Luis A Ruiz

List of Publications by Year
in descending order

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81	1,944	218592	265120
papers	citations	26 h-index	42 g-index

81	81	81	2308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CartografÃa del abandono de cultivos de cÃtricos mediante el uso de datos altimÃ©tricos: LiDAR y fotogrametrÃa SfM. Revista De Teledeteccion, 2022, , 47-58.	0.6	0
2	Classification of Mediterranean Shrub Species from UAV Point Clouds. Remote Sensing, 2022, 14, 199.	1.8	11
3	Estimating quality of life dimensions from urban spatial pattern metrics. Computers, Environment and Urban Systems, 2021, 85, 101549.	3.3	32
4	Identifying urban growth patterns through land-use/land-cover spatio-temporal metrics: Simulation and analysis. International Journal of Geographical Information Science, 2021, 35, 375-396.	2.2	13
5	Land Use Classification of VHR Images for Mapping Small-Sized Abandoned Citrus Plots by Using Spectral and Textural Information. Remote Sensing, 2021, 13, 681.	1.8	12
6	Modeling Â°Brix and pH in Wine Grapes from Satellite Images in Colchagua Valley, Chile. Agriculture (Switzerland), 2021, 11, 697.	1.4	1
7	Empirical Models for Spatio-Temporal Live Fuel Moisture Content Estimation in Mixed Mediterranean Vegetation Areas Using Sentinel-2 Indices and Meteorological Data. Remote Sensing, 2021, 13, 3726.	1.8	19
8	Modeling Phenols, Anthocyanins and Color Intensity of Wine Using Pre-Harvest Sentinel-2 Images. Remote Sensing, 2021, 13, 4951.	1.8	4
9	Comparison of Sentinel-2 and High-Resolution Imagery for Mapping Land Abandonment in Fragmented Areas. Remote Sensing, 2020, 12, 2062.	1.8	29
10	Advances in the Monitoring of Algal Blooms by Remote Sensing: A Bibliometric Analysis. Applied Sciences (Switzerland), 2020, 10, 7877.	1.3	6
11	Analyzing Links between Spatio-Temporal Metrics of Built-Up Areas and Socio-Economic Indicators on a Semi-Global Scale. ISPRS International Journal of Geo-Information, 2020, 9, 436.	1.4	7
12	Sentinel-2 Application to the Surface Characterization of Small Water Bodies in Wetlands. Water (Switzerland), 2020, 12, 1487.	1.2	24
13	A comparative assessment of the vertical distribution of forest components using full-waveform airborne, discrete airborne and discrete terrestrial laser scanning data. Forest Ecology and Management, 2020, 473, 118268.	1.4	27
14	A Full-Waveform Airborne Laser Scanning Metric Extraction Tool for Forest Structure Modelling. Do Scan Angle and Radiometric Correction Matter?. Remote Sensing, 2020, 12, 292.	1.8	4
15	Processing and analysis of airborne full-waveform laser scanning data for the characterization of forest structure and fuel properties. Revista De Teledeteccion, 2020, , 95.	0.6	0
16	Analysis of land use/land cover spatio-temporal metrics and population dynamics for urban growth characterization. Computers, Environment and Urban Systems, 2019, 73, 27-39.	3.3	39
17	Analysis of Side-Lap Effect and Characterization of Understory Vegetation Using Full-Waveform ALS. Proceedings (mdpi), 2019, 19, 6.	0.2	0
18	Comparative of Machine Learning Algorithms and Datasets to Classify Natural Coverage in the Cajas National Park (Ecuador) Based on GEOBIA Approach. Proceedings (mdpi), 2019, 19, 20.	0.2	0

