Mauricio Galleguillos

List of Publications by Year
in descending order

43	1,834	361413	276875
papers	citations	20 h-index	41 g-index

56	56	56	2576
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessing the socio-economic and land-cover drivers of wildfire activity and its spatiotemporal distribution in south-central Chile. Science of the Total Environment, 2022, 810, 152002.	8.0	13
2	Testing the Model Efficiency of HYDRUS 2D/3D Under Desert Conditions for Water Content and Pore Electrical Conductivity: a Case Study in an Olive Orchard. Journal of Soil Science and Plant Nutrition, 2022, 22, 1859-1872.	3.4	3
3	Irrigation management or climate change ? Which is more important to cope with water shortage in the production of table grape in a Mediterranean context. Agricultural Water Management, 2022, 263, 107467.	5.6	10
4	Disturbance alters relationships between soil carbon pools and aboveground vegetation attributes in an anthropogenic peatland in Patagonia. Ecology and Evolution, 2022, 12, e8694.	1.9	2
5	An operational method for mapping the composition of post-fire litter. Remote Sensing Letters, 2022, 13, 511-521.	1.4	2
6	Soil research, management, and policy priorities in Chile. Geoderma Regional, 2022, 29, e00502.	2.1	3
7	A coupled modeling approach to assess the effect of forest policies in water provision: A biophysical evaluation of a drought-prone rural catchment in south-central Chile. Science of the Total Environment, 2022, 830, 154608.	8.0	4
8	Using Sentinel-2 and canopy height models to derive a landscape-level biomass map covering multiple vegetation types. International Journal of Applied Earth Observation and Geoinformation, 2021, 94, 102236.	2.8	15
9	Water management or megadrought: what caused the Chilean Aculeo Lake drying?. Regional Environmental Change, 2021, 21, 1.	2.9	25
10	Disentangling the effect of future land use strategies and climate change on streamflow in a Mediterranean catchment dominated by tree plantations. Journal of Hydrology, 2021, 595, 126047.	5.4	29
11	Effect of urban tree diversity and condition on surface temperature at the city block scale. Urban Forestry and Urban Greening, 2021, 60, 127069.	5.3	12
12	Are Remote Sensing Evapotranspiration Models Reliable Across South American Ecoregions?. Water Resources Research, 2021, 57, e2020WR028752.	4.2	17
13	Predicting spatial variability of selected soil properties using digital soil mapping in a rainfed vineyard of central Chile. Geoderma Regional, 2020, 22, e00289.	2.1	23
14	CHLSOC: the Chilean Soil Organic Carbon database, a multi-institutional collaborative effort. Earth System Science Data, 2020, 12, 457-468.	9.9	16
15	Operationalizing the IUCN Red List of Ecosystems in public policy. Conservation Letters, 2019, 12, e12665.	5.7	25
16	Using aboveground vegetation attributes as proxies for mapping peatland belowground carbon stocks. Remote Sensing of Environment, 2019, 231, 111217.	11.0	27
17	The Impacts of Native Forests and Forest Plantations on Water Supply in Chile. Forests, 2019, 10, 473.	2.1	46
18	Integrating socio-ecological dynamics into land use policy outcomes: A spatial scenario approach for native forest conservation in south-central Chile. Land Use Policy, 2019, 84, 31-42.	5.6	19

