

Julio L LÃ³pez

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

969
citations

516561

16
h-index

454834

30
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43
all docs

43
docs citations

43
times ranked

850
citing authors

#	ARTICLE	IF	CITATIONS
1	Dealing with high-dimensional class-imbalanced datasets: Embedded feature selection for SVM classification. <i>Applied Soft Computing Journal</i> , 2018, 67, 94-105.	4.1	170
2	An alternative SMOTE oversampling strategy for high-dimensional datasets. <i>Applied Soft Computing Journal</i> , 2019, 76, 380-389.	4.1	135
3	Integrated framework for profit-based feature selection and SVM classification in credit scoring. <i>Decision Support Systems</i> , 2017, 104, 113-121.	3.5	77
4	Imbalanced data classification using second-order cone programming support vector machines. <i>Pattern Recognition</i> , 2014, 47, 2070-2079.	5.1	74
5	Profit-based churn prediction based on Minimax Probability Machines. <i>European Journal of Operational Research</i> , 2020, 284, 273-284.	3.5	35
6	Interior proximal algorithm with variable metric for second-order cone programming: applications to structural optimization and support vector machines. <i>Optimization Methods and Software</i> , 2010, 25, 859-881.	1.6	34
7	Double regularization methods for robust feature selection and SVM classification via DC programming. <i>Information Sciences</i> , 2018, 429, 377-389.	4.0	29
8	Support vector machine under uncertainty: An application for hydroacoustic classification of fish-schools in Chile. <i>Expert Systems With Applications</i> , 2013, 40, 4029-4034.	4.4	28
9	Profit-based credit scoring based on robust optimization and feature selection. <i>Information Sciences</i> , 2019, 500, 190-202.	4.0	28
10	Simultaneous feature selection and heterogeneity control for SVM classification: An application to mental workload assessment. <i>Expert Systems With Applications</i> , 2020, 143, 112988.	4.4	25
11	A second-order cone programming formulation for twin support vector machines. <i>Applied Intelligence</i> , 2016, 45, 265-276.	3.3	24
12	A second-order cone programming formulation for nonparallel hyperplane support vector machine. <i>Expert Systems With Applications</i> , 2016, 54, 95-104.	4.4	21
13	Alternative second-order cone programming formulations for support vector classification. <i>Information Sciences</i> , 2014, 268, 328-341.	4.0	20
14	Synchronized feature selection for Support Vector Machines with twin hyperplanes. <i>Knowledge-Based Systems</i> , 2017, 132, 119-128.	4.0	20
15	Robust nonparallel support vector machines via second-order cone programming. <i>Neurocomputing</i> , 2019, 364, 227-238.	3.5	20
16	Multi-class second-order cone programming support vector machines. <i>Information Sciences</i> , 2016, 330, 328-341.	4.0	19
17	Robust twin support vector regression via second-order cone programming. <i>Knowledge-Based Systems</i> , 2018, 152, 83-93.	4.0	18
18	Time-weighted Fuzzy Support Vector Machines for classification in changing environments. <i>Information Sciences</i> , 2021, 559, 97-110.	4.0	17

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19	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.	5.1	15
20	Redefining nearest neighbor classification in high-dimensional settings. Pattern Recognition Letters, 2018, 110, 36-43.	2.6	15
21	A novel multi-class SVM model using second-order cone constraints. Applied Intelligence, 2016, 44, 457-469.	3.3	12
22	An embedded feature selection approach for support vector classification via second-order cone programming. Intelligent Data Analysis, 2015, 19, 1259-1273.	0.4	11
23	Group-penalized feature selection and robust twin SVM classification via second-order cone programming. Neurocomputing, 2017, 235, 112-121.	3.5	11
24	Robust kernel-based multiclass support vector machines via second-order cone programming. Applied Intelligence, 2017, 46, 983-992.	3.3	10
25	Epsilon-nonparallel support vector regression. Applied Intelligence, 2019, 49, 4223-4236.	3.3	10
26	Regularized minimax probability machine. Knowledge-Based Systems, 2019, 177, 127-135.	4.0	10
27	A robust formulation for twin multiclass support vector machine. Applied Intelligence, 2017, 47, 1031-1043.	3.3	9
28	A new method for reliability analysis and reliability-based design optimization. Structural and Multidisciplinary Optimization, 2019, 59, 1655-1671.	1.7	9
29	Mining EEG with SVM for Understanding Cognitive Underpinnings of Math Problem Solving Strategies. Behavioural Neurology, 2018, 2018, 1-15.	1.1	8
30	Simultaneous preference estimation and heterogeneity control for choice-based conjoint via support vector machines. Journal of the Operational Research Society, 2017, 68, 1323-1334.	2.1	7
31	A feasible direction algorithm for nonlinear second-order cone programs. Optimization Methods and Software, 2019, 34, 1322-1341.	1.6	7
32	Application of the sequential parametric convex approximation method to the design of robust trusses. Journal of Global Optimization, 2017, 68, 169-187.	1.1	6
33	Ellipsoidal support vector regression based on second-order cone programming. Neurocomputing, 2018, 305, 59-69.	3.5	6
34	Simultaneous model construction and noise reduction for hierarchical time series via Support Vector Regression. Knowledge-Based Systems, 2021, 232, 107492.	4.0	6
35	Robust feature selection for multiclass Support Vector Machines using second-order cone programming. Intelligent Data Analysis, 2015, 19, S117-S133.	0.4	5
36	Embedded heterogeneous feature selection for conjoint analysis: A SVM approach using L1 penalty. Applied Intelligence, 2017, 46, 775-787.	3.3	5

#	ARTICLE	IF	CITATIONS
37	Out-of-time cross-validation strategies for classification in the presence of dataset shift. Applied Intelligence, 2022, 52, 5770-5783.	3.3	5
38	Linear Complementarity Problems over Symmetric Cones: Characterization of Q b -transformations and Existence Results. Journal of Optimization Theory and Applications, 2013, 159, 741-768.	0.8	2
39	Construction of proximal distances over symmetric cones. Optimization, 2017, 66, 1301-1321.	1.0	2
40	The Cobb-Douglas Learning Machine. Pattern Recognition, 2022, 128, 108701.	5.1	2
41	Characterizing -linear transformations for semidefinite linear complementarity problems. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 1441-1448.	0.6	1
42	Interior proximal bundle algorithm with variable metric for nonsmooth convex symmetric cone programming. Optimization, 2016, 65, 1757-1779.	1.0	1
43	A Note on the Paper "Linear Complementarity Problems Over Symmetric Cones: Characterization of Qb-Transformations and Existence Results", Journal of Optimization Theory and Applications, 2014, 163, 351-354.	0.8	0