Carlos N Silla Jr

List of Publications by Year
in descending order

57 papers	1,945 citations	858243 12 h-index	651938 25 g-index
59 all docs	59 docs citations	59 times ranked	2033 citing authors

#	Article	IF	Citations
1	A multimodal approach for multi-label movie genre classification. Multimedia Tools and Applications, 2022, 81, 19071-19096.	2.6	14
2	Handling imbalance in hierarchical classification problems using local classifiers approaches. Data Mining and Knowledge Discovery, 2021, 35, 1564-1621.	2.4	3
3	On the Importance of Passive Acoustic Monitoring Filters. Journal of Marine Science and Engineering, 2021, 9, 685.	1.2	0
4	Toward hierarchical classification of imbalanced data using random resampling algorithms. Information Sciences, 2021, 578, 344-363.	4.0	12
5	An Analysis of Feature Selection Techniques For COVID-19 Detection on Chest X-Ray Data. , 2021, , .		0
6	Analyzing the Impact of Resampling Approaches on Chest X-Ray Images for COVID-19 Identification in a Local Hierarchical Classification Scenario. , 2021, , .		1
7	Teaching Entrepreneurship for Computer Science and Engineering Students Using Active Learning Pedagogical Strategies. , 2021, , .		3
8	OMR metrics and evaluation: a systematic review. Multimedia Tools and Applications, 2020, 79, 6383-6408.	2.6	4
9	MLTL: A multi-label approach for the Tomek Link undersampling algorithm. Neurocomputing, 2020, 383, 95-105.	3.5	49
10	COVID-19 identification in chest X-ray images on flat and hierarchical classification scenarios. Computer Methods and Programs in Biomedicine, 2020, 194, 105532.	2.6	354
11	Ensemble of convolutional neural networks to improve animal audio classification. Eurasip Journal on Audio, Speech, and Music Processing, 2020, 2020, .	1.3	38
12	Evaluation of students programming skills on a computer programming course with a hierarchical clustering algorithm. , 2020, , .		6
13	Identification of Infants' Cry Motivation Using Spectrograms. , 2019, , .		22
14	Recent Studies About Teaching Algorithms (CS1) and Data Structures (CS2) for Computer Science Students. , 2019, , .		9
15	Multi-label Emotion Classification in Music Videos Using Ensembles of Audio and Video Features. , 2019, , .		5
16	Representation Learning vs. Handcrafted Features for Music Genre Classification. , 2019, , .		7
17	Bird and whale species identification using sound images. IET Computer Vision, 2018, 12, 178-184.	1.3	12
18	Ensemble of deep learning, visual and acoustic features for music genre classification. Journal of New Music Research, 2018, 47, 383-397.	0.6	31

#	Article	IF	Citations
19	Girls, Music and Computer Science. , 2018, , .		2
20	Teaching Algorithms for Visually Impaired and Blind Students using Physical Flowcharts and Screen Readers. , 2018, , .		0
21	Exploring Data Augmentation to Improve Music Genre Classification with ConvNets. , 2018, , .		24
22	Dealing with Imbalanceness in Hierarchical Multi-Label Datasets Using Multi-Label Resampling Techniques. , 2018, , .		1
23	Combining visual and acoustic features for audio classification tasks. Pattern Recognition Letters, 2017, 88, 49-56.	2.6	65
24	An evaluation of Convolutional Neural Networks for music classification using spectrograms. Applied Soft Computing Journal, 2017, 52, 28-38.	4.1	167
25	An investigation of the hoeffding adaptive tree for the problem of network intrusion detection. , 2017, , .		7
26	Using simplified chords sequences to classify songs genres. , 2017, , .		3
27	BIRITS: A Music Information Retrieval System Using Query-by-Playing Techniques. , 2017, , .		0
28	Music education meets computer science and engineering education. , 2016, , .		2
29	jOthelloT: A java-based open source Othello framework for artificial intelligence undergraduate classes. , 2016, , .		4
30	Teaching genetic algorithm-based parameter optimization using Pacman. , 2016, , .		0
31	Combining Visual and Acoustic Features for Bird Species Classification. , 2016, , .		18
32	An Evaluation of Different Evolutionary Approaches Applied in the Process of Automatic Transcription of Music Scores into Tablatures. , 2016, , .		3
33	Comparative Study of Genetic Algorithm and Ant Colony Optimization Algorithm Performances for the Task of Guitar Tablature Transcription. , 2015, , .		3
34	The Latin Music Mood Database. Eurasip Journal on Audio, Speech, and Music Processing, 2015, 2015, .	1.3	5
35	Latin Music Mood Classification Using Cifras. , 2015, , .		4
36	Automatic Segmentation of Audio Signals for Bird Species Identification. , 2014, , .		11

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37	The Ethnic Lyrics Fetcher tool. Eurasip Journal on Audio, Speech, and Music Processing, 2014, 2014, .	1.3	2
38	NordicÂMusicÂGenreÂClassification Using Song Lyrics. Lecture Notes in Computer Science, 2014, , 89-100.	1.0	2
39	An evaluation of global-model hierarchical classification algorithms for hierarchical classification problems with single path of labels. Computers and Mathematics With Applications, 2013, 66, 1991-2002.	1.4	10
40	An Evaluation of Symbolic Feature Sets and Their Combination for Music Genre Classification. , 2013, , .		0
41	Hierarchical Classification of Bird Species Using Their Audio Recorded Songs. , 2013, , .		8
42	Feature set comparison for automatic bird species identification. , 2011, , .		20
43	Automatic Bird Species Identification for Large Number of Species. , 2011, , .		33
44	Selecting different protein representations and classification algorithms in hierarchical protein function prediction. Intelligent Data Analysis, 2011, 15, 979-999.	0.4	18
45	A survey of hierarchical classification across different application domains. Data Mining and Knowledge Discovery, 2011, 22, 31-72.	2.4	693
46	A hierarchical approach to represent relational data applied to clustering tasks. , 2011, , .		2
47	On the suitability of state-of-the-art music information retrieval methods for analyzing, categorizing and accessing non-Western and ethnic music collections. Signal Processing, 2010, 90, 1032-1048.	2.1	30
48	Improving automatic music genre classification with hybrid content-based feature vectors. , 2010, , .		11
49	Novel top-down approaches for hierarchical classification and their application to automatic music genre classification. , 2009, , .		21
50	A FEATURE SELECTION APPROACH FOR AUTOMATIC MUSIC GENRE CLASSIFICATION. International Journal of Semantic Computing, 2009, 03, 183-208.	0.4	14
51	A Global-Model Naive Bayes Approach to the Hierarchical Prediction of Protein Functions. , 2009, , .		35
52	A Machine Learning Approach to Automatic Music Genre Classification. Journal of the Brazilian Computer Society, 2008, 14, 7-18.	0.8	36
53	Feature Selection in Automatic Music Genre Classification. , 2008, , .		22
54	A machine learning approach to automatic music genre classification. Journal of the Brazilian Computer Society, 2008, 14, 7-18.	0.8	28

#	Article	IF	Citations
55	Automatic music genre classification using ensemble of classifiers. , 2007, , .		33
56	Automatic Text Summarization with Genetic Algorithm-Based Attribute Selection. Lecture Notes in Computer Science, 2004, , 305-314.	1.0	24
57	An Analysis of Sentence Boundary Detection Systems for English and Portuguese Documents. Lecture Notes in Computer Science, 2004, , 135-141.	1.0	11