

Matilde M Rusticucci

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

7,996
citations

201674
27
h-index

214800
47
g-index

51
all docs

51
docs citations

51
times ranked

8913
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal forecast of the percentage of days with extreme temperatures in central-northern Argentina: An operational statistical approach. <i>Climate Services</i> , 2022, 26, 100293.	2.5	3
2	Evaluation of CMIP6 models in the representation of observed extreme temperature indices trends in South America. <i>Climatic Change</i> , 2022, 172, .	3.6	10
3	Climate and Health in Buenos Aires: A Review on Climate Impact on Human Health Studies Between 1995 and 2015. <i>Frontiers in Environmental Science</i> , 2021, 8, .	3.3	6
4	Attribution and projections of temperature extreme trends in South America based on CMIP5 models. <i>Annals of the New York Academy of Sciences</i> , 2021, 1504, 154-166.	3.8	12
5	Atmospheric circulation influence on temperature and precipitation individual and compound daily extreme events: Spatial variability and trends over southern South America. <i>Weather and Climate Extremes</i> , 2020, 29, 100267.	4.1	43
6	Summer seasonal predictability of warm days in Argentina: statistical model approach. <i>Theoretical and Applied Climatology</i> , 2019, 138, 1853-1876.	2.8	12
7	Variability and predictability of winter cold nights in Argentina. <i>Weather and Climate Extremes</i> , 2019, 26, 100236.	4.1	10
8	Precipitation From Persistent Extremes is Increasing in Most Regions and Globally. <i>Geophysical Research Letters</i> , 2019, 46, 6041-6049.	4.0	79
9	Regional climate of the Subtropical Central Andes using high-resolution CMIP5 models. Part II: future projections for the twenty-first century. <i>Climate Dynamics</i> , 2018, 51, 2913-2925.	3.8	22
10	Long-lasting floods buffer the thermal regime of the Pampas. <i>Theoretical and Applied Climatology</i> , 2018, 131, 111-120.	2.8	14
11	Capability of the SMHI-ERA4 RCM driven by the ERA-Interim reanalysis to simulate heat waves in Argentina. <i>International Journal of Climatology</i> , 2018, 38, 483-496.	3.5	6
12	Regional climate of the subtropical central Andes using high-resolution CMIP5 models” part I: past performance (1980–2005). <i>Climate Dynamics</i> , 2017, 49, 3937-3957.	3.8	28
13	Spatio-temporal mapping of glacier fluctuations in the subtropical Central Andes: Case studies of Alto Del Plomo and Volcan Maipo. <i>Remote Sensing Applications: Society and Environment</i> , 2017, 8, 140-147.	1.5	1
14	Temperature extremes in the Argentina central region and their monthly relationship with the mean circulation and ENSO phases. <i>International Journal of Climatology</i> , 2017, 37, 3003-3017.	3.5	40
15	Long-term variability of heat waves in Argentina and recurrence probability of the severe 2008 heat wave in Buenos Aires. <i>Theoretical and Applied Climatology</i> , 2016, 124, 679-689.	2.8	45
16	Extreme events in the La Plata basin: a retrospective analysis of what we have learned during CLARIS-LPB project. <i>Climate Research</i> , 2016, 68, 95-116.	1.1	36
17	Compound temperature and precipitation extreme events in southern South America: associated atmospheric circulation, and simulations by a multi-RCM ensemble. <i>Climate Research</i> , 2016, 68, 183-199.	1.1	27
18	Climate change in Argentina: trends, projections, impacts and adaptation. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2015, 6, 151-169.	8.1	204

