

# Diego Rivera

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

894  
citations

623734

14  
h-index

526287

27  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water Scarcity and the Impact of the Mining and Agricultural Sectors in Chile. Sustainability, 2016, 8, 128.	3.2	106
2	Legal disputes as a proxy for regional conflicts over water rights in Chile. Journal of Hydrology, 2016, 535, 36-45.	5.4	60
3	The Hydro-economics of Mining. Ecological Economics, 2018, 145, 368-379.	5.7	59
4	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
5	Global patterns of nitrate isotope composition in rivers and adjacent aquifers reveal reactive nitrogen cascading. Communications Earth & Environment, 2021, 2, .	6.8	56
6	First report on organochlorine pesticides in water in a highly productive agro-industrial basin of the Central Valley, Chile. Chemosphere, 2017, 174, 148-156.	8.2	41
7	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
8	Environmental Effects of Irrigation in Arid and Semi-Arid Regions. Chilean Journal of Agricultural Research, 0, 69, .	1.1	39
9	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
10	Reuse and Recycling of Livestock and Municipal Wastewater in Chilean Agriculture: A Preliminary Assessment. Water (Switzerland), 2018, 10, 817.	2.7	34
11	Spatial and Temporal Analysis of Rainfall Concentration Using the Gini Index and PCI. Water (Switzerland), 2018, 10, 112.	2.7	28
12	Identifiability analysis: towards constrained equifinality and reduced uncertainty in a conceptual model. Hydrological Sciences Journal, 2014, 59, 1690-1703.	2.6	27
13	Exploring soil databases: a self-organizing map approach. Soil Use and Management, 2015, 31, 121-131.	4.9	20
14	A low-cost IoT based environmental monitoring system. A citizen approach to pollution awareness. , 2017, , .		19
15	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
16	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
17	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
18	Water Variability and the Economic Impacts on Small-Scale Farmers. A Farm Risk-Based Integrated Modelling Approach. Water Resources Management, 2016, 30, 1357-1373.	3.9	15

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Comparison of Gridded and Measured Rainfall Data for Basin-scale Hydrological Studies. <i>Chilean Journal of Agricultural Research</i> , 2011, 71, 459-468.	1.1	11
22	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
23	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
24	Seasonal Crop Water Balance Using Harmonized Landsat-8 and Sentinel-2 Time Series Data. <i>Water (Switzerland)</i> , 2019, 11, 2236.	2.7	11
25	A methodology to identify representative configurations of sensors for monitoring soil moisture. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 6563-6574.	2.7	9
26	A simple method to identify areas of environmental risk due to manure application. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 3915-3928.	2.7	9
27	Watersheds are not static: Implications of climate variability and hydrologic dynamics in modeling. <i>Bosque</i> , 2013, 34, 3-4.	0.3	9
28	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
29	Simulation of Water-Use Efficiency of Crops under Different Irrigation Strategies. <i>Water (Switzerland)</i> , 2020, 12, 2930.	2.7	9
30	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
31	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
32	Where does the water go? Understanding geohydrological behaviour of Andean catchments in south-central Chile. <i>Hydrological Sciences Journal</i> , 0, , 1-12.	2.6	8
33	Multiperiod Optimisation of Irrigated Crops under Different Conditions of Water Availability. <i>Water (Switzerland)</i> , 2018, 10, 1434.	2.7	7
34	Understanding water disputes in Chile with text and data mining tools. <i>Water International</i> , 2019, 44, 302-320.	1.0	7
35	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. <i>Hydrology</i> , 2022, 9, 45.	3.0	7
36	Comparison of approaches to interpolating climate observations in steep terrain with low-density gauging networks. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4763-4781.	4.9	6

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37	Estimation of Yield Response Factor for Each Growth Stage under Local Conditions Using AquaCrop-OS. Water (Switzerland), 2020, 12, 1080.	2.7	6
38	Effect of drought on groundwater in a Chilean irrigated valley. Water Management, 2013, 166, 231-241.	1.2	5
39	Gridded data for a hydrological model in a scarce-data basin. Water Management, 2014, 167, 249-258.	1.2	5
40	Effect of water application on wine quality and yield in 'Carmenère' under the presence of a shallow water table in Central Chile. Chilean Journal of Agricultural Research, 2017, 77, 171-179.	1.1	5
41	Towards In-Channel Irrigation Water Disinfection Using Solar Photocatalysis. Applied Engineering in Agriculture, 2009, 25, 685-692.	0.7	4
42	Geography of legal water disputes in Chile. Journal of Maps, 2017, 13, 7-13.	2.0	4
43	A satellite-based ex post analysis of water management in a blueberry orchard. Computers and Electronics in Agriculture, 2020, 176, 105635.	7.7	3
44	Ex Post Analysis of Water Supply Demand in an Agricultural Basin by Multi-Source Data Integration. Remote Sensing, 2021, 13, 2022.	4.0	2
45	Circular Economy in a Water-Energy-Food Security Nexus Associate to an SDGs Framework: Understanding Complexities. , 2021, , 219-239.		2
46	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
47	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
48	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
49	Spatio-Temporal Patterns in Soil Water Content Time Series: Influence of the Time Series Length and Precipitation Events. , 2012, , .		0
50	Validation of Cryogenic Vacuum Extraction of Pore Water from Volcanic Soils for Isotopic Analysis. Water (Switzerland), 2019, 11, 2214.	2.7	0
51	The use of global gridded datasets in a hydrological model for a scarce-data Andean watershed. , 2011, , .		0
52	Environmental-Microbial Biotechnology Inside Mining Operations from an Engineering Viewpoint Based on LCA. Soil Biology, 2015, , 133-158.	0.8	0