

Mauricio Galleguillos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9391802/publications.pdf>

Version: 2024-02-01

43
papers

1,834
citations

361413

20
h-index

276875

41
g-index

56
all docs

56
docs citations

56
times ranked

2576
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2010–2015 megadrought in central Chile: impacts on regional hydroclimate and vegetation. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 6307-6327.	4.9	368
2	The CAMELS-CL dataset: catchment attributes and meteorology for large sample studies – Chile dataset. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5817-5846.	4.9	188
3	Detailed dynamic land cover mapping of Chile: Accuracy improvement by integrating multi-temporal data. <i>Remote Sensing of Environment</i> , 2016, 183, 170-185.	11.0	146
4	Copper uptake and phytotoxicity as assessed in situ for durum wheat (<i>Triticum turgidum durum</i> L.) cultivated in Cu-contaminated, former vineyard soils. <i>Plant and Soil</i> , 2007, 298, 99-111.	3.7	126
5	Comparing Generalized Linear Models and random forest to model vascular plant species richness using LiDAR data in a natural forest in central Chile. <i>Remote Sensing of Environment</i> , 2016, 173, 200-210.	11.0	122
6	Comparison of two temperature differencing methods to estimate daily evapotranspiration over a Mediterranean vineyard watershed from ASTER data. <i>Remote Sensing of Environment</i> , 2011, 115, 1326-1340.	11.0	78
7	Using Ridge Regression Models to Estimate Grain Yield from Field Spectral Data in Bread Wheat (<i>Triticum Aestivum</i> L.) Grown under Three Water Regimes. <i>Remote Sensing</i> , 2015, 7, 2109-2126.	4.0	51
8	The Impacts of Native Forests and Forest Plantations on Water Supply in Chile. <i>Forests</i> , 2019, 10, 473.	2.1	46
9	GIMMS NDVI time series reveal the extent, duration, and intensity of “blooming desert” events in the hyper-arid Atacama Desert, Northern Chile. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 76, 193-203.	2.8	42
10	Impact of residential combustion and transport emissions on air pollution in Santiago during winter. <i>Atmospheric Environment</i> , 2018, 190, 195-208.	4.1	41
11	Mapping Daily Evapotranspiration Over a Mediterranean Vineyard Watershed. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011, 8, 168-172.	3.1	39
12	Assessment of quality of input data used to classify ecosystems according to the IUCN Red List methodology: The case of the central Chile hotspot. <i>Biological Conservation</i> , 2016, 204, 378-385.	4.1	36
13	The utility of remotely-sensed vegetative and terrain covariates at different spatial resolutions in modelling soil and watertable depth (for digital soil mapping). <i>Geoderma</i> , 2013, 193-194, 83-93.	5.1	35
14	Estimation of real evapotranspiration and its variation in Mediterranean landscapes of central-southern Chile. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 28, 160-169.	2.8	29
15	Disentangling the effect of future land use strategies and climate change on streamflow in a Mediterranean catchment dominated by tree plantations. <i>Journal of Hydrology</i> , 2021, 595, 126047.	5.4	29
16	Evolution of air quality in Santiago: The role of mobility and lessons from the science-policy interface. <i>Elementa</i> , 2018, 6, .	3.2	28
17	Using aboveground vegetation attributes as proxies for mapping peatland belowground carbon stocks. <i>Remote Sensing of Environment</i> , 2019, 231, 111217.	11.0	27
18	Using a Multistructural Object-Based LiDAR Approach to Estimate Vascular Plant Richness in Mediterranean Forests With Complex Structure. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1008-1012.	3.1	25

