

Mary Kayano

List of Publications by Year in descending order

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68
papers

1,802
citations

279701

23
h-index

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39
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all docs

68
docs citations

68
times ranked

1922
citing authors

#	ARTICLE	IF	CITATIONS
1	ENSO-related rainfall anomalies in South America and associated circulation features during warm and cold Pacific decadal oscillation regimes. <i>International Journal of Climatology</i> , 2005, 25, 2017-2030.	1.5	180
2	Principal Modes of Outgoing Longwave Radiation and 250-mb Circulation for the South American Sector. <i>Journal of Climate</i> , 1994, 7, 1131-1143.	1.2	114
3	How the Atlantic multidecadal oscillation (AMO) modifies the ENSO influence on the South American rainfall. <i>International Journal of Climatology</i> , 2014, 34, 162-178.	1.5	112
4	Relations of South American summer rainfall interannual variations with the Pacific Decadal Oscillation. <i>International Journal of Climatology</i> , 2007, 27, 531-540.	1.5	105
5	Trends of seasonal maximum and minimum temperatures and precipitation in Southern Brazil for the 1913-2006 period. <i>Theoretical and Applied Climatology</i> , 2010, 101, 209-216.	1.3	73
6	The influence of different El Niño types on the South American rainfall. <i>International Journal of Climatology</i> , 2017, 37, 1374-1390.	1.5	68
7	Tropical circulations and the associated rainfall anomalies during two contrasting years. <i>Journal of Climatology</i> , 1988, 8, 477-488.	0.8	67
8	Relationships between rainfall anomalies over northeastern Brazil and the El Niño-Southern Oscillation. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	64
9	Interaction between Coastal Upwelling and Local Winds at Cabo Frio, Brazil: An Observational Study. <i>Journal of Applied Meteorology and Climatology</i> , 2008, 47, 1590-1598.	0.6	56
10	A importância relativa do atlântico tropical sul e pacífico leste na variabilidade de precipitação do Nordeste do Brasil. <i>Revista Brasileira De Meteorologia</i> , 2007, 22, 63-74.	0.2	54
11	Relations between ENSO and the South Atlantic SST modes and their effects on the South American rainfall. <i>International Journal of Climatology</i> , 2013, 33, 2008-2023.	1.5	52
12	Interannual relations between South American rainfall and tropical sea surface temperature anomalies before and after 1976. <i>International Journal of Climatology</i> , 2009, 29, 1439-1448.	1.5	50
13	Tropical Pacific and South Atlantic effects on rainfall variability over Northeast Brazil. <i>International Journal of Climatology</i> , 2006, 26, 1895-1912.	1.5	40
14	El Niño-Southern Oscillation related teleconnections over South America under distinct Atlantic Multidecadal Oscillation and Pