Alfonso Fernandez

List of Publications by Year
in descending order

35 papers	1,287 citations	687363 13 h-index	454955 30 g-index
46 all docs	46 docs citations	46 times ranked	1887 citing authors

#	Article	IF	Citations
1	Importance and vulnerability of the world's water towers. Nature, 2020, 577, 364-369.	27.8	885
2	Modeling modern glacier response to climate changes along the <scp>A</scp>ndes <scp>C</scp>ordillera: A multiscale review. Journal of Advances in Modeling Earth Systems, 2016, 8, 467-495.	3.8	36
3	Social-ecological feedbacks lead to unsustainable lock-in in an inland fishery. Global Environmental Change, 2016, 41, 13-25.	7.8	31
4	Testing the skill of numerical hydraulic modeling to simulate spatiotemporal flooding patterns in the Logone floodplain, Cameroon. Journal of Hydrology, 2016, 539, 265-280.	5.4	30
5	The First Millennium-Age<i>Araucaria Araucana</i>in Patagonia. Tree-Ring Research, 2017, 73, 53-56.	0.6	27
6	Dendrohydrology and water resources management in south-central Chile: lessons from the Río Imperial streamflow reconstruction. Hydrology and Earth System Sciences, 2018, 22, 2921-2935.	4.9	24
7	Comparison between observations and gridded data sets over complex terrain in the Chilean Andes: Precipitation and temperature. International Journal of Climatology, 2020, 40, 5266-5288.	3.5	23
8	Cambios en el relieve generados como consecuencia del terremoto Mw = 8,8 del 27 de febrero de 2010 en el centro-sur de Chile. Revista De Geografia Norte Grande, 2012, , 35-55.	0.2	20
9	Impact of different microphysical parameterizations on extreme snowfall events in the Southern Andes. Weather and Climate Extremes, 2018, 21, 65-75.	4.1	19
10	Extreme rainfall event in the Northeast coast of Brazil: a numerical sensitivity study. Meteorology and Atmospheric Physics, 2021, 133, 141-162.	2.0	17
11	Trace-metal contamination in the glacierized Rio Santa watershed, Peru. Environmental Monitoring and Assessment, 2017, 189, 649.	2.7	16
12	Studying the Logone floodplain, Cameroon, as a coupled human and natural system. African Journal of Aquatic Science, 2016, 41, 99-108.	1.1	15
13	The Evolution of the Bío Bío Delta and the Coastal Plains of the Arauco Gulf, Bío Bío Region: the Holocene Sea-Level Curve of Chile. Journal of Coastal Research, 2012, 279, 102-111.	0.3	14
14	Glaciers as water resources. , 2015, , 184-203.		13
15	The significance of mountain glaciers as sentinels of climate and environmental change. Geography Compass, 2017, 11, e12318.	2.7	13
16	Disappearance of the last tropical glaciers in the Western Pacific Warm Pool (Papua, Indonesia) appears imminent. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26382-26388.	7.1	13
17	WRF High Resolution Dynamical Downscaling of Precipitation for the Central Andes of Chile and Argentina. Frontiers in Earth Science, 2020, 8, .	1.8	13
18	Small-scale anthropogenic changes impact floodplain hydraulics: Simulating the effects of fish canals on the Logone floodplain. Journal of Hydrology, 2020, 588, 125035.	5.4	12

#	Article	IF	Citations
19	Unexpected coseismic surface uplift at TirÃºa-Mocha Island area of south Chile before and during the Mw 8.8 Maule 2010 earthquake: a possible upper plate splay fault. Andean Geology, 2020, 47, 295.	0.5	8
20	Earth Science Is Ready for Preprints. Eos, 2019, 100, .	0.1	7
21	Coâ€producing research in the â€œRed Zoneâ€: Adaptation to fieldwork constraints with a transdisciplinary approach. Geographical Journal, 2018, 184, 369-383.	3.1	6
22	Validation of a 9-km WRF dynamical downscaling of temperature and precipitation for the period 1980â€"2005 over Central South Chile. Theoretical and Applied Climatology, 2021, 143, 361-378.	2.8	6
23	Data-based wildfire risk model for Mediterranean ecosystems â€" case study of the ConcepciÃ³n metropolitan area in central Chile. Natural Hazards and Earth System Sciences, 2021, 21, 3663-3678.	3.6	6
24	Inventory and geometrical changes in small glaciers covering three Northern Patagonian summits using remote sensing and GIS techniques. Journal of Mountain Science, 2010, 7, 26-35.	2.0	5
25	Trends and spatial patterns of 20th century temperature, rainfall and PET in the semi-arid Logone River basin, Sub-Saharan Africa. Journal of Arid Environments, 2020, 178, 104168.	2.4	5
26	The benefits to climate science of including early-career scientists as reviewers. Geoscience Communication, 2020, 3, 89-97.	0.9	5
27	The Evolution of the BÃo BÃo Delta and the Coastal Plains of the Arauco Gulf, BÃo BÃo Region: the Holocene Sea-Level Curve of Chile*. Journal of Coastal Research, 2012, 280, 517-526.	0.3	4
28	Incorporating Autonomous Sensors and Climate Modeling to Gain Insight into Seasonal Hydrometeorological Processes within a Tropical Glacierized Valley. Annals of the American Association of Geographers, 2017, 107, 260-273.	2.2	3
29	The Glacial Waterscape: Glaciers and Their Unique Geomorphological Connection to Society. , 2021, , 281-281.		2
30	Chlorine-36 Surface Exposure Dating of Late Holocene Moraines and Glacial Mass Balance Modeling, Monte Sierra Nevada, South-Central Chilean Andes (38ÂºS). Frontiers in Earth Science, 0, 10, .	1.8	2
31	Comment to â€œNature and tectonic significance of co-seismic structures associated with the Mw 8,8 Maule earthquake, central-southern Chile forearcâ€ from. Journal of Structural Geology, 2012, 37, 253-255.	2.3	1
32	Caudales y variabilidad climÃ¡tica en una cuenca de latitudes medias en SudamÃ©rica: rÃo Aconcagua, Chile Central (33ÂºS). Boletin De La Asociacion De Geografos Espanoles, 2012, , .	0.3	1
33	ASSESSING THE DENDROCLIMATOLOGICAL POTENTIAL OF POLYLEPIS RODOLFO-VASQUEZII IN THE PERUVIAN ANDES. , 2018, , .		0
34	Efectos del otorgamiento de derechos de agua en la disponibilidad de recursos hÃdricos en la cuenca del rÃo Ã‘uble, Chile Centro Sur. Tecnologia Y Ciencias Del Agua, 2020, 11, 225-273.	0.3	0
35	Revisiting glacier mass-balance sensitivity to surface air temperature using a data-driven regionalization. Journal of Glaciology, 0, , 1-20.	2.2	0