

Manuel Angel Aguilar

List of Publications by Year in descending order

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62
papers

1,973
citations

257101

24
h-index

253896

43
g-index

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62
docs citations

62
times ranked

1985
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Terrain Morphology, Sampling Density, and Interpolation Methods on Grid DEM Accuracy. <i>Photogrammetric Engineering and Remote Sensing</i> , 2005, 71, 805-816.	0.3	237
2	Using texture analysis to improve per-pixel classification of very high resolution images for mapping plastic greenhouses. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2008, 63, 635-646.	4.9	162
3	Performance evaluation of object based greenhouse detection from Sentinel-2 MSI and Landsat 8 OLI data: A case study from Almería (Spain). <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 52, 403-411.	1.4	117
4	Modelling vertical error in LiDAR-derived digital elevation models. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2010, 65, 103-110.	4.9	103
5	GeoEye-1 and WorldView-2 pan-sharpened imagery for object-based classification in urban environments. <i>International Journal of Remote Sensing</i> , 2013, 34, 2583-2606.	1.3	103
6	Assessing geometric accuracy of the orthorectification process from GeoEye-1 and WorldView-2 panchromatic images. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013, 21, 427-435.	1.4	99
7	Off-the-shelf laser scanning and close-range digital photogrammetry for measuring agricultural soils microrelief. <i>Biosystems Engineering</i> , 2009, 103, 504-517.	1.9	76
8	Generation and Quality Assessment of Stereo-Extracted DSM From GeoEye-1 and WorldView-2 Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 1259-1271.	2.7	72
9	Object-Based Greenhouse Mapping Using Very High Resolution Satellite Data and Landsat 8 Time Series. <i>Remote Sensing</i> , 2016, 8, 513.	1.8	68
10	Object-Based Greenhouse Classification from GeoEye-1 and WorldView-2 Stereo Imagery. <i>Remote Sensing</i> , 2014, 6, 3554-3582.	1.8	67
11	Object-Based Greenhouse Horticultural Crop Identification from Multi-Temporal Satellite Imagery: A Case Study in Almería, Spain. <i>Remote Sensing</i> , 2015, 7, 7378-7401.	1.8	58
12	Detecting greenhouse changes from QuickBird imagery on the Mediterranean coast. <i>International Journal of Remote Sensing</i> , 2006, 27, 4751-4767.	1.3	53
13	The accuracy of grid digital elevation models linearly constructed from scattered sample data. <i>International Journal of Geographical Information Science</i> , 2006, 20, 169-192.	2.2	43
14	Geopositioning Accuracy Assessment of GeoEye-1 Panchromatic and Multispectral Imagery. <i>Photogrammetric Engineering and Remote Sensing</i> , 2012, 78, 247-257.	0.3	43
15	Swelling of biocrusts upon wetting induces changes in surface micro-topography. <i>Soil Biology and Biochemistry</i> , 2015, 82, 107-111.	4.2	41
16	Remote Sensing of Agricultural Greenhouses and Plastic-Mulched Farmland: An Analysis of Worldwide Research. <i>Remote Sensing</i> , 2020, 12, 2649.	1.8	40
17	Accuracy assessment of digital elevation models using a non-parametric approach. <i>International Journal of Geographical Information Science</i> , 2007, 21, 667-686.	2.2	39
18	Geometric accuracy assessment of the orthorectification process from very high resolution satellite imagery for Common Agricultural Policy purposes. <i>International Journal of Remote Sensing</i> , 2008, 29, 7181-7197.	1.3	38