#	ARTICLE	IF	CITATIONS
19	Operationalizing the IUCN Red List of Ecosystems in public policy. <i>Conservation Letters</i> , 2019, 12, e12665.	5.7	25
20	Water management or megadrought: what caused the Chilean Aculeo Lake drying?. <i>Regional Environmental Change</i> , 2021, 21, 1.	2.9	25
21	Comparison of Airborne LiDAR and Satellite Hyperspectral Remote Sensing to Estimate Vascular Plant Richness in Deciduous Mediterranean Forests of Central Chile. <i>Remote Sensing</i> , 2015, 7, 2692-2714.	4.0	24
22	Predicting spatial variability of selected soil properties using digital soil mapping in a rainfed vineyard of central Chile. <i>Geoderma Regional</i> , 2020, 22, e00289.	2.1	23
23	Integrating socio-ecological dynamics into land use policy outcomes: A spatial scenario approach for native forest conservation in south-central Chile. <i>Land Use Policy</i> , 2019, 84, 31-42.	5.6	19
24	Predicting Vascular Plant Diversity in Anthropogenic Peatlands: Comparison of Modeling Methods with Free Satellite Data. <i>Remote Sensing</i> , 2017, 9, 681.	4.0	18
25	Evaluation of impacts of management in an anthropogenic peatland using field and remote sensing data. <i>Ecosphere</i> , 2015, 6, 1-24.	2.2	17
26	Assessment of soil physical properties' statuses under different land covers within a landscape dominated by exotic industrial tree plantations in south-central Chile. <i>Journal of Soils and Water Conservation</i> , 2019, 74, 12-23.	1.6	17
27	Are Remote Sensing Evapotranspiration Models Reliable Across South American Ecoregions?. <i>Water Resources Research</i> , 2021, 57, e2020WR028752.	4.2	17
28	Predicting Vascular Plant Richness in a Heterogeneous Wetland Using Spectral and Textural Features and a Random Forest Algorithm. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 646-650.	3.1	16
29	CHLSOC: the Chilean Soil Organic Carbon database, a multi-institutional collaborative effort. <i>Earth System Science Data</i> , 2020, 12, 457-468.	9.9	16
30	Estimation of actual evapotranspiration over a rainfed vineyard using a 1-D water transfer model: A case study within a Mediterranean watershed. <i>Agricultural Water Management</i> , 2017, 184, 67-76.	5.6	15
31	Using Sentinel-2 and canopy height models to derive a landscape-level biomass map covering multiple vegetation types. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 94, 102236.	2.8	15
32	Assessing the socio-economic and land-cover drivers of wildfire activity and its spatiotemporal distribution in south-central Chile. <i>Science of the Total Environment</i> , 2022, 810, 152002.	8.0	13
33	Effect of urban tree diversity and condition on surface temperature at the city block scale. <i>Urban Forestry and Urban Greening</i> , 2021, 60, 127069.	5.3	12
34	Irrigation management or climate change ? Which is more important to cope with water shortage in the production of table grape in a Mediterranean context. <i>Agricultural Water Management</i> , 2022, 263, 107467.	5.6	10
35	How many measurements are needed to estimate accurate daily and annual soil respiration fluxes? Analysis using data from a temperate rainforest. <i>Biogeosciences</i> , 2016, 13, 6599-6609.	3.3	9
36	Tree carbon stock in evergreen forests of Chilo, Chile. <i>Bosque</i> , 2015, 36, 27-39.	0.3	8

#	ARTICLE	IF	CITATIONS
37	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. <i>Science of the Total Environment</i> , 2022, 830, 154608.	8.0	4
38	Presencia, abundancia y asociatividad de <i>Citronella mucronata</i> en bosques secundarios de <i>Nothofagus obliqua</i> en la precordillera de Curic�, regi�n del Maule, Chile. <i>Bosque</i> , 2014, 35, 269-278.	0.3	3
39	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. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1859-1872.	3.4	3
40	Soil research, management, and policy priorities in Chile. <i>Geoderma Regional</i> , 2022, 29, e00502.	2.1	3
41	Disturbance alters relationships between soil carbon pools and aboveground vegetation attributes in an anthropogenic peatland in Patagonia. <i>Ecology and Evolution</i> , 2022, 12, e8694.	1.9	2
42	An operational method for mapping the composition of post-fire litter. <i>Remote Sensing Letters</i> , 2022, 13, 511-521.	1.4	2
43	Actual evapotranspiration and its relation with floristic composition and topographical features in an arid watershed. , 2014, , .		0