

Jorge GironÃ;s

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

1,744
citations

257450

24
h-index

315739

38
g-index

89
all docs

89
docs citations

89
times ranked

2275
citing authors

#	ARTICLE	IF	CITATIONS
1	A new applications manual for the Storm Water Management Model (SWMM). <i>Environmental Modelling and Software</i> , 2010, 25, 813-814.	4.5	250
2	Water Footprint of Cities: A Review and Suggestions for Future Research. <i>Sustainability</i> , 2015, 7, 8461-8490.	3.2	85
3	An integrated analysis of the March 2015 Atacama floods. <i>Geophysical Research Letters</i> , 2016, 43, 8035-8043.	4.0	83
4	Potential of Particle Matter Dry Deposition on Green Roofs and Living Walls Vegetation for Mitigating Urban Atmospheric Pollution in Semiarid Climates. <i>Sustainability</i> , 2018, 10, 2431.	3.2	66
5	Evaluation of Methods for Representing Urban Terrain in Storm-Water Modeling. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010, 15, 1-14.	1.9	52
6	Influence of vegetation, substrate, and thermal insulation of an extensive vegetated roof on the thermal performance of retail stores in semiarid and marine climates. <i>Energy and Buildings</i> , 2017, 146, 312-321.	6.7	49
7	Assessing groundwater recharge in an Andean closed basin using isotopic characterization and a rainfall-runoff model: Salar del Huasco basin, Chile. <i>Hydrogeology Journal</i> , 2015, 23, 1535-1551.	2.1	48
8	Using the Weather Research and Forecasting (WRF) Model for Precipitation Forecasting in an Andean Region with Complex Topography. <i>Atmosphere</i> , 2018, 9, 304.	2.3	44
9	Effect of substrate depth and roof layers on green roof temperature and water requirements in a semi-arid climate. <i>Ecological Engineering</i> , 2016, 97, 624-632.	3.6	42
10	A morpho-climatic instantaneous unit hydrograph model for urban catchments based on the kinematic wave approximation. <i>Journal of Hydrology</i> , 2009, 377, 317-334.	5.4	41
11	Spatial estimation of daily precipitation in regions with complex relief and scarce data using terrain orientation. <i>Journal of Hydrology</i> , 2014, 517, 481-492.	5.4	41
12	Waterâ€“foodâ€“energy nexus in Chile: the challenges due to global change in different regional contexts. <i>Water International</i> , 2015, 40, 839-855.	1.0	38
13	Irrigation of green spaces and residential gardens in a Mediterranean metropolis: Gaps and opportunities for climate change adaptation. <i>Landscape and Urban Planning</i> , 2019, 182, 34-43.	7.5	38
14	Comparison of catchment and network delineation approaches in complex suburban environments: application to the Chaudanne catchment, France. <i>Hydrological Processes</i> , 2013, 27, 3747-3761.	2.6	35
15	A stochastic model of streamflow for urbanized basins. <i>Water Resources Research</i> , 2014, 50, 1984-2001.	4.2	33
16	Exploring possible connections between hydrological extreme events and climate change in central south Chile. <i>Hydrological Sciences Journal</i> , 2013, 58, 1598-1619.	2.6	30
17	Integrated Water Resource Management and Energy Requirements for Water Supply in the CopiapÃ³ River Basin, Chile. <i>Water (Switzerland)</i> , 2014, 6, 2590-2613.	2.7	28
18	Water security as a challenge for the sustainability of La Serena-Coquimbo conurbation in northern Chile: global perspectives and adaptation. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2016, 21, 1235-1246.	2.1	27