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19	Greenhouse Crop Identification from Multi-Temporal Multi-Sensor Satellite Imagery Using Object-Based Approach: A Case Study from Almería (Spain). <i>Remote Sensing</i> , 2018, 10, 1751.	1.8	29
20	Methodological proposal to assess plastic greenhouses land cover change from the combination of archival aerial orthoimages and Landsat data. <i>Biosystems Engineering</i> , 2018, 175, 36-51.	1.9	28
21	Relationship between atmospheric corrections and training-site strategy with respect to accuracy of greenhouse detection process from very high resolution imagery. <i>International Journal of Remote Sensing</i> , 2010, 31, 2977-2994.	1.3	27
22	AssesSegâ€”A Command Line Tool to Quantify Image Segmentation Quality: A Test Carried Out in Southern Spain from Satellite Imagery. <i>Remote Sensing</i> , 2017, 9, 40.	1.8	27
23	Geometric Accuracy Assessment of QuickBird Basic Imagery Using Different Operational Approaches. <i>Photogrammetric Engineering and Remote Sensing</i> , 2007, 73, 1321-1332.	0.3	26
24	A Theoretical Approach to Modeling the Accuracy Assessment of Digital Elevation Models. <i>Photogrammetric Engineering and Remote Sensing</i> , 2007, 73, 1367-1379.	0.3	24
25	UAV-Based Digital Terrain Model Generation under Leaf-Off Conditions to Support Teak Plantations Inventories in Tropical Dry Forests. A Case of the Coastal Region of Ecuador. <i>Sensors</i> , 2019, 19, 1934.	2.1	24
26	Evaluation of the Consistency of Simultaneously Acquired Sentinel-2 and Landsat 8 Imagery on Plastic Covered Greenhouses. <i>Remote Sensing</i> , 2020, 12, 2015.	1.8	22
27	The Evaluation of Close-range Photogrammetry for the Modelling of Mouldboard Plough Surfaces. <i>Biosystems Engineering</i> , 2005, 90, 397-407.	1.9	21
28	Quality assessment of digital surface models extracted from WorldView-2 and WorldView-3 stereo pairs over different land covers. <i>GIScience and Remote Sensing</i> , 2019, 56, 109-129.	2.4	21
29	DSM and DTM generation from VHR satellite stereo imagery over plastic covered greenhouse areas. <i>Computers and Electronics in Agriculture</i> , 2019, 164, 104903.	3.7	21
30	Accuracy Assessment of Commercial Self-Calibrating Bundle Adjustment Routines Applied to Archival Aerial Photography. <i>Photogrammetric Record</i> , 2013, 28, 96-114.	0.4	20
31	A Quantitative Assessment of Forest Cover Change in the Moulouya River Watershed (Morocco) by the Integration of a Subpixel-Based and Object-Based Analysis of Landsat Data. <i>Forests</i> , 2016, 7, 23.	0.9	18
32	Classification of urban areas from GeoEye-1 imagery through texture features based on Histograms of Equivalent Patterns. <i>European Journal of Remote Sensing</i> , 2016, 49, 93-120.	1.7	13
33	Co-Design of a 3D Virtual Campus for Synchronous Distance Teaching Based on Student Satisfaction: Experience at the University of Almería (Spain). <i>Education Sciences</i> , 2019, 9, 21.	1.4	13
34	Developing Allometric Equations for Teak Plantations Located in the Coastal Region of Ecuador from Terrestrial Laser Scanning Data. <i>Forests</i> , 2019, 10, 1050.	0.9	13
35	Maximum Depression Storage and Surface Drainage Network in Uneven Agricultural Landforms. <i>Biosystems Engineering</i> , 2006, 95, 281-293.	1.9	12
36	Evaluation of Object-Based Greenhouse Mapping Using WorldView-3 VNIR and SWIR Data: A Case Study from Almería (Spain). <i>Remote Sensing</i> , 2021, 13, 2133.	1.8	12

