Beatriz Pateiro-Lã³pez

List of Publications by Year
in descending order

19 papers	**302** citations	1040056 **9** h-index	888059 **17** g-index
19 all docs	**19** docs citations	**19** times ranked	**452** citing authors

#	Article	IF	Citations
1	Generalizing the Convex Hull of a Sample: The *R* Package **alphahull**. Journal of Statistical Software, 2010, 34, .	3.7	105
2	On Statistical Properties of Sets Fulfilling Rolling-Type Conditions. Advances in Applied Probability, 2012, 44, 311-329.	0.7	25
3	Quantiles for finite and infinite dimensional data. Journal of Multivariate Analysis, 2012, 108, 1-14.	1.0	21
4	*R* Implementation of a Polyhedral Approximation to a 3D Set of Points Using the α-Shape. Journal of Statistical Software, 2014, 56, .	3.7	17
5	Predicting species distributions in new areas or time periods with alpha-shapes. Ecological Informatics, 2014, 24, 231-237.	5.2	15
6	A multivariate uniformity test for the case of unknown support. Statistics and Computing, 2012, 22, 259-271.	1.5	14
7	Shape classification based on interpoint distance distributions. Journal of Multivariate Analysis, 2016, 146, 237-247.	1.0	13
8	Length and surface area estimation under smoothness restrictions. Advances in Applied Probability, 2008, 40, 348-358.	0.7	13
9	A New Approach for Sparse Matrix Classification Based on Deep Learning Techniques. , 2018, , .		12
10	Sparse Matrix Classification on Imbalanced Datasets Using Convolutional Neural Networks. IEEE Access, 2019, 7, 82377-82389.	4.2	12
11	Surface area estimation under convexity type assumptions. Journal of Nonparametric Statistics, 2009, 21, 729-741.	0.9	9
12	Recovering the shape of a point cloud in the plane. Test, 2013, 22, 19-45.	1.1	9
13	Multivariate partially linear models. Statistics and Probability Letters, 2006, 76, 1543-1549.	0.7	8
14	Set Estimation from Reflected Brownian Motion. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2016, 78, 1057-1078.	2.2	8
15	Testing uniformity for the case of a planar unknown support. Canadian Journal of Statistics, 2012, 40, 378-395.	0.9	6
16	On the estimation of the medial axis and inner parallel body. Journal of Multivariate Analysis, 2014, 129, 171-185.	1.0	4
17	Polynomial volume estimation and its applications. Journal of Statistical Planning and Inference, 2018, 196, 174-184.	0.6	4
18	Minimax Estimation of the Volume of a Set Under the Rolling Ball Condition. Journal of the American Statistical Association, 2019, 114, 1162-1173.	3.1	4

#	Article	IF	Citations
19	Functional Quantiles. Contributions To Statistics, 2011, , 123-129.	0.2	3