

Yamina Silva

List of Publications by Year in descending order

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38
papers

894
citations

516561

16
h-index

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26
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43
all docs

43
docs citations

43
times ranked

905
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of CMIP6 Performance and Projected Temperature and Precipitation Changes Over South America. <i>Earth Systems and Environment</i> , 2021, 5, 155-183.	3.0	103
2	El Niño related precipitation variability in Peru. <i>Advances in Geosciences</i> , 0, 14, 231-237.	12.0	81
3	Sensitivity studies of the RegCM3 simulation of summer precipitation, temperature and local wind field in the Caribbean Region. <i>Theoretical and Applied Climatology</i> , 2006, 86, 5-22.	1.3	52
4	Revisiting wintertime cold air intrusions at the east of the Andes: propagating features from subtropical Argentina to Peruvian Amazon and relationship with large-scale circulation patterns. <i>Climate Dynamics</i> , 2013, 41, 1983-2002.	1.7	47
5	A framework for the science contribution in climate adaptation: Experiences from science-policy processes in the Andes. <i>Environmental Science and Policy</i> , 2015, 47, 80-94.	2.4	45
6	Teleconnections between the Peruvian Central Andes and Northeast Brazil during Extreme Rainfall Events in Austral Summer. <i>Journal of Hydrometeorology</i> , 2016, 17, 499-515.	0.7	44
7	Spatial analysis and temporal trends of daily precipitation concentration in the Mantaro River basin: central Andes of Peru. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 1305-1318.	1.9	43
8	Groundwater Buffers Decreasing Glacier Melt in an Andean Watershed But Not Forever. <i>Geophysical Research Letters</i> , 2019, 46, 13016-13026.	1.5	41
9	Dry and wet rainy seasons in the Mantaro river basin (Central Peruvian Andes). <i>Advances in Geosciences</i> , 0, 14, 261-264.	12.0	38
10	Impacts of topography and land use changes on the air surface temperature and precipitation over the central Peruvian Andes. <i>Atmospheric Research</i> , 2020, 234, 104711.	1.8	37
11	Extreme Rainfall Forecast with the WRF-ARW Model in the Central Andes of Peru. <i>Atmosphere</i> , 2018, 9, 362.	1.0	34
12	Effect of the surface wind flow and topography on precipitating cloud systems over the Andes and associated Amazon basin: GPM observations. <i>Atmospheric Research</i> , 2019, 225, 193-208.	1.8	31
13	Response of the WRF model to different resolutions in the rainfall forecast over the complex Peruvian orography. <i>Theoretical and Applied Climatology</i> , 2019, 137, 2993-3007.	1.3	30
14	Sensitivity Study on the Influence of Parameterization Schemes in WRF_ARW Model on Short- and Medium-Range Precipitation Forecasts in the Central Andes of Peru. <i>Advances in Meteorology</i> , 2018, 1-16.	0.6	27
15	The Impact of Microphysics Parameterization in the Simulation of Two Convective Rainfall Events over the Central Andes of Peru Using WRF-ARW. <i>Atmosphere</i> , 2019, 10, 442.	1.0	23
16	Rainfall Characteristics in the Mantaro Basin over Tropical Andes from a Vertically Pointed Profile Rain Radar and In-Situ Field Campaign. <i>Atmosphere</i> , 2020, 11, 248.	1.0	21
17	Influence of PBL parameterization schemes in WRF_ARW model on short - range precipitation's forecasts in the complex orography of Peruvian Central Andes. <i>Atmospheric Research</i> , 2020, 233, 104708.	1.8	20
18	Change of the Rainfall Seasonality Over Central Peruvian Andes: Onset, End, Duration and Its Relationship With Large-Scale Atmospheric Circulation. <i>Climate</i> , 2020, 8, 23.	1.2	18

