

Alfonso Gordaliza

List of Publications by Year in descending order

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45
papers

1,447
citations

516710

16
h-index

315739

38
g-index

46
all docs

46
docs citations

46
times ranked

674
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Geometric Risk Factors Affecting Head-On Collisions through Multiple Logistic Regression: Improving Two-Way Rural Road Design via 2+1 Road Adaptation. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6598.	2.6	3
2	Geometric road design factors affecting the risk of urban run-off crashes. A case-control study. <i>PLoS ONE</i> , 2020, 15, e0234564.	2.5	6
3	Influence on the user's emotional state of the graphic complexity level in virtual therapies based on a robot-assisted neuro-rehabilitation platform. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 190, 105359.	4.7	5
4	Comments on "The power of monitoring: how to make the most of a contaminated multivariate sample". <i>Statistical Methods and Applications</i> , 2018, 27, 605-608.	1.2	1
5	Eigenvalues and constraints in mixture modeling: geometric and computational issues. <i>Advances in Data Analysis and Classification</i> , 2018, 12, 203-233.	1.4	14
6	Robust principal component analysis based on trimming around affine subspaces. <i>Statistica Sinica</i> , 2018, , .	0.3	1
7	Robust estimation of mixtures of regressions with random covariates, via trimming and constraints. <i>Statistics and Computing</i> , 2017, 27, 377-402.	1.5	19
8	The joint role of trimming and constraints in robust estimation for mixtures of Gaussian factor analyzers. <i>Computational Statistics and Data Analysis</i> , 2016, 99, 131-147.	1.2	16
9	Comments on: Multivariate functional outlier detection. <i>Statistical Methods and Applications</i> , 2015, 24, 233-235.	1.2	1
10	A bellboy robot: Study of the effects of robot behaviour on user engagement and comfort. <i>International Journal of Human Computer Studies</i> , 2015, 82, 83-95.	5.6	74
11	Avoiding spurious local maximizers in mixture modeling. <i>Statistics and Computing</i> , 2015, 25, 619-633.	1.5	45
12	A constrained robust proposal for mixture modeling avoiding spurious solutions. <i>Advances in Data Analysis and Classification</i> , 2014, 8, 27-43.	1.4	20
13	On the breakdown behavior of the TCLUST clustering procedure. <i>Test</i> , 2013, 22, 466-487.	1.1	14
14	Comments on: model-based clustering and classification with non-normal mixture distributions. <i>Statistical Methods and Applications</i> , 2013, 22, 459-461.	1.2	0
15	Grouping Around Different Dimensional Affine Subspaces. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2013, , 131-139.	0.2	0
16	The influence function of the TCLUST robust clustering procedure. <i>Advances in Data Analysis and Classification</i> , 2012, 6, 107-130.	1.4	10
17	Exploring the number of groups in robust model-based clustering. <i>Statistics and Computing</i> , 2011, 21, 585-599.	1.5	77
18	A review of robust clustering methods. <i>Advances in Data Analysis and Classification</i> , 2010, 4, 89-109.	1.4	161

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19	Discussion: The forward search: Theory and data analysis. Journal of the Korean Statistical Society, 2010, 39, 135-136.	0.4	0
20	Robust clusterwise linear regression through trimming. Computational Statistics and Data Analysis, 2010, 54, 3057-3069.	1.2	58
21	A Robust Maximal F-Ratio Statistic to Detect Clusters Structure. Communications in Statistics - Theory and Methods, 2009, 38, 682-694.	1.0	3
22	Robust linear clustering. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2009, 71, 301-318.	2.2	41
23	A general trimming approach to robust cluster Analysis. Annals of Statistics, 2008, 36, .	2.6	178
24	The importance of the scales in heterogeneous robust clustering. Computational Statistics and Data Analysis, 2007, 51, 4403-4412.	1.2	10
25	A Proposal for Robust Curve Clustering. Journal of Classification, 2005, 22, 185-201.	2.2	88
26	Generalized Radius Processes for Elliptically Contoured Distributions. Journal of the American Statistical Association, 2005, 100, 1036-1045.	3.1	15
27	Trimming Tools in Exploratory Data Analysis. Journal of Computational and Graphical Statistics, 2003, 12, 434-449.	1.7	51
28	On the Asymptotics of Trimmed Best k -Nets. Journal of Multivariate Analysis, 2002, 82, 486-516.	1.0	4
29	Biological activity of melatonin and some analogous: geometrical and electrical requirements. Computational and Theoretical Chemistry, 2001, 537, 271-281.	1.5	9
30	Empirical relationship between structure and molecular optical rotation in six-membered cyclic compounds. Journal of Molecular Structure, 2000, 526, 1-15.	3.6	2
31	Calculation of optical rotation from molecular structure: comparative study of MM2, MM3 and AM1 methods. Journal of Molecular Structure, 2000, 522, 219-231.	3.6	6
32	A central limit theorem for multivariate generalized trimmed k -means. Annals of Statistics, 1999, 27, 1061.	2.6	23
33	Asymptotics for trimmed k -means and associated tolerance zones. Journal of Statistical Planning and Inference, 1999, 77, 247-262.	0.6	5
34	Multivariate L-estimation. Test, 1999, 8, 255-317.	1.1	38
35	Robustness Properties of k Means and Trimmed k Means. Journal of the American Statistical Association, 1999, 94, 956-969.	3.1	92
36	Robustness Properties of k Means and Trimmed k Means. Journal of the American Statistical Association, 1999, 94, 956.	3.1	83

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37	Empirical relationship between structure and molecular optical rotation in tetrahydropyran derivatives. Journal of Molecular Structure, 1998, 442, 135-143.	3.6	5
38	Empirical relationship between structure and molecular optical rotation in polyhydroxycyclohexanes. Journal of Molecular Structure, 1998, 447, 127-133.	3.6	3
39	On the geometric behaviour of multidimensional location measures. Journal of Statistical Planning and Inference, 1998, 67, 191-208.	0.6	0
40	Trimmed best k-nets: A robustified version of an L [∞] -based clustering method. Statistics and Probability Letters, 1998, 36, 401-413.	0.7	5
41	Trimmed k -means: an attempt to robustify quantizers. Annals of Statistics, 1997, 25, 553.	2.6	193
42	TRIMMED k -MEANS AND THE CAUCHY MEAN-VALUE PROPERTY. , 1995, , 247-266.		0
43	On the breakdown point of multivariate location estimators based on trimming procedures. Statistics and Probability Letters, 1991, 11, 387-394.	0.7	17
44	Best approximations to random variables based on trimming procedures. Journal of Approximation Theory, 1991, 64, 162-180.	0.8	51
45	Validating theoretical hypothesis on access times and repair times statistical distributions for electric power distribution network. , 0, , .		0