

# Jorge Garcia-Gutierrez

## List of Publications by Year in descending order

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Version: 2024-02-01

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	A Framework for Evaluating Land Use and Land Cover Classification Using Convolutional Neural Networks. <i>Remote Sensing</i> , 2019, 11, 274.	1.8	129
2	A comparison of machine learning regression techniques for LiDAR-derived estimation of forest variables. <i>Neurocomputing</i> , 2015, 167, 24-31.	3.5	87
3	On the Performance of One-Stage and Two-Stage Object Detectors in Autonomous Vehicles Using Camera Data. <i>Remote Sensing</i> , 2021, 13, 89.	1.8	77
4	A Comparison of Machine Learning Techniques Applied to Landsat-5 TM Spectral Data for Biomass Estimation. <i>Canadian Journal of Remote Sensing</i> , 2016, 42, 690-705.	1.1	61
5	Quantifying biomass consumption and carbon release from the California Rim fire by integrating airborne LiDAR and Landsat OLI data. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2017, 122, 340-353.	1.3	43
6	Asynchronous dual-pipeline deep learning framework for online data stream classification. <i>Integrated Computer-Aided Engineering</i> , 2020, 27, 101-119.	2.5	41
7	Comparison of ALS based models for estimating aboveground biomass in three types of Mediterranean forest. <i>European Journal of Remote Sensing</i> , 2016, 49, 185-204.	1.7	31
8	Evolutionary feature selection to estimate forest stand variables using LiDAR. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 26, 119-131.	1.4	30
9	Enhancing object detection for autonomous driving by optimizing anchor generation and addressing class imbalance. <i>Neurocomputing</i> , 2021, 449, 229-244.	3.5	29
10	Selection of Software Product Line Implementation Components Using Recommender Systems: An Application to Wordpress. <i>IEEE Access</i> , 2019, 7, 69226-69245.	2.6	28
11	Autoencoded DNA methylation data to predict breast cancer recurrence: Machine learning models and gene-weight significance. <i>Artificial Intelligence in Medicine</i> , 2020, 110, 101976.	3.8	27
12	External clustering validity index based on chi-squared statistical test. <i>Information Sciences</i> , 2019, 487, 1-17.	4.0	26
13	An evolutionary-weighted majority voting and support vector machines applied to contextual classification of LiDAR and imagery data fusion. <i>Neurocomputing</i> , 2015, 163, 17-24.	3.5	24
14	Modelling stand biomass fractions in Galician Eucalyptus globulus plantations by use of different LiDAR pulse densities. <i>Forest Systems</i> , 2013, 22, 510.	0.1	22
15	On the evolutionary optimization of k-NN by label-dependent feature weighting. <i>Pattern Recognition Letters</i> , 2012, 33, 2232-2238.	2.6	19
16	An approach to validity indices for clustering techniques in Big Data. <i>Progress in Artificial Intelligence</i> , 2018, 7, 81-94.	1.5	19
17	An evolutionary voting for k-nearest neighbours. <i>Expert Systems With Applications</i> , 2016, 43, 9-14.	4.4	17
18	A study of the suitability of autoencoders for preprocessing data in breast cancer experimentation. <i>Journal of Biomedical Informatics</i> , 2017, 72, 33-44.	2.5	15

#	ARTICLE	IF	CITATIONS
19	Impact of plot size and model selection on forest biomass estimation using airborne LiDAR: A case study of pine plantations in southern Spain. <i>Journal of Forest Science</i> , 2017, 63, 88-97.	0.5	14
20	A Preliminary Study of the Suitability of Deep Learning to Improve LiDAR-Derived Biomass Estimation. <i>Lecture Notes in Computer Science</i> , 2016, , 588-596.	1.0	12
21	On the evolutionary weighting of neighbours and features in the k-nearest neighbour rule. <i>Neurocomputing</i> , 2019, 326-327, 54-60.	3.5	12
22	Automatic environmental quality assessment for mixed-land zones using lidar and intelligent techniques. <i>Expert Systems With Applications</i> , 2011, 38, 6805-6813.	4.4	8
23	An Approach to Silhouette and Dunn Clustering Indices Applied to Big Data in Spark. <i>Lecture Notes in Computer Science</i> , 2016, , 160-169.	1.0	7
24	A Comparative Study of Machine Learning Regression Methods on LiDAR Data: A Case Study. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 249-258.	0.5	6
25	EVOR-STACK: A label-dependent evolutive stacking on remote sensing data fusion. <i>Neurocomputing</i> , 2012, 75, 115-122.	3.5	5
26	A SVM and k-NN Restricted Stacking to Improve Land Use and Land Cover Classification. <i>Lecture Notes in Computer Science</i> , 2010, , 493-500.	1.0	3
27	RESDEC. , 2019, , .		2
28	Using Remote Data Mining on LIDAR and Imagery Fusion Data to Develop Land Cover Maps. <i>Lecture Notes in Computer Science</i> , 2010, , 378-387.	1.0	2
29	A Comparative Study between Two Regression Methods on LiDAR Data: A Case Study. <i>Lecture Notes in Computer Science</i> , 2011, , 311-318.	1.0	2
30	Improving models for environmental applications of LiDAR: Novel approaches based on soft computing. <i>AI Communications</i> , 2014, 29, 213-214.	0.8	1
31	Gene-gene interaction based clustering method for microarray data. , 2011, , .		0
32	A Non-parametric Approach for Accurate Contextual Classification of LIDAR and Imagery Data Fusion. <i>Lecture Notes in Computer Science</i> , 2012, , 455-466.	1.0	0
33	Improving the k-Nearest Neighbour Rule by an Evolutionary Voting Approach. <i>Lecture Notes in Computer Science</i> , 2014, , 296-305.	1.0	0
34	SMART METERS: POTENTIAL SAVINGS FOR CONSUMERS. <i>Dyna (Spain)</i> , 2018, 93, 244-244.	0.1	0