#	ARTICLE	IF	CITATIONS
19	The international surface temperature initiative global land surface databank: monthly temperature data release description and methods. <i>Geoscience Data Journal</i> , 2014, 1, 75-102.	4.4	101
20	Observations: Atmosphere and Surface. , 2014, , 159-254.		350
21	Regional winter climate of the southern central Andes: Assessing the performance of ERA-Interim for climate studies. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 8568-8582.	3.3	26
22	Construction of a daily precipitation grid for southeastern South America for the period 1961–2000. <i>International Journal of Climatology</i> , 2013, 33, 2508-2519.	3.5	14
23	Updated analyses of temperature and precipitation extreme indices since the beginning of the twentieth century: The HadEX2 dataset. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2098-2118.	3.3	1,029
24	The international surface temperature initiative. , 2013, , .		1
25	The international surface temperature initiative's global land surface databank. , 2013, , .		0
26	Changes in Climate Extremes and their Impacts on the Natural Physical Environment. , 2012, , 109-230.		1,080
27	Performance of a multi-RCM ensemble for South Eastern South America. <i>Climate Dynamics</i> , 2012, 39, 2747-2768.	3.8	52
28	Observed and simulated variability of extreme temperature events over South America. <i>Atmospheric Research</i> , 2012, 106, 1-17.	4.1	63
29	Multidecadal changes in the relationship between extreme temperature events in Uruguay and the general atmospheric circulation. <i>Climate Dynamics</i> , 2011, 37, 2471-2480.	3.8	24
30	A Southeastern South American Daily Gridded Dataset of Observed Surface Minimum and Maximum Temperature for 1961–2000. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 1339-1346.	3.3	22
31	A Europe–South America network for climate change assessment and impact studies. <i>Climatic Change</i> , 2010, 98, 307-329.	3.6	35
32	An intercomparison of model-simulated in extreme rainfall and temperature events during the last half of the twentieth century. Part 1: mean values and variability. <i>Climatic Change</i> , 2010, 98, 493-508.	3.6	44
33	An intercomparison of observed and simulated extreme rainfall and temperature events during the last half of the twentieth century: part 2: historical trends. <i>Climatic Change</i> , 2010, 98, 509-529.	3.6	108
34	Changes in Climate at High Southern Latitudes: A Unique Daily Record at Orcadas Spanning 1903–2008. <i>Journal of Climate</i> , 2010, 23, 189-196.	3.2	33
35	Variability and trends in indices of quality-controlled daily temperature extremes in Uruguay. <i>International Journal of Climatology</i> , 2008, 28, 1083-1095.	3.5	41
36	Temperature extremes in the south of South America in relation to Atlantic Ocean surface temperature and Southern Hemisphere circulation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	29

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37	Observed Changes in Return Values of Annual Temperature Extremes over Argentina. Journal of Climate, 2008, 21, 5455-5467.	3.2	30
38	Dry conditions over Argentina and the related monthly circulation patterns. Meteorology and Atmospheric Physics, 2007, 98, 99-114.	2.0	19
39	Trends in Total and Extreme South American Rainfall in 1960â€“2000 and Links with Sea Surface Temperature. Journal of Climate, 2006, 19, 1490-1512.	3.2	535
40	Global observed changes in daily climate extremes of temperature and precipitation. Journal of Geophysical Research, 2006, 111, .	3.3	2,884
41	Observed precipitation in the Parani-1/2-Plata hydrological basin: long-term trends, extreme conditions and ENSO teleconnections. Climate Dynamics, 2005, 24, 393-413.	3.8	96
42	Observed Trends in Indices of Daily Temperature Extremes in South America 1960â€“2000. Journal of Climate, 2005, 18, 5011-5023.	3.2	374
43	Observed Trends and Changes in Temperature Extremes over Argentina. Journal of Climate, 2004, 17, 4099-4107.	3.2	123
44	Warm and cold events in Argentina and their relationship with South Atlantic and South Pacific Sea surface temperatures. Journal of Geophysical Research, 2003, 108, .	3.3	21
45	A Comparative Study of Maximum and Minimum Temperatures over Argentina: NCEPâ€“NCAR Reanalysis versus Station Data. Journal of Climate, 2002, 15, 2089-2101.	3.2	39
46	Cold and warm events over Argentina and their relationship with the ENSO phases: Risk evaluation analysis. International Journal of Climatology, 2002, 22, 467-483.	3.5	48
47	Association between weather conditions and the number of patients at the emergency room in an Argentine hospital. International Journal of Biometeorology, 2002, 46, 42-51.	3.0	50
48	Interdecadal changes in the precipitation seasonal cycle over Southern South America and their relationship with surface temperature. Climate Research, 2000, 16, 1-15.	1.1	66
49	Synoptic analysis of an extreme heat wave over Argentina in March 1980. Meteorological Applications, 1998, 5, 217-226.	2.1	22
50	Seasonal and diurnal patterns of dry- and wet-bulb temperatures over Argentina. International Journal of Climatology, 1995, 15, 1273-1282.	3.5	6
51	Synoptic situations related to spells of extreme temperatures over Argentina. Meteorological Applications, 1995, 2, 291-300.	2.1	33