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19	Seasonal and Regional Differences in Extreme Rainfall Events and Their Contribution to the World's Precipitation: GPM Observations. <i>Advances in Meteorology</i> , 2019, 2019, 1-15.	0.6	17
20	A multi-institutional and interdisciplinary approach to the assessment of vulnerability and adaptation to climate change in the Peruvian Central Andes: problems and prospects. <i>Advances in Geosciences</i> , 0, 14, 257-260.	12.0	16
21	Vertical characteristics of radar reflectivity and DSD parameters in intense convective clouds over South East South Asia during the Indian Summer monsoon: GPM observations. <i>International Journal of Remote Sensing</i> , 2019, 40, 9604-9628.	1.3	12
22	Seasonal and Diurnal Cycles of Surface Boundary Layer and Energy Balance in the Central Andes of Peru, Mantaro Valley. <i>Atmosphere</i> , 2019, 10, 779.	1.0	11
23	Diurnal Cycle of Raindrops Size Distribution in a Valley of the Peruvian Central Andes. <i>Atmosphere</i> , 2020, 11, 38.	1.0	11
24	Distribution of hydrometeors in monsoonal clouds over the South American continent during the austral summer monsoon: GPM observations. <i>International Journal of Remote Sensing</i> , 2020, 41, 3677-3707.	1.3	11
25	First two and a half years of aerosol measurements with an AERONET sunphotometer at the Huancayo Observatory, Peru. <i>Atmospheric Environment: X</i> , 2019, 3, 100037.	0.8	10
26	On the dynamic mechanisms of intense rainfall events in the central Andes of Peru, Mantaro valley. <i>Atmospheric Research</i> , 2021, 248, 105188.	1.8	10
27	Precipitation structure during various phases the life cycle of precipitating cloud systems using geostationary satellite and space-based precipitation radar over Peru. <i>GIScience and Remote Sensing</i> , 2020, 57, 1057-1082.	2.4	9
28	Effect of low-level flow and Andes mountain on the tropical and mid-latitude precipitating cloud systems: GPM observations. <i>Theoretical and Applied Climatology</i> , 2020, 141, 157-172.	1.3	9
29	High-Elevation Monsoon Precipitation Processes in the Central Andes of Peru. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032947.	1.2	7
30	Evaluation of GPM Dual-Frequency Precipitation Radar Algorithms to Estimate Drop Size Distribution Parameters, Using Ground-Based Measurement over the Central Andes of Peru. <i>Earth Systems and Environment</i> , 2021, 5, 597-619.	3.0	6
31	Climatology of extreme cold events in the central Peruvian Andes during austral summer: origin, types and teleconnections. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 2693-2714.	1.0	5
32	Multi-Instrument Rainfall-Rate Estimation in the Peruvian Central Andes. <i>Journal of Atmospheric and Oceanic Technology</i> , 2020, 37, 1811-1826.	0.5	5
33	Dataset on raindrop size distribution, raindrop fall velocity and precipitation data measured by disdrometers and rain gauges over Peruvian central Andes (12.0°S). <i>Data in Brief</i> , 2020, 29, 105215.	0.5	4
34	Analysis of Extreme Meteorological Events in the Central Andes of Peru Using a Set of Specialized Instruments. <i>Atmosphere</i> , 2021, 12, 408.	1.0	4
35	Statistical characterization of vertical meteorological profiles obtained with the WRF-ARW model on the central Andes of Peru and its relationship with the occurrence of precipitation on the region. <i>Atmospheric Research</i> , 2020, 239, 104915.	1.8	3
36	The GPM-DPR blind zone effect on satellite-based radar estimation of precipitation over the Andes from a ground based Ka-band profiler perspective. <i>Journal of Applied Meteorology and Climatology</i> , 2022, , .	0.6	3

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37	Dataset on the first weather radar campaign over Lima, Peru. Data in Brief, 2021, 35, 106937.	0.5	1
38	Field Campaign Evaluation of Sensors Lufft GMX500 and MaxiMet WS100 in Peruvian Central Andes. Sensors, 2022, 22, 3219.	2.1	1