

Francisco Prieto

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,011
citations

687220

13
h-index

752573

20
g-index

22
all docs

22
docs citations

22
times ranked

805
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivariate Outlier Detection and Robust Covariance Matrix Estimation. <i>Technometrics</i> , 2001, 43, 286-310.	1.3	194
2	A Decomposition Methodology Applied to the Multi-Area Optimal Power Flow Problem. <i>Annals of Operations Research</i> , 2003, 120, 99-116.	2.6	164
3	A decomposition procedure based on approximate Newton directions. <i>Mathematical Programming</i> , 2002, 93, 495-515.	1.6	148
4	Multimarket Optimal Bidding for a Power Producer. <i>IEEE Transactions on Power Systems</i> , 2005, 20, 2041-2050.	4.6	131
5	Cluster Identification Using Projections. <i>Journal of the American Statistical Association</i> , 2001, 96, 1433-1445.	1.8	78
6	Hydropower generation management under uncertainty via scenario analysis and parallel computation. <i>IEEE Transactions on Power Systems</i> , 1996, 11, 683-689.	4.6	59
7	A Sequential Quadratic Programming Algorithm Using an Incomplete Solution of the Subproblem. <i>SIAM Journal on Optimization</i> , 1995, 5, 590-640.	1.2	50
8	Combining Random and Specific Directions for Outlier Detection and Robust Estimation in High-Dimensional Multivariate Data. <i>Journal of Computational and Graphical Statistics</i> , 2007, 16, 228-254.	0.9	30
9	Eigenvectors of a kurtosis matrix as interesting directions to reveal cluster structure. <i>Journal of Multivariate Analysis</i> , 2010, 101, 1995-2007.	0.5	28
10	An augmented Lagrangian interior-point method using directions of negative curvature. <i>Mathematical Programming</i> , 2003, 95, 573-616.	1.6	25
11	Reliability Analysis for Systems With Large Hydro Resources in a Deregulated Electric Power Market. <i>IEEE Transactions on Power Systems</i> , 2005, 20, 90-95.	4.6	24
12	Using Angles to Identify Concentrated Multivariate Outliers. <i>Technometrics</i> , 2001, 43, 311-322.	1.3	22
13	The kurtosis coefficient and the linear discriminant function. <i>Statistics and Probability Letters</i> , 2000, 49, 257-261.	0.4	18
14	Nonconvex optimization using negative curvature within a modified linesearch. <i>European Journal of Operational Research</i> , 2008, 189, 706-722.	3.5	12
15	Network planning under uncertainty with an application to hydropower generation. <i>Top</i> , 1994, 2, 25-58.	1.1	9
16	Combining search directions using gradient flows. <i>Mathematical Programming</i> , 2003, 96, 529-559.	1.6	9
17	Combining and scaling descent and negative curvature directions. <i>Mathematical Programming</i> , 2011, 128, 285-319.	1.6	4
18	On Rank Driven Dynamical Systems. <i>Journal of Statistical Physics</i> , 2014, 156, 455-472.	0.5	3

#	ARTICLE	IF	CITATIONS
19	A note on the use of vector barrier parameters for interior-point methods. European Journal of Operational Research, 2007, 181, 571-585.	3.5	1
20	Using Improved Directions of Negative Curvature for the Solution of Bound-Constrained Nonconvex Problems. Journal of Optimization Theory and Applications, 2017, 174, 474-499.	0.8	1
21	A Projection Method for Robust Estimation and Clustering in Large Data Sets. , 2006, , 209-216.		1
22	Comments on: On a mixture of the fix-and-relax coordination and Lagrangean substitution schemes for multistage stochastic mixed integer programming. Top, 2009, 17, 37-39.	1.1	0