clam species: Implications for shellfishery management. Ocean and Coastal Management, 2013, 71, 52-63. | 4.4 | 15 |
| 15 | Bootstrap-based methods for testing factor-by-curve interactions in generalized additive models: assessing prefrontal cortex neural activity related to decision-making. Statistics in Medicine, 2006, 25, 2483-2501. | 1.6 | 14 |
| 16 | Point cloud comparison under uncertainty. Application to beam bridge measurement with terrestrial laser scanning. Measurement: Journal of the International Measurement Confederation, 2014, 51, 259-264. | 5.0 | 14 |
| 17 | FWDselect: An R Package for Variable Selection in Regression Models. R Journal, 2016, 8, 132. | 1.8 | 14 |
| 18 | Predicting binary time series of SO ₂ using generalized additive models with unknown link function. Environmetrics, 2004, 15, 729-742. | 1.4 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Feasible estimation in generalized structured models. <i>Statistics and Computing</i> , 2010, 20, 367-379. | 1.5 | 13 |
| 20 | Evaluating Lightning- Caused Fire Occurrence Using Spatial Generalized Additive Models: A Case Study in Central Spain. <i>Risk Analysis</i> , 2020, 40, 1418-1437. | 2.7 | 13 |
| 21 | Additive models in censored regression. <i>Computational Statistics and Data Analysis</i> , 2009, 53, 3490-3501. | 1.2 | 12 |
| 22 | A new flexible direct ROC regression model: Application to the detection of cardiovascular risk factors by anthropometric measures. <i>Computational Statistics and Data Analysis</i> , 2011, 55, 3257-3270. | 1.2 | 12 |
| 23 | Multiscale Supervised Classification of Point Clouds with Urban and Forest Applications. <i>Sensors</i> , 2019, 19, 4523. | 3.8 | 11 |
| 24 | Using Generalized Additive Models for Construction of Nonlinear Classifiers in Computer-Aided Diagnosis Systems. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2006, 10, 246-253. | 3.2 | 10 |
| 25 | Testing the link when the index is semiparametricâ€”a comparative study. <i>Computational Statistics and Data Analysis</i> , 2007, 51, 6565-6581. | 1.2 | 10 |
| 26 | Non-parametric estimation of the odds ratios for continuous exposures using generalized additive models with an unknown link function. <i>Statistics in Medicine</i> , 2005, 24, 1169-1184. | 1.6 | 9 |
| 27 | A New Approach to Estimation of the Lengthâ€”Weight Relationship of <i>Pollicipes pollicipes</i> (Gmelin, 1789) on the Atlantic Coast of Galicia (Northwest Spain): Some Aspects of Its Biology and Management. <i>Journal of Shellfish Research</i> , 2011, 30, 939-948. | 0.9 | 8 |
| 28 | Influence of the Number and Spatial Distribution of Ground Control Points in the Accuracy of UAV-SfM DEMs: An Approach Based on Generalized Additive Models. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 10618-10627. | 6.3 | 8 |
| 29 | Categorical variables, interactions and generalized additive models. Applications in computer-aided diagnosis systems. <i>Computers in Biology and Medicine</i> , 2008, 38, 475-483. | 7.0 | 7 |
| 30 | Geometric optimization of trough collectors using terrestrial laser scanning: Feasibility analysis using a new statistical assessment method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 47, 92-99. | 5.0 | 7 |
| 31 | Testing spatial heterogeneity in geographically weighted principal components analysis. <i>International Journal of Geographical Information Science</i> , 2017, 31, 676-693. | 4.8 | 7 |
| 32 | A Distance Correlation Approach for Optimum Multiscale Selection in 3D Point Cloud Classification. <i>Mathematics</i> , 2021, 9, 1328. | 2.2 | 7 |
| 33 | TPmsm: Estimation of the Transition Probabilities in 3-State Models. <i>Journal of Statistical Software</i> , 2014, 62, . | 3.7 | 7 |
| 34 | Flexible modelling of neuron firing rates across different experimental conditions: an application to neural activity in the prefrontal cortex during a discrimination task. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2006, 55, 431-447. | 1.0 | 6 |
| 35 | Assessing continuous bivariate effects among different groups through nonparametric regression models: An application to breast cancer detection. <i>Computational Statistics and Data Analysis</i> , 2008, 52, 1958-1970. | 1.2 | 6 |
| 36 | Forecasting SO ₂ pollution incidents by means of quantile curves based on additive models. <i>Environmetrics</i> , 2016, 27, 147-157. | 1.4 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Real-time tomographic reconstructor based on convolutional neural networks for solar observation. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 8032-8041. | 2.3 | 6 |
| 38 | Selecting the number of categories of the lymph node ratio in cancer research: A bootstrap-based hypothesis test. <i>Statistical Methods in Medical Research</i> , 2021, 30, 926-940. | 1.5 | 6 |
