

Diego Rivera

List of Publications by Year in descending order

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52
papers

894
citations

623734
14
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526287
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all docs

55
docs citations

55
times ranked

1128
citing authors

#	ARTICLE	IF	CITATIONS
1	Force Measurement with a Strain Gauge Subjected to Pure Bending in the Fluid–Wall Interaction of Open Water Channels. Applied Sciences (Switzerland), 2022, 12, 1744.	2.5	2
2	An Analysis of the Effects of Large Wildfires on the Hydrology of Three Small Catchments in Central Chile Using Tritium-Based Measurements and Hydrological Metrics. Hydrology, 2022, 9, 45.	3.0	7
3	Global patterns of nitrate isotope composition in rivers and adjacent aquifers reveal reactive nitrogen cascading. Communications Earth & Environment, 2021, 2, .	6.8	56
4	Ex Post Analysis of Water Supply Demand in an Agricultural Basin by Multi-Source Data Integration. Remote Sensing, 2021, 13, 2022.	4.0	2
5	Circular Economy in a Water-Energy-Food Security Nexus Associate to an SDGs Framework: Understanding Complexities. , 2021, , 219-239.		2
6	Neutral Sugar Content and Composition as a Sensitive Indicator of Fire Severity in the Andisols of an Araucaria–Nothofagus Forest in Southern Chile. Sustainability, 2021, 13, 12061.	3.2	1
7	Comparison of Three Daily Rainfall-Runoff Hydrological Models Using Four Evapotranspiration Models in Four Small Forested Watersheds with Different Land Cover in South-Central Chile. Water (Switzerland), 2021, 13, 3191.	2.7	16
8	At the crossroads: can desalination be a suitable public policy solution to address water scarcity in Chile's mining zones?. Journal of Environmental Management, 2020, 258, 110039.	7.8	41
9	A satellite-based ex post analysis of water management in a blueberry orchard. Computers and Electronics in Agriculture, 2020, 176, 105635.	7.7	3
10	Simulation of Water-Use Efficiency of Crops under Different Irrigation Strategies. Water (Switzerland), 2020, 12, 2930.	2.7	9
11	Estimation of Yield Response Factor for Each Growth Stage under Local Conditions Using AquaCrop-OS. Water (Switzerland), 2020, 12, 1080.	2.7	6
12	Understanding water disputes in Chile with text and data mining tools. Water International, 2019, 44, 302-320.	1.0	7
13	Validation of Cryogenic Vacuum Extraction of Pore Water from Volcanic Soils for Isotopic Analysis. Water (Switzerland), 2019, 11, 2214.	2.7	0
14	Comparison of approaches to interpolating climate observations in steep terrain with low-density gauging networks. Hydrology and Earth System Sciences, 2019, 23, 4763-4781.	4.9	6
15	Seasonal Crop Water Balance Using Harmonized Landsat-8 and Sentinel-2 Time Series Data. Water (Switzerland), 2019, 11, 2236.	2.7	11
16	The Hydro-economics of Mining. Ecological Economics, 2018, 145, 368-379.	5.7	59
17	Multiperiod Optimisation of Irrigated Crops under Different Conditions of Water Availability. Water (Switzerland), 2018, 10, 1434.	2.7	7
18	Spatial and Temporal Analysis of Rainfall Concentration Using the Gini Index and PCI. Water (Switzerland), 2018, 10, 112.	2.7	28