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19	Incorporating climate change adaptation strategies in urban water supply planning: the case of central Chile. <i>Journal of Water and Climate Change</i> , 2014, 5, 357-376.	2.9	26
20	A GIS-based urban and peri-urban landscape representation toolbox for hydrological distributed modeling. <i>Environmental Modelling and Software</i> , 2017, 91, 168-185.	4.5	26
21	Using a Hydrological Model to Simulate the Performance and Estimate the Runoff Coefficient of Green Roofs in Semiarid Climates. <i>Water (Switzerland)</i> , 2018, 10, 198.	2.7	26
22	Assessment of evaporation and water fluxes in a column of dry saline soil subject to different water table levels. <i>Hydrological Processes</i> , 2014, 28, 3655-3669.	2.6	25
23	Experimental Study of the Thermal Performance of Living Walls Under Semiarid Climatic Conditions. <i>Energy Procedia</i> , 2015, 78, 3416-3421.	1.8	25
24	Scientists, Policymakers, and Stakeholders Plan for Climate Change: A Promising Approach in Chile's Maipo Basin. <i>Environment</i> , 2016, 58, 24-37.	1.4	25
25	Integrating strategic land use planning in the construction of future land use scenarios and its performance: The Maipo River Basin, Chile. <i>Land Use Policy</i> , 2018, 78, 353-366.	5.6	24
26	Porous Media Characterization to Simulate Water and Heat Transport through Green Roof Substrates. <i>Vadose Zone Journal</i> , 2017, 16, 1-14.	2.2	23
27	Drought Propagation in Semi-Arid River Basins in Latin America: Lessons from Mexico to the Southern Cone. <i>Water (Switzerland)</i> , 2018, 10, 1564.	2.7	23
28	Influence of Plant and Substrate Characteristics of Vegetated Roofs on a Supermarket Energy Performance Located in a Semiarid Climate. <i>Energy Procedia</i> , 2015, 78, 1171-1176.	1.8	22
29	Understanding the preferences for different types of urban greywater uses and the impact of qualitative attributes. <i>Water Research</i> , 2020, 184, 116007.	11.3	22
30	The geomorphometry of endorheic drainage basins: implications for interpreting and modelling their evolution. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1881-1896.	2.5	21
31	Experimental Analysis and Modeling of a Stormwater Perlite Filter. <i>Water Environment Research</i> , 2008, 80, 524-539.	2.7	20
32	Anthropogenic controls from urban growth on flow regimes. <i>Advances in Water Resources</i> , 2015, 84, 125-135.	3.8	18
33	Planform geometry and relief characterization of drainage networks in high-relief environments: An analysis of Chilean Andean basins. <i>Geomorphology</i> , 2019, 341, 46-64.	2.6	17
34	Experiences of voluntary early participation in Environmental Impact Assessments in Chilean mining. <i>Environmental Impact Assessment Review</i> , 2019, 74, 43-53.	9.2	17
35	Impact of the Properties of a Green Roof Substrate on its Hydraulic and Thermal Behavior. <i>Energy Procedia</i> , 2015, 78, 1177-1182.	1.8	16
36	A model for simulating the performance and irrigation of green stormwater facilities at residential scales in semiarid and Mediterranean regions. <i>Environmental Modelling and Software</i> , 2017, 95, 246-257.	4.5	16

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37	Assessing Reservoir Performance under Climate Change. When Is It Going to Be Too Late If Current Water Management Is Not Changed?. <i>Water (Switzerland)</i> , 2021, 13, 64.	2.7	16
38	Effect of urbanization on the long-term persistence of streamflow records. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 447, 208-221.	2.6	15
39	Computer-assisted mesh generation based on hydrological response units for distributed hydrological modeling. <i>Computers and Geosciences</i> , 2013, 57, 32-43.	4.2	14
40	Modelling evaporation processes in soils from the Huasco salt flat basin, Chile. <i>Hydrological Processes</i> , 2016, 30, 4704-4719.	2.6	14
41	Impact of Urban Growth and High Residential Irrigation on Streamflow and Groundwater Levels in a Peri-Urban Semiarid Catchment. <i>Journal of the American Water Resources Association</i> , 2019, 55, 720-739.	2.4	14
42	Assessing the impact of travel time formulations on the performance of spatially distributed travel time methods applied to hillslopes. <i>Journal of Hydrology</i> , 2014, 519, 1315-1327.	5.4	13
43	A Dynamic, Multivariate Sustainability Measure for Robust Analysis of Water Management under Climate and Demand Uncertainty in an Arid Environment. <i>Water (Switzerland)</i> , 2015, 7, 5928-5958.	2.7	13
44	Daily Freeze-Thaw Cycles Affect the Transport of Metals in Streams Affected by Acid Drainage. <i>Water (Switzerland)</i> , 2016, 8, 74.	2.7	13
45	Using a Statistical Preanalysis Approach as an Ensemble Technique for the Unbiased Mapping of GCM Changes to Local Stations. <i>Journal of Hydrometeorology</i> , 2018, 19, 1447-1465.	1.9	13
46	Observed trends and relationships between ENSO and standardized hydrometeorological drought indices in central Chile. <i>Hydrological Processes</i> , 2020, 34, 159-174.	2.6	13
47	Global sensitivity analysis of hydrologic processes in major snow-dominated mountainous river basins in Colorado. <i>Hydrological Processes</i> , 2014, 28, 3404-3418.	2.6	12
48	Estimating the Local Time of Emergence of Climatic Variables Using an Unbiased Mapping of GCMs: An Application in Semiarid and Mediterranean Chile. <i>Journal of Hydrometeorology</i> , 2019, 20, 1635-1647.	1.9	12
49	Vulnerability of water systems: a comprehensive framework for its assessment and identification of adaptation strategies. <i>Desalination and Water Treatment</i> , 2016, 57, 2243-2255.	1.0	11
50	From Multi-Risk Evaluation to Resilience Planning: The Case of Central Chilean Coastal Cities. <i>Water (Switzerland)</i> , 2019, 11, 572.	2.7	11
51	Daily and seasonal variation of the surface temperature lapse rate and 0°C isotherm height in the western subtropical Andes. <i>International Journal of Climatology</i> , 2021, 41, E980.	3.5	11
52	Using hybrid choice models to capture the impact of attitudes on residential greywater reuse preferences. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105171.	10.8	11
53	Forecasting flood hazards in real time: a surrogate model for hydrometeorological events in an Andean watershed. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 3261-3277.	3.6	11
54	Multisite Assessment of Hydrologic Processes in Snow-Dominated Mountainous River Basins in Colorado Using a Watershed Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	1.9	10