| 39 | <code>npregfast</code> : An R Package for Nonparametric Estimation and Inference in Life Sciences. <i>Journal of Statistical Software</i> , 2017, 82, . | 3.7 | 6 |
| 40 | Effect measures in non-parametric regression with interactions between continuous exposures. <i>Statistics in Medicine</i> , 2006, 25, 603-621. | 1.6 | 5 |
| 41 | Determining optimum wavelengths for leaf water content estimation from reflectance: A distance correlation approach. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 173, 41-50. | 3.5 | 5 |
| 42 | Bootstrap-based procedures for inference in nonparametric receiver-operating characteristic curve regression analysis. <i>Statistical Methods in Medical Research</i> , 2018, 27, 740-764. | 1.5 | 5 |
| 43 | Selecting variables in non-parametric regression models for binary response. An application to the computerized detection of breast cancer. <i>Statistics in Medicine</i> , 2009, 28, 240-259. | 1.6 | 4 |
| 44 | Validating The Supporting Structure of A Parabolic Solar Collector Using Close Range Photogrammetry. <i>Photogrammetric Record</i> , 2013, 28, 211-226. | 0.4 | 4 |
| 45 | Deformation analysis in tunnels through curve clustering. <i>Applied Mathematical Modelling</i> , 2016, 40, 1325-1332. | 4.2 | 4 |
| 46 | Terrestrial laser scanning used to detect asymmetries in boat hulls. <i>Optical Engineering</i> , 2012, 51, 013605. | 1.0 | 3 |
| 47 | A statistical method for geometry inspection from point clouds. <i>Applied Mathematics and Computation</i> , 2014, 242, 562-568. | 2.2 | 3 |
| 48 | Assessing the suitability of the minimum capture size and protection regimes in the gooseneck barnacle shellfishery. <i>Ocean and Coastal Management</i> , 2015, 104, 150-158. | 4.4 | 3 |
| 49 | Assessing planar asymmetries in shipbuilding from point clouds. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 100, 252-261. | 5.0 | 3 |
| 50 | Predicting pollution incidents through semiparametric quantile regression models. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 673-685. | 4.0 | 3 |
| 51 | Modeling conditional reference regions: Application to glycemic markers. <i>Statistics in Medicine</i> , 2021, 40, 5926-5946. | 1.6 | 3 |
| 52 | Development of a new tool for predicting the behavior of individuals with intellectual disability in the dental office: A pilot study. <i>Disability and Health Journal</i> , 2022, 15, 101229. | 2.8 | 3 |
| 53 | Assessing neural activity related to decision-making through flexible odds ratio curves and their derivatives. <i>Statistics in Medicine</i> , 2011, 30, 1695-1711. | 1.6 | 2 |
| 54 | Bandwidth selection for the estimation of transition probabilities in the location-scale progressive three-state model. <i>Computational Statistics</i> , 2013, 28, 2185-2210. | 1.5 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Predicting SO ₂ pollution incidents by means of additive models with optimum variable selection. Atmospheric Environment, 2014, 95, 151-157. | 4.1 | 2 |
| 56 | Impact of New Systemic Therapies in Overall Survival in Non-Metastatic Castration Resistant Prostate Cancer: Systematic Review and Meta-Analysis. Clinical Genitourinary Cancer, 2022, 20, 197.e1-197.e10. | 1.9 | 2 |
| 57 | Interrupted Time Series Analysis of Pediatric Infectious Diseases and the Consumption of Antibiotics in an Atlantic European Region during the SARS-CoV-2 Pandemic. Antibiotics, 2022, 11, 264. | 3.7 | 2 |
| 58 | Variable selection in regression models used to analyse Global Positioning System accuracy in forest environments. Applied Mathematics and Computation, 2012, 219, 2220-2230. | 2.2 | 1 |
| 59 | Nonparametric location-scale model for the joint forecasting of SO ₂ and NO _x pollution episodes. Stochastic Environmental Research and Risk Assessment, 2021, 35, 231-244. | 4.0 | 1 |
| 60 | An R Package For Analyzing Factor-By-Curve Interactions. , 2011, , . | | 0 |
| 61 | Selecting Variables in Regression Models. A New Approach to the Prediction of Time Series of O ₂ . , 2011, , . | | 0 |
| 62 | A Bootstrap-Based Covariate Selection Method for Modeling the Risk of Lightning-Induced Fires at a Local Scale: A Case Study in Northwest Spain. Human and Ecological Risk Assessment (HERA), 2013, 19, 254-267. | 3.4 | 0 |
| 63 | Testing critical points of nonparametric regression curves: application to the management of stalked barnacles. Journal of the Royal Statistical Society Series C: Applied Statistics, 2019, 68, 1051-1070. | 1.0 | 0 |
| 64 | Functional Location-Scale Model to Forecast Bivariate Pollution Episodes. Mathematics, 2020, 8, 941. | 2.2 | 0 |
| 65 | A method for determining groups in nonparametric regression curves: Application to prefrontal cortex neural activity analysis. Mathematical Biosciences and Engineering, 2022, 19, 6435-6454. | 1.9 | 0 |