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19	GIMMS NDVI time series reveal the extent, duration, and intensity of â€œblooming desertâ€•events in the hyper-arid Atacama Desert, Northern Chile. International Journal of Applied Earth Observation and Geoinformation, 2019, 76, 193-203.	2.8	42
20	Assessment of soil physical properties' statuses under different land covers within a landscape dominated by exotic industrial tree plantations in south-central Chile. Journal of Soils and Water Conservation, 2019, 74, 12-23.	1.6	17
21	The CAMELS-CL dataset: catchment attributes and meteorology for large sample studies â€“ Chile dataset. Hydrology and Earth System Sciences, 2018, 22, 5817-5846.	4.9	188
22	Impact of residential combustion and transport emissions on air pollution in Santiago during winter. Atmospheric Environment, 2018, 190, 195-208.	4.1	41
23	Evolution of air quality in Santiago: The role of mobility and lessons from the science-policy interface. Elementa, 2018, 6, .	3.2	28
24	Estimation of actual evapotranspiration over a rainfed vineyard using a 1-D water transfer model: A case study within a Mediterranean watershed. Agricultural Water Management, 2017, 184, 67-76.	5.6	15
25	Predicting Vascular Plant Diversity in Anthropogenic Peatlands: Comparison of Modeling Methods with Free Satellite Data. Remote Sensing, 2017, 9, 681.	4.0	18
26	The 2010â€“2015 megadrought in central Chile: impacts on regional hydroclimate and vegetation. Hydrology and Earth System Sciences, 2017, 21, 6307-6327.	4.9	368
27	How many measurements are needed to estimate accurate daily and annual soil respiration fluxes? Analysis using data from a temperate rainforest. Biogeosciences, 2016, 13, 6599-6609.	3.3	9
28	Predicting Vascular Plant Richness in a Heterogeneous Wetland Using Spectral and Textural Features and a Random Forest Algorithm. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 646-650.	3.1	16
29	Assessment of quality of input data used to classify ecosystems according to the IUCN Red List methodology: The case of the central Chile hotspot. Biological Conservation, 2016, 204, 378-385.	4.1	36
30	Detailed dynamic land cover mapping of Chile: Accuracy improvement by integrating multi-temporal data. Remote Sensing of Environment, 2016, 183, 170-185.	11.0	146
31	Comparing Generalized Linear Models and random forest to model vascular plant species richness using LiDAR data in a natural forest in central Chile. Remote Sensing of Environment, 2016, 173, 200-210.	11.0	122
32	Evaluation of impacts of management in an anthropogenic peatland using field and remote sensing data. Ecosphere, 2015, 6, 1-24.	2.2	17
33	Using Ridge Regression Models to Estimate Grain Yield from Field Spectral Data in Bread Wheat (Triticum Aestivum L.) Grown under Three Water Regimes. Remote Sensing, 2015, 7, 2109-2126.	4.0	51
34	Comparison of Airborne LiDAR and Satellite Hyperspectral Remote Sensing to Estimate Vascular Plant Richness in Deciduous Mediterranean Forests of Central Chile. Remote Sensing, 2015, 7, 2692-2714.	4.0	24
35	Tree carbon stock in evergreen forests of ChiloÃ©, Chile. Bosque, 2015, 36, 27-39.	0.3	8
36	Using a Multistructural Object-Based LiDAR Approach to Estimate Vascular Plant Richness in Mediterranean Forests With Complex Structure. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1008-1012.	3.1	25

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37	Presencia, abundancia y asociatividad de Citronella mucronata en bosques secundarios de Nothofagus obliqua en la precordillera de CuricÃ³, regiÃ³n del Maule, Chile. Bosque, 2014, 35, 269-278.	0.3	3
38	Actual evapotranspiration and its relation with floristic composition and topographical features in an arid watershed. , 2014, , .		0
39	Estimation of real evapotranspiration and its variation in Mediterranean landscapes of central-southern Chile. International Journal of Applied Earth Observation and Geoinformation, 2014, 28, 160-169.	2.8	29
40	The utility of remotely-sensed vegetative and terrain covariates at different spatial resolutions in modelling soil and watertable depth (for digital soil mapping). Geoderma, 2013, 193-194, 83-93.	5.1	35
41	Mapping Daily Evapotranspiration Over a Mediterranean Vineyard Watershed. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 168-172.	3.1	39
42	Comparison of two temperature differencing methods to estimate daily evapotranspiration over a Mediterranean vineyard watershed from ASTER data. Remote Sensing of Environment, 2011, 115, 1326-1340.	11.0	78
43	Copper uptake and phytotoxicity as assessed in situ for durum wheat (Triticum turgidum durum L.) cultivated in Cu-contaminated, former vineyard soils. Plant and Soil, 2007, 298, 99-111.	3.7	126