Jorge Garcia-Gutierrez

List of Publications by Year
in descending order

34 papers	800 citations	471061 17 h-index	500791 28 g-index
35 all docs	35 docs citations	35 times ranked	1053 citing authors

#	Article	IF	Citations
1	Enhancing object detection for autonomous driving by optimizing anchor generation and addressing class imbalance. Neurocomputing, 2021, 449, 229-244.	3.5	29
2	On the Performance of One-Stage and Two-Stage Object Detectors in Autonomous Vehicles Using Camera Data. Remote Sensing, 2021, 13, 89.	1.8	77
3	Autoencoded DNA methylation data to predict breast cancer recurrence: Machine learning models and gene-weight significance. Artificial Intelligence in Medicine, 2020, 110, 101976.	3.8	27
4	Asynchronous dual-pipeline deep learning framework for online data stream classification. Integrated Computer-Aided Engineering, 2020, 27, 101-119.	2.5	41
5	RESDEC. , 2019, , .		2
6	Selection of Software Product Line Implementation Components Using Recommender Systems: An Application to Wordpress. IEEE Access, 2019, 7, 69226-69245.	2.6	28
7	External clustering validity index based on chi-squared statistical test. Information Sciences, 2019, 487, 1-17.	4.0	26
8	A Framework for Evaluating Land Use and Land Cover Classification Using Convolutional Neural Networks. Remote Sensing, 2019, 11, 274.	1.8	129
9	On the evolutionary weighting of neighbours and features in the k-nearest neighbour rule. Neurocomputing, 2019, 326-327, 54-60.	3.5	12
10	An approach to validity indices for clustering techniques in Big Data. Progress in Artificial Intelligence, 2018, 7, 81-94.	1.5	19
11	SMART METERS: POTENTIAL SAVINGS FOR CONSUMERS. Dyna (Spain), 2018, 93, 244-244.	0.1	0
12	Quantifying biomass consumption and carbon release from the California Rim fire by integrating airborne LiDAR and Landsat OLI data. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 340-353.	1.3	43
13	A study of the suitability of autoencoders for preprocessing data in breast cancer experimentation. Journal of Biomedical Informatics, 2017, 72, 33-44.	2.5	15
14	Impact of plot size and model selection on forest biomass estimation using airborne LiDAR: A case study of pine plantations in southern Spain. Journal of Forest Science, 2017, 63, 88-97.	0.5	14
15	A Preliminary Study of the Suitability of Deep Learning to Improve LiDAR-Derived Biomass Estimation. Lecture Notes in Computer Science, 2016, , 588-596.	1.0	12
16	An Approach to Silhouette and Dunn Clustering Indices Applied to Big Data in Spark. Lecture Notes in Computer Science, 2016, , 160-169.	1.0	7
17	A Comparison of Machine Learning Techniques Applied to Landsat-5 TM Spectral Data for Biomass Estimation. Canadian Journal of Remote Sensing, 2016, 42, 690-705.	1.1	61
18	Comparison of ALS based models for estimating aboveground biomass in three types of Mediterranean forest. European Journal of Remote Sensing, 2016, 49, 185-204.	1.7	31

#	Article	IF	Citations
19	An evolutionary voting for k-nearest neighbours. Expert Systems With Applications, 2016, 43, 9-14.	4.4	17
20	An evolutionary-weighted majority voting and support vector machines applied to contextual classification of LiDAR and imagery data fusion. Neurocomputing, 2015, 163, 17-24.	3.5	24
21	A comparison of machine learning regression techniques for LiDAR-derived estimation of forest variables. Neurocomputing, 2015, 167, 24-31.	3.5	87
22	Improving models for environmental applications of LiDAR: Novel approaches based on soft computing. AI Communications, 2014, 29, 213-214.	0.8	1
23	Evolutionary feature selection to estimate forest stand variables using LiDAR. International Journal of Applied Earth Observation and Geoinformation, 2014, 26, 119-131.	1.4	30
24	A Comparative Study of Machine Learning Regression Methods on LiDAR Data: A Case Study. Advances in Intelligent Systems and Computing, 2014, , 249-258.	0.5	6
25	Improving the k-Nearest Neighbour Rule by an Evolutionary Voting Approach. Lecture Notes in Computer Science, 2014, , 296-305.	1.0	0
26	Modelling stand biomass fractions in Galician Eucalyptus globulus plantations by use of different LiDAR pulse densities. Forest Systems, 2013, 22, 510.	0.1	22
27	On the evolutionary optimization of k-NN by label-dependent feature weighting. Pattern Recognition Letters, 2012, 33, 2232-2238.	2.6	19
28	EVOR-STACK: A label-dependent evolutive stacking on remote sensing data fusion. Neurocomputing, 2012, 75, 115-122.	3.5	5
29	A Non-parametric Approach for Accurate Contextual Classification of LIDAR and Imagery Data Fusion. Lecture Notes in Computer Science, 2012, , 455-466.	1.0	0
30	Gene-gene interaction based clustering method for microarray data. , 2011, , .		0
31	Automatic environmental quality assessment for mixed-land zones using lidar and intelligent techniques. Expert Systems With Applications, 2011, 38, 6805-6813.	4.4	8
32	A Comparative Study between Two Regression Methods on LiDAR Data: A Case Study. Lecture Notes in Computer Science, 2011, , 311-318.	1.0	2
33	A SVM and k-NN Restricted Stacking to Improve Land Use and Land Cover Classification. Lecture Notes in Computer Science, 2010, , 493-500.	1.0	3
34	Using Remote Data Mining on LIDAR and Imagery Fusion Data to Develop Land Cover Maps. Lecture Notes in Computer Science, 2010, , 378-387.	1.0	2