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19	Modeling of Polyphenols and Color Index of Grape by Satellite Images, Colchagua Valley, VI Region, Chile. Proceedings (mdpi), 2019, 19, .	0.2	0
20	Remote sensing for the Spanish forests in the 21st century: a review of advances, needs, and opportunities. Forest Systems, 2019, 28, eR001.	0.1	34
21	An object-based approach for mapping forest structural types based on low-density LiDAR and multispectral imagery. Geocarto International, 2018, 33, 443-457.	1.7	20
22	Influence of Lidar Full-Waveform Density and Voxel Size on Forest Stand Estimates. , 2018, , .		2
23	Analyzing the role of pulse density and voxelization parameters on full-waveform LiDAR-derived metrics. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 146, 453-464.	4.9	14
24	Characterizing understory vegetation in Mediterranean forests using full-waveform airborne laser scanning data. Remote Sensing of Environment, 2018, 217, 400-413.	4.6	41
25	EvaluaciÃ³n del uso de LiDAR discreto, full-waveform y TLS en la clasificaciÃ³n por composiciÃ³n de especies en bosques mediterrÃ¡neos. Revista De Teledeteccion, 2018, , 27.	0.6	5
26	Analysis of spatial correlation in predictive models of forest variables that use LiDAR auxiliary information. Canadian Journal of Forest Research, 2017, 47, 788-799.	0.8	19
27	Automatic estimation of olive tree dendrometric parameters based on airborne laser scanning data using alpha-shape and principal component analysis. GIScience and Remote Sensing, 2017, 54, 898-917.	2.4	16
28	Evaluating Fourier Cross-Correlation Sub-Pixel Registration in Landsat Images. Remote Sensing, 2017, 9, 1051.	1.8	31
29	CHARACTERIZING LANDSCAPE SPATIAL HETEROGENEITY USING SEMIVARIOGRAM PARAMETERS DERIVED FROM NDVI IMAGES. Cerne, 2017, 23, 413-422.	0.9	5
30	Description and validation of a new set of object-based temporal geostatistical features for land-use/land-cover change detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 121, 77-91.	4.9	60
31	Accuracy of tree geometric parameters depending on the LiDAR data density. European Journal of Remote Sensing, 2016, 49, 73-92.	1.7	18
32	A comparative study of regression methods to predict forest structure and canopy fuel variables from LiDAR full-waveform data. Revista De Teledeteccion, 2016, , 27.	0.6	15
33	Consejo de redacciÃ³n, editorial, informaciÃ³n autores. Revista De Teledeteccion, 2016, , .	0.6	0
34	Estimation of pruning biomass of olive trees using airborne discrete-return LiDAR data. Biomass and Bioenergy, 2015, 81, 315-321.	2.9	22
35	Measuring intra-urban poverty using land cover and texture metrics derived from remote sensing data. Landscape and Urban Planning, 2015, 135, 11-21.	3.4	92
36	Fire Recurrence and the Dynamics of the Enhanced Vegetation Index in a Mediterranean Ecosystem. International Journal of Applied Geospatial Research, 2015, 6, 18-35.	0.2	13

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37	DescripciÃ³n y cÃ¡lculo de Ãndices de fragmentaciÃ³n urbana: Herramienta IndiFrag. Revista De Teledeteccion, 2015, , 77.	0.6	10
38	Consejo de redacciÃ³n, editorial, informaciÃ³n autores. Revista De Teledeteccion, 2015, , .	0.6	0
39	Analysis of the Influence of Plot Size and LiDAR Density on Forest Structure Attribute Estimates. Forests, 2014, 5, 936-951.	0.9	92
40	Evaluation of storm impact on sandy beaches of the Gulf of Valencia using Landsat imagery series. Geomorphology, 2014, 214, 388-401.	1.1	31
41	Using remote sensing to assess the relationship between crime and the urban layout. Applied Geography, 2014, 55, 48-60.	1.7	51
42	Deriving pseudo-vertical waveforms from small-footprint full-waveform LiDAR data. Remote Sensing Letters, 2014, 5, 332-341.	0.6	28
43	Using street based metrics to characterize urban typologies. Computers, Environment and Urban Systems, 2014, 44, 68-79.	3.3	75
44	Estimation of forest structure and canopy fuel parameters from small-footprint full-waveform LiDAR data. International Journal of Wildland Fire, 2014, 23, 224.	1.0	73
45	Using semivariogram indices to analyse heterogeneity in spatial patterns in remotely sensed images. Computers and Geosciences, 2013, 50, 115-127.	2.0	30
46	Automated extraction of tree and plot-based parameters in citrus orchards from aerial images. Computers and Electronics in Agriculture, 2013, 90, 24-34.	3.7	31
47	Assessment of factors affecting shrub volume estimations using airborne discrete-return LiDAR data in Mediterranean areas. Journal of Applied Remote Sensing, 2012, 6, 063544.	0.6	6
48	Change Detection in Peri-urban Areas Based on Contextual Classification. Photogrammetrie, Fernerkundung, Geoinformation, 2012, 2012, 359-370.	1.2	5
49	Estimation of biomass and volume of shrub vegetation using LiDAR and spectral data in a Mediterranean environment. Biomass and Bioenergy, 2012, 46, 710-721.	2.9	39
50	Automatic extraction of shorelines from Landsat TM and ETM+ multi-temporal images with subpixel precision. Remote Sensing of Environment, 2012, 123, 1-11.	4.6	239
51	Assessing contextual descriptive features for plot-based classification of urban areas. Landscape and Urban Planning, 2012, 106, 124-137.	3.4	61
52	Analysis of parcel-based image classification methods for monitoring the activities of the Land Bank of Galicia (Spain). Applied Geomatics, 2012, 4, 245-255.	1.2	3
53	Logistic Models to Ensure Residual Agroforestry Biomass as a Sustainable Resource. Ecoproduction, 2012, , 173-196.	0.8	0
54	Estimation of shrub biomass by airborne LiDAR data in small forest stands. Forest Ecology and Management, 2011, 262, 1697-1703.	1.4	74