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37	Assessing Geometric Reliability of Corrected Images from Very High Resolution Satellites. Photogrammetric Engineering and Remote Sensing, 2008, 74, 1551-1560.	0.3	11
38	A New, Robust, and Accurate Method to Extract Tide-Coordinated Shorelines from Coastal Elevation Models. Journal of Coastal Research, 2012, 282, 683-699.	0.1	11
39	Non-Parametric Object-Based Approaches to Carry Out ISA Classification From Archival Aerial Orthoimages. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 2058-2071.	2.3	11
40	Improving georeferencing accuracy of Very High Resolution satellite imagery using freely available ancillary data at global coverage. International Journal of Digital Earth, 2017, 10, 1055-1069.	1.6	11
41	Optimizing Multiresolution Segmentation for Extracting Plastic Greenhouses from WorldView-3 Imagery. Smart Innovation, Systems and Technologies, 2018, , 31-40.	0.5	11
42	A New Two-Step Robust Surface Matching Approach for Three-Dimensional Georeferencing of Historical Digital Elevation Models. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 589-593.	1.4	10
43	Comparison of spectral indices extracted from Sentinel-2 images to map plastic covered greenhouses through an object-based approach. GIScience and Remote Sensing, 2022, 59, 822-842.	2.4	10
44	Developing digital cartography in rural planning applications. Computers and Electronics in Agriculture, 2007, 55, 89-106.	3.7	9
45	A comprehensive framework for exploratory spatial data analysis: Moran location and variance scatterplots. International Journal of Digital Earth, 2010, 3, 157-186.	1.6	9
46	Influence of Data Source and Training Size on Impervious Surface Areas Classification Using VHR Satellite and Aerial Imagery Through an Object-Based Approach. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4681-4691.	2.3	8
47	The integration of multi-source remote sensing data for the modelling of shoreline change rates in a mediterranean coastal sector. International Journal of Remote Sensing, 2019, 40, 1148-1174.	1.3	8
48	Comparing geometric and radiometric information from GeoEye-1 and WorldView-2 multispectral imagery. European Journal of Remote Sensing, 2014, 47, 717-738.	1.7	7
49	Mapping small areas using a low-cost close range photogrammetric software package with aerial photography. Photogrammetric Record, 2005, 20, 335-350.	0.4	6
50	EVALUACI3N DE ENTORNOS INMERSIVOS 3D COMO HERRAMIENTA DE APRENDIZAJE B-LEARNING. Educaci3n XXI, 2018, 21, .	0.3	5
51	Minimising the Earthwork Cost in the Construction of Irrigation Offstream Reservoirs. Water Resources Management, 2007, 21, 375-397.	1.9	3
52	3D Coastal Monitoring from very dense UAV-Based Photogrammetric Point Clouds. Lecture Notes in Mechanical Engineering, 2017, , 879-887.	0.3	3
53	Geometric Accuracy Assessment of Deimos-2 Panchromatic Stereo Pairs: Sensor Orientation and Digital Surface Model Production. Sensors, 2020, 20, 7234.	2.1	3
54	Efficient methods to convert LiDAR-derived ellipsoid heights to orthometric heights. International Journal of Applied Earth Observation and Geoinformation, 2012, 18, 573-578.	1.4	2

#	ARTICLE	IF	CITATIONS
55	Assessing Shoreline Change Rates in Mediterranean Beaches. Coastal Research Library, 2018, , 219-237.	0.2	1
56	Introducción del 'Proceso de Diseño' en el aula de dibujo técnico como propuesta para el empoderamiento creativo del alumnado. Arte, Individuo Y Sociedad, 2020, 32, 227-246.	0.0	1
57	Precisión y eficiencia del inventario de plantaciones de teca en Ecuador mediante escáner láser terrestre. Madera Bosques, 2021, 27, .	0.1	1
58	FUSIÓN DE NUBES DE PUNTOS DE ESCÁNER LÁSER TERRESTRE Y FOTOGRAMETRÍA AEREA BASADA EN IMÁGENES DE DRONES PARA EL INVENTARIO DE BOSQUES MEDITERRÁNEOS. Dyna (Spain), 2019, 94, 131-136.	0.1	1
59	Building Tree Allometry Relationships Based on TLS Point Clouds and Machine Learning Regression. Applied Sciences (Switzerland), 2021, 11, 10139.	1.3	1
60	C_AssesSeg Concurrent Computing Version of AssesSeg: A Benchmark Between the New and Previous Version. Lecture Notes in Computer Science, 2017, , 45-56.	1.0	0
61	A New Threshold Relative Radiometric Correction Algorithm (TRRCA) of Multiband Satellite Data. Smart Innovation, Systems and Technologies, 2018, , 41-50.	0.5	0
62	Processing Very High-Resolution Satellite Images for Individual Tree Identification with Local Maxima Method. Communications in Computer and Information Science, 2020, , 323-335.	0.4	0