

# Guillermo Castilla

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,119  
citations

567281

15  
h-index

526287

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1375  
citing authors

#	ARTICLE	IF	CITATIONS
1	An automated object-based approach for the multiscale image segmentation of forest scenes. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2005, 7, 339-359.	2.8	268
2	Seismic lines in the boreal and arctic ecosystems of North America: environmental impacts, challenges, and opportunities. <i>Environmental Reviews</i> , 2018, 26, 214-229.	4.5	96
3	Remote sensing of forest pest damage: a review and lessons learned from a Canadian perspective. <i>Canadian Entomologist</i> , 2016, 148, S296-S356.	0.8	95
4	Automated Detection of Conifer Seedlings in Drone Imagery Using Convolutional Neural Networks. <i>Remote Sensing</i> , 2019, 11, 2585.	4.0	68
5	Size-constrained Region Merging (SCRM). <i>Photogrammetric Engineering and Remote Sensing</i> , 2008, 74, 409-419.	0.6	64
6	Development of a pit filling algorithm for LiDAR canopy height models. <i>Computers and Geosciences</i> , 2009, 35, 1940-1949.	4.2	63
7	Towards automated segmentation of forest inventory polygons on high spatial resolution satellite imagery. <i>Forestry Chronicle</i> , 2008, 84, 221-230.	0.6	61
8	The impact of thematic resolution on the patch-mosaic model of natural landscapes. <i>Landscape Ecology</i> , 2009, 24, 15-23.	4.2	57
9	Measuring Vegetation Height in Linear Disturbances in the Boreal Forest with UAV Photogrammetry. <i>Remote Sensing</i> , 2017, 9, 1257.	4.0	57
10	A multiscale geographic object-based image analysis to estimate lidar-measured forest canopy height using Quickbird imagery. <i>International Journal of Geographical Information Science</i> , 2011, 25, 877-893.	4.8	55
11	Detection of Coniferous Seedlings in UAV Imagery. <i>Forests</i> , 2018, 9, 432.	2.1	48
12	Uncertainties in land use data. <i>Hydrology and Earth System Sciences</i> , 2007, 11, 1857-1868.	4.9	33
13	Harmonised techniques and representative river basin data for assessment and use of uncertainty information in integrated water management (HarmoniRiB). <i>Environmental Science and Policy</i> , 2005, 8, 267-277.	4.9	29
14	A Simple Transformation for Visualizing Non-seasonal Landscape Change From Dense Time Series of Satellite Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 3372-3383.	4.9	17
15	Mapping Coarse Woody Debris with Random Forest Classification of Centimetric Aerial Imagery. <i>Forests</i> , 2019, 10, 471.	2.1	17
16	Estimating Individual Conifer Seedling Height Using Drone-Based Image Point Clouds. <i>Forests</i> , 2020, 11, 924.	2.1	14
17	The Land-cover Change Mapper (LCM) and its Application to Timber Harvest Monitoring in Western Canada. <i>Photogrammetric Engineering and Remote Sensing</i> , 2009, 75, 941-950.	0.6	13
18	The impact of object size on the thematic accuracy of landcover maps. <i>International Journal of Remote Sensing</i> , 2014, 35, 1029-1037.	2.9	11

#	ARTICLE	IF	CITATIONS
19	We Must all Pay More Attention to Rigor in Accuracy Assessment: Additional Comment to "The Improvement of Land Cover Classification by Thermal Remote Sensing" Remote Sens. 2015, 7, 8368-8390. Remote Sensing, 2016, 8, 288.	4.0	9
20	Using TLS-Measured Tree Attributes to Estimate Aboveground Biomass in Small Black Spruce Trees. Forests, 2021, 12, 1521.	2.1	8
21	The Multisource Vegetation Inventory (MVI): A Satellite-Based Forest Inventory for the Northwest Territories Taiga Plains. Remote Sensing, 2022, 14, 1108.	4.0	6
22	Completion and updating of a Landsat-based land cover polygon layer for Alberta, Canada. Canadian Journal of Remote Sensing, 0, , 00-00.	2.4	5
23	Four National Maps of Broad Forest Type Provide Inconsistent Answers to the Question of What Burns in Canada. Remote Sensing, 2016, 8, 539.	4.0	5
24	Improved k-NN Mapping of Forest Attributes in Northern Canada Using Spaceborne L-Band SAR, Multispectral and LiDAR Data. Remote Sensing, 2022, 14, 1181.	4.0	5
25	Extending the National Burned Area Composite Time Series of Wildfires in Canada. Remote Sensing, 2022, 14, 3050.	4.0	5
26	Size-constrained region merging (SCRM): a new segmentation method to derive a baseline partition for object-oriented classification. Proceedings of SPIE, 2004, , .	0.8	4
27	Quantifying bias in pattern indices extracted from spatially offset landscape samples. Canadian Journal of Forest Research, 2011, 41, 2090-2096.	1.7	3
28	Broadening modern resource inventories: A new protocol for mapping natural and anthropogenic features. Forestry Chronicle, 2013, 89, 681-689.	0.6	2
29	POLS: A versatile tool for sampling polygon GIS layers. Computers and Geosciences, 2014, 67, 139-149.	4.2	1
30	Automated backdating of transportation networks with Landsat imagery. , 2011, , .		0
31	Semi-automated generation of a multi-temporal forest depletion layer with the Landcover Change Mapper (LCM). , 2011, , .		0