

# Julio L LÃ³pez

## List of Publications by Year in descending order

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43  
papers

969  
citations

516710

16  
h-index

454955

30  
g-index

43  
all docs

43  
docs citations

43  
times ranked

850  
citing authors

#	ARTICLE	IF	CITATIONS
1	Out-of-time cross-validation strategies for classification in the presence of dataset shift. Applied Intelligence, 2022, 52, 5770-5783.	5.3	5
2	The Cobb-Douglas Learning Machine. Pattern Recognition, 2022, 128, 108701.	8.1	2
3	Time-weighted Fuzzy Support Vector Machines for classification in changing environments. Information Sciences, 2021, 559, 97-110.	6.9	17
4	Simultaneous model construction and noise reduction for hierarchical time series via Support Vector Regression. Knowledge-Based Systems, 2021, 232, 107492.	7.1	6
5	Simultaneous feature selection and heterogeneity control for SVM classification: An application to mental workload assessment. Expert Systems With Applications, 2020, 143, 112988.	7.6	25
6	Profit-based churn prediction based on Minimax Probability Machines. European Journal of Operational Research, 2020, 284, 273-284.	5.7	35
7	Robust nonparallel support vector machines via second-order cone programming. Neurocomputing, 2019, 364, 227-238.	5.9	20
8	Epsilon-nonparallel support vector regression. Applied Intelligence, 2019, 49, 4223-4236.	5.3	10
9	Profit-based credit scoring based on robust optimization and feature selection. Information Sciences, 2019, 500, 190-202.	6.9	28
10	Regularized minimax probability machine. Knowledge-Based Systems, 2019, 177, 127-135.	7.1	10
11	A feasible direction algorithm for nonlinear second-order cone programs. Optimization Methods and Software, 2019, 34, 1322-1341.	2.4	7
12	An alternative SMOTE oversampling strategy for high-dimensional datasets. Applied Soft Computing Journal, 2019, 76, 380-389.	7.2	135
13	A new method for reliability analysis and reliability-based design optimization. Structural and Multidisciplinary Optimization, 2019, 59, 1655-1671.	3.5	9
14	Dealing with high-dimensional class-imbalanced datasets: Embedded feature selection for SVM classification. Applied Soft Computing Journal, 2018, 67, 94-105.	7.2	170
15	Robust twin support vector regression via second-order cone programming. Knowledge-Based Systems, 2018, 152, 83-93.	7.1	18
16	Redefining nearest neighbor classification in high-dimensional settings. Pattern Recognition Letters, 2018, 110, 36-43.	4.2	15
17	Double regularization methods for robust feature selection and SVM classification via DC programming. Information Sciences, 2018, 429, 377-389.	6.9	29
18	Mining EEG with SVM for Understanding Cognitive Underpinnings of Math Problem Solving Strategies. Behavioural Neurology, 2018, 2018, 1-15.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Ellipsoidal support vector regression based on second-order cone programming. Neurocomputing, 2018, 305, 59-69.	5.9	6
20	Simultaneous preference estimation and heterogeneity control for choice-based conjoint via support vector machines. Journal of the Operational Research Society, 2017, 68, 1323-1334.	3.4	7
21	Robust kernel-based multiclass support vector machines via second-order cone programming. Applied Intelligence, 2017, 46, 983-992.	5.3	10
22	Group-penalized feature selection and robust twin SVM classification via second-order cone programming. Neurocomputing, 2017, 235, 112-121.	5.9	11
23	Construction of proximal distances over symmetric cones. Optimization, 2017, 66, 1301-1321.	1.7	2
24	A robust formulation for twin multiclass support vector machine. Applied Intelligence, 2017, 47, 1031-1043.	5.3	9
25	Application of the sequential parametric convex approximation method to the design of robust trusses. Journal of Global Optimization, 2017, 68, 169-187.	1.8	6
26	Integrated framework for profit-based feature selection and SVM classification in credit scoring. Decision Support Systems, 2017, 104, 113-121.	5.9	77
27	Synchronized feature selection for Support Vector Machines with twin hyperplanes. Knowledge-Based Systems, 2017, 132, 119-128.	7.1	20
28	Embedded heterogeneous feature selection for conjoint analysis: A SVM approach using L1 penalty. Applied Intelligence, 2017, 46, 775-787.	5.3	5
29	Interior proximal bundle algorithm with variable metric for nonsmooth convex symmetric cone programming. Optimization, 2016, 65, 1757-1779.	1.7	1
30	A second-order cone programming formulation for twin support vector machines. Applied Intelligence, 2016, 45, 265-276.	5.3	24
31	A second-order cone programming formulation for nonparallel hyperplane support vector machine. Expert Systems With Applications, 2016, 54, 95-104.	7.6	21
32	Multi-class second-order cone programming support vector machines. Information Sciences, 2016, 330, 328-341.	6.9	19
33	A novel multi-class SVM model using second-order cone constraints. Applied Intelligence, 2016, 44, 457-469.	5.3	12
34	Robust feature selection for multiclass Support Vector Machines using second-order cone programming. Intelligent Data Analysis, 2015, 19, S117-S133.	0.9	5
35	An embedded feature selection approach for support vector classification via second-order cone programming. Intelligent Data Analysis, 2015, 19, 1259-1273.	0.9	11
36	A multi-class SVM approach based on the l1-norm minimization of the distances between the reduced convex hulls. Pattern Recognition, 2015, 48, 1598-1607.	8.1	15

#	ARTICLE	IF	CITATIONS
37	A Note on the Paper "Linear Complementarity Problems Over Symmetric Cones: Characterization of Q <sub>b</sub> -Transformations and Existence Results", Journal of Optimization Theory and Applications, 2014, 163, 351-354.	1.5	0
38	Imbalanced data classification using second-order cone programming support vector machines. Pattern Recognition, 2014, 47, 2070-2079.	8.1	74
39	Alternative second-order cone programming formulations for support vector classification. Information Sciences, 2014, 268, 328-341.	6.9	20
40	Linear Complementarity Problems over Symmetric Cones: Characterization of Q <sub>b</sub> -transformations and Existence Results. Journal of Optimization Theory and Applications, 2013, 159, 741-768.	1.5	2
41	Support vector machine under uncertainty: An application for hydroacoustic classification of fish-schools in Chile. Expert Systems With Applications, 2013, 40, 4029-4034.	7.6	28
42	Characterizing $\gamma$ -linear transformations for semidefinite linear complementarity problems. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 1441-1448.	1.1	1
43	Interior proximal algorithm with variable metric for second-order cone programming: applications to structural optimization and support vector machines. Optimization Methods and Software, 2010, 25, 859-881.	2.4	34