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55	Groundwater Contribution to Sewer Network Baseflow in an Urban Catchment-Case Study of Pin Sec Catchment, Nantes, France. <i>Water (Switzerland)</i> , 2020, 12, 689.	2.7	10
56	Cooling potential of greenery systems for a stand-alone retail building under semiarid and humid subtropical climates. <i>Energy and Buildings</i> , 2022, 259, 111897.	6.7	10
57	Spatial characterization of catchment dispersion mechanisms in an urban context. <i>Advances in Water Resources</i> , 2014, 74, 290-301.	3.8	8
58	Improving Stochastic Modelling of Daily Rainfall Using the ENSO Index: Model Development and Application in Chile. <i>Water (Switzerland)</i> , 2018, 10, 145.	2.7	8
59	Hydrological Functioning of an Evolving Urban Stormwater Network. <i>Water Resources Research</i> , 2019, 55, 6517-6533.	4.2	8
60	Meteorological Characterization of Large Daily Flows in a High-Relief Ungauged Basin Using Principal Component Analysis. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	1.9	6
61	On the Influence of Upstream Flow Contributions on the Basin Response Function for Hydrograph Prediction. <i>Water Resources Research</i> , 2019, 55, 4915-4935.	4.2	6
62	Spatio-temporal estimation of climatic variables for gap filling and record extension using Reanalysis data. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1089-1104.	2.8	6
63	From mathematical models to policy design: Predicting greywater reuse scheme effectiveness and water reclamation benefits based on individualsâ€™ preferences. <i>Sustainable Cities and Society</i> , 2021, 74, 103132.	10.4	5
64	Modeling changes to the hydrodynamic characteristics of agglomerated copper tailings. <i>Hydrometallurgy</i> , 2011, 109, 175-180.	4.3	4
65	Seasonal hydroclimatic ensemble forecasts anticipate nutrient and suspended sediment loads using a dynamical-statistical approach. <i>Environmental Research Letters</i> , 2019, 14, 084016.	5.2	4
66	Creating an enabling environment for WR&R implementation. <i>Water Science and Technology</i> , 2017, 76, 1555-1564.	2.5	3
67	A rule-based approach for preventive identification of potential conflictive criteria in mining operations in Chile. <i>Journal of Cleaner Production</i> , 2018, 184, 559-568.	9.3	3
68	Impacts of Channel Network Type on the Unit Hydrograph. <i>Water (Switzerland)</i> , 2020, 12, 669.	2.7	3
69	Capturing and analysing heterogeneity in residential greywater reuse preferences using a latent class model. <i>Journal of Environmental Management</i> , 2021, 279, 111673.	7.8	3
70	Decomposition of 2D polygons and its effect in hydrological models. <i>Journal of Hydroinformatics</i> , 2019, 21, 104-122.	2.4	2
71	Precipitation, Temperature and Evaporation. <i>World Water Resources</i> , 2021, , 31-60.	0.4	2
72	Advanced numerical models for the propagation of floods with high-sediment concentrations in mountain rivers. <i>E3S Web of Conferences</i> , 2018, 40, 06039.	0.5	1

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73	Floods. World Water Resources, 2021, , 153-171.	0.4	1
74	Country Profile. World Water Resources, 2021, , 1-5.	0.4	1
75	Experimental Analysis and Modeling of a Stormwater Perlite Filter. , 2006, , 1.		0
76	Improvement of the EXTRAN Block in Storm Water Management Model (SWMM4.4h). , 2006, , .		0
77	Morphologic Approach in Studying Urbanized and Suburbanizing Watersheds. , 2007, , 1.		0
78	River Mouths and Coastal Lagoons in Central Chile. , 2017, , 15-46.		0
79	Impacts of Urbanization and Land Use Change over Water Resources. World Water Resources, 2021, , 365-387.	0.4	0
80	Multivariate Standardized Drought Indices to Identify Drought Events: Application in the Maipo River Basin. , 2021, , 141-160.		0
81	Challenges for the Future. World Water Resources, 2021, , 409-433.	0.4	0
82	A Spatial Analysis of Dispersion Mechanisms in the Hydrological Response Using a Spatially Distributed Travel Time Model. Water Resources Research, 2022, 58, .	4.2	0
83	Impactos y Adaptaci3n en Infraestructura. , 1905, , 375-404.		0