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55	Historical Land Use as a Feature for Image Classification. Photogrammetric Engineering and Remote Sensing, 2011, 77, 377-387.	0.3	5
56	Evaluation of Automatic Building Detection Approaches Combining High Resolution Images and LiDAR Data. Remote Sensing, 2011, 3, 1188-1210.	1.8	88
57	A feature extraction software tool for agricultural object-based image analysis. Computers and Electronics in Agriculture, 2011, 76, 284-296.	3.7	63
58	Analysis of the factors affecting LiDAR DTM accuracy in a steep shrub area. International Journal of Digital Earth, 2011, 4, 521-538.	1.6	53
59	Definition of a comprehensive set of texture semivariogram features and their evaluation for object-oriented image classification. Computers and Geosciences, 2010, 36, 231-240.	2.0	85
60	Dendrometric and dasometric analysis of the bushy biomass in Mediterranean forests. Forest Ecology and Management, 2010, 259, 875-882.	1.4	25
61	Non-linear fourth-order image interpolation for subpixel edge detection and localization. Image and Vision Computing, 2008, 26, 1240-1248.	2.7	65
62	<title>Combining multispectral images and selected textural features from high-resolution images to improve discrimination of forest canopies</title>. , 1998, , .		2
63	Location and Characterization of the Stemâ€“Calyx Area on Oranges by Computer Vision. Biosystems Engineering, 1996, 64, 165-172.	0.4	31
64	Quantifying Slumness with Remote Sensing Data. SSRN Electronic Journal, 0, , .	0.4	3
65	AUTOMATED CLASSIFICATION OF CROP TYPES AND CONDITION IN A MEDITERRANEAN AREA USING A FINE-TUNED CONVOLUTIONAL NEURAL NETWORK. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 1061-1068.	0.2	7
66	COMPARING THE GENERATION OF DTM IN A FOREST ECOSYSTEM USING TLS, ALS AND UAV-DAP, AND DIFFERENT SOFTWARE TOOLS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 575-582.	0.2	3
67	Analysis of urban development by means of multi-temporal fragmentation metrics from LULC data. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W3, 1411-1418.	0.2	12
68	CONFIGURATION AND SPECIFICATIONS OF AN UNMANNED AERIAL VEHICLE FOR PRECISION AGRICULTURE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B1, 809-816.	0.2	8
69	ANALYSING RELATIONSHIPS BETWEEN URBAN LAND USE FRAGMENTATION METRICS AND SOCIO-ECONOMIC VARIABLES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 1029-1036.	0.2	2
70	ANALYSIS OF THE SIDE-LAP EFFECT ON FULL-WAVEFORM LIDAR DATA ACQUISITION FOR THE ESTIMATION OF FOREST STRUCTURE VARIABLES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 603-610.	0.2	2
71	EFFICIENCY OF CONTEXT-BASED ATTRIBUTES FOR LAND-USE CLASSIFICATION OF URBAN ENVIRONMENTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXVIII-4/W19, 105-110.	0.2	1
72	MODELOS EMPÃRICOS DE PREDICCIÃ“N DEL CONTENIDO DE HUMEDAD DEL COMBUSTIBLE VIVO MEDIANTE ÃNDICES ESPECTRALES DE SENTINEL-2 Y DATOS METEOROLÃ“GICOS. , 0, , .		1

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73	METHODOLOGICAL PROPOSAL FOR THE IDENTIFICATION OF MARGINAL LANDS WITH REMOTE SENSING-DERIVED PRODUCTS AND ANCILLARY DATA. , 0, , .		0
74	A REVIEW OF THE USE OF REMOTE SENSING FOR MONITORING AND QUANTIFYING CARBON SEQUESTRATION IN MARGINAL LANDS. , 0, , .		0
75	MODELACIÃ“N DE Â°BRIX Y PH EN UVA VINÃFERA MEDIANTE IMÃGENES SATELITALES. VALLE DE COLCHAGUA, CHILE. , 0, , .		0
76	COMBINATION OF TERRASAR-X AND OPTICAL IMAGERY FOR LU/LC MAPPING USING AN OBJECT-BASED APPROACH. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXVIII-4/W19, 259-264.	0.2	0
77	CONFIGURATION AND SPECIFICATIONS OF AN UNMANNED AERIAL VEHICLE FOR PRECISION AGRICULTURE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B1, 809-816.	0.2	2
78	ANALYSIS OF THE SIDE-LAP EFFECT ON FULL-WAVEFORM LIDAR DATA ACQUISITION FOR THE ESTIMATION OF FOREST STRUCTURE VARIABLES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 603-610.	0.2	0
79	ANALYSING RELATIONSHIPS BETWEEN URBAN LAND USE FRAGMENTATION METRICS AND SOCIO-ECONOMIC VARIABLES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 1029-1036.	0.2	0
80	APLICACIONES DE LOS ÃNDICES DE FRAGMENTACIÃ“N DE LOS USOS DEL SUELO PARA CARACTERIZAR LA EXPANSIÃ“N URBANA. , 0, , .		0
81	CLASSIFICATION OF UAV-BASED PHOTOGRAMMETRIC POINT CLOUDS OF RIVERINE SPECIES USING MACHINE LEARNING ALGORITHMS: A CASE STUDY IN THE PALANCIA RIVER, SPAIN. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B2-2020, 659-666.	0.2	3