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19	Reuse and Recycling of Livestock and Municipal Wastewater in Chilean Agriculture: A Preliminary Assessment. <i>Water</i> (Switzerland), 2018, 10, 817.	2.7	34
20	Fuzzy-based assessment of groundwater intrinsic vulnerability of a volcanic aquifer in the Chilean Andean Valley. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 390.	2.7	9
21	First report on organochlorine pesticides in water in a highly productive agro-industrial basin of the Central Valley, Chile. <i>Chemosphere</i> , 2017, 174, 148-156.	8.2	41
22	Geography of legal water disputes in Chile. <i>Journal of Maps</i> , 2017, 13, 7-13.	2.0	4
23	A low-cost IoT based environmental monitoring system. A citizen approach to pollution awareness. , 2017, , .		19
24	Assessment of methods to determine soil characteristics for management and design of irrigation systems. <i>Journal of Soil Science and Plant Nutrition</i> , 2017, 17, 735-750.	3.4	11
25	Effect of water application on wine quality and yield in 'Carmenère' under the presence of a shallow water table in Central Chile. <i>Chilean Journal of Agricultural Research</i> , 2017, 77, 171-179.	1.1	5
26	Water Scarcity and the Impact of the Mining and Agricultural Sectors in Chile. <i>Sustainability</i> , 2016, 8, 128.	3.2	106
27	Variations in water resources availability at the Ecuadorian páramo due to land-use changes. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	8
28	Water Variability and the Economic Impacts on Small-Scale Farmers. A Farm Risk-Based Integrated Modelling Approach. <i>Water Resources Management</i> , 2016, 30, 1357-1373.	3.9	15
29	Legal disputes as a proxy for regional conflicts over water rights in Chile. <i>Journal of Hydrology</i> , 2016, 535, 36-45.	5.4	60
30	Anaerobic co-digestion plants for the revaluation of agricultural waste: Sustainable location sites from a GIS analysis. <i>Waste Management and Research</i> , 2016, 34, 316-326.	3.9	12
31	Exploring soil databases: a self-organizing map approach. <i>Soil Use and Management</i> , 2015, 31, 121-131.	4.9	20
32	Uncertainty in a monthly water balance model using the generalized likelihood uncertainty estimation methodology. <i>Journal of Earth System Science</i> , 2015, 124, 49-59.	1.3	8
33	Nitrogen and phosphorus distribution in a constructed wetland fed with treated swine slurry from an anaerobic lagoon. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 60-71.	1.7	11
34	Environmental-Microbial Biotechnology Inside Mining Operations from an Engineering Viewpoint Based on LCA. <i>Soil Biology</i> , 2015, , 133-158.	0.8	0
35	Gridded data for a hydrological model in a scarce-data basin. <i>Water Management</i> , 2014, 167, 249-258.	1.2	5
36	Representative locations from time series of soil water content using time stability and wavelet analysis. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 9075-9087.	2.7	13

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37	Identifiability analysis: towards constrained equifinality and reduced uncertainty in a conceptual model. Hydrological Sciences Journal, 2014, 59, 1690-1703.	2.6	27
38	On the use of Standardized Drought Indices under decadal climate variability: Critical assessment and drought policy implications. Journal of Hydrology, 2014, 517, 458-470.	5.4	56
39	Influence of Pacific Ocean multidecadal variability on the distributional properties of hydrological variables in north-central Chile. Journal of Hydrology, 2013, 501, 227-240.	5.4	35
40	Effect of drought on groundwater in a Chilean irrigated valley. Water Management, 2013, 166, 231-241.	1.2	5
41	Watersheds are not static: Implications of climate variability and hydrologic dynamics in modeling. Bosque, 2013, 34, 3-4.	0.3	9
42	A methodology to identify representative configurations of sensors for monitoring soil moisture. Environmental Monitoring and Assessment, 2012, 184, 6563-6574.	2.7	9
43	Spatio-Temporal Patterns in Soil Water Content Time Series: Influence of the Time Series Length and Precipitation Events. , 2012, , .		0
44	A simple method to identify areas of environmental risk due to manure application. Environmental Monitoring and Assessment, 2012, 184, 3915-3928.	2.7	9
45	Forecasting monthly precipitation in Central Chile: a self-organizing map approach using filtered sea surface temperature. Theoretical and Applied Climatology, 2012, 107, 1-13.	2.8	17
46	Comparison of Gridded and Measured Rainfall Data for Basin-scale Hydrological Studies. Chilean Journal of Agricultural Research, 2011, 71, 459-468.	1.1	11
47	The use of global gridded datasets in a hydrological model for a scarce-data Andean watershed. , 2011, , .		0
48	Effect of the Irrigation Canal Network on Surface and Groundwater Interactions in the Lower Valley of the Cachapoal River, Chile. Chilean Journal of Agricultural Research, 2009, 69, .	1.1	18
49	Towards In-Channel Irrigation Water Disinfection Using Solar Photocatalysis. Applied Engineering in Agriculture, 2009, 25, 685-692.	0.7	4
50	Discussion of "Hydrologic Regionalization of Watersheds in Turkey" by Sabahattin Isik and Vijay P. Singh. Journal of Hydrologic Engineering - ASCE, 2009, 14, 767-768.	1.9	1
51	Environmental Effects of Irrigation in Arid and Semi-Arid Regions. Chilean Journal of Agricultural Research, 0, 69, .	1.1	39
52	Where does the water go? Understanding geohydrological behaviour of Andean catchments in south-central Chile. Hydrological Sciences Journal, 0, , 1-12.	2.6	8