Guillermo Castilla

List of Publications by Year
in descending order

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	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
2	The Multisource Vegetation Inventory (MVI): A Satellite-Based Forest Inventory for the Northwest Territories Taiga Plains. Remote Sensing, 2022, 14, 1108.	4.0	6
3	Extending the National Burned Area Composite Time Series of Wildfires in Canada. Remote Sensing, 2022, 14, 3050.	4.0	5
4	Using TLS-Measured Tree Attributes to Estimate Aboveground Biomass in Small Black Spruce Trees. Forests, 2021, 12, 1521.	2.1	8
5	Estimating Individual Conifer Seedling Height Using Drone-Based Image Point Clouds. Forests, 2020, 11, 924.	2.1	14
6	Mapping Coarse Woody Debris with Random Forest Classification of Centimetric Aerial Imagery. Forests, 2019, 10, 471.	2.1	17
7	Automated Detection of Conifer Seedlings in Drone Imagery Using Convolutional Neural Networks. Remote Sensing, 2019, 11, 2585.	4.0	68
8	Seismic lines in the boreal and arctic ecosystems of North America: environmental impacts, challenges, and opportunities. Environmental Reviews, 2018, 26, 214-229.	4.5	96
9	Detection of Coniferous Seedlings in UAV Imagery. Forests, 2018, 9, 432.	2.1	48
10	Measuring Vegetation Height in Linear Disturbances in the Boreal Forest with UAV Photogrammetry. Remote Sensing, 2017, 9, 1257.	4.0	57
11	We Must all Pay More Attention to Rigor in Accuracy Assessment: Additional Comment to â€œThe Improvement of Land Cover Classification by Thermal Remote Sensingâ€• Remote Sens. 2015, 7, 8368â€“8390. Remote Sensing, 2016, 8, 288.	4.0	9
12	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
13	Remote sensing of forest pest damage: a review and lessons learned from a Canadian perspective. Canadian Entomologist, 2016, 148, S296-S356.	0.8	95
14	A Simple Transformation for Visualizing Non-seasonal Landscape Change From Dense Time Series of Satellite Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3372-3383.	4.9	17
15	POLS: A versatile tool for sampling polygon GIS layers. Computers and Geosciences, 2014, 67, 139-149.	4.2	1
16	The impact of object size on the thematic accuracy of landcover maps. International Journal of Remote Sensing, 2014, 35, 1029-1037.	2.9	11
17	Broadening modern resource inventories: A new protocol for mapping natural and anthropogenic features. Forestry Chronicle, 2013, 89, 681-689.	0.6	2
18	Automated backdating of transportation networks with Landsat imagery. , 2011, , .		0

#	Article	IF	Citations
19	Quantifying bias in pattern indices extracted from spatially offset landscape samples. Canadian Journal of Forest Research, 2011, 41, 2090-2096.	1.7	3
20	A multiscale geographic object-based image analysis to estimate lidar-measured forest canopy height using Quickbird imagery. International Journal of Geographical Information Science, 2011, 25, 877-893.	4.8	55
21	Semi-automated generation of a multi-temporal forest depletion layer with the Landcover Change Mapper (LCM). , 2011, , .		0
22	Development of a pit filling algorithm for LiDAR canopy height models. Computers and Geosciences, 2009, 35, 1940-1949.	4.2	63
23	The impact of thematic resolution on the patch-mosaic model of natural landscapes. Landscape Ecology, 2009, 24, 15-23.	4.2	57
24	The Land-cover Change Mapper (LCM) and its Application to Timber Harvest Monitoring in Western Canada. Photogrammetric Engineering and Remote Sensing, 2009, 75, 941-950.	0.6	13
25	Size-constrained Region Merging (SCRM). Photogrammetric Engineering and Remote Sensing, 2008, 74, 409-419.	0.6	64
26	Towards automated segmentation of forest inventory polygons on high spatial resolution satellite imagery. Forestry Chronicle, 2008, 84, 221-230.	0.6	61
27	Uncertainties in land use data. Hydrology and Earth System Sciences, 2007, 11, 1857-1868.	4.9	33
28	Harmonised techniques and representative river basin data for assessment and use of uncertainty information in integrated water management (HarmoniRiB). Environmental Science and Policy, 2005, 8, 267-277.	4.9	29
29	An automated object-based approach for the multiscale image segmentation of forest scenes. International Journal of Applied Earth Observation and Geoinformation, 2005, 7, 339-359.	2.8	268
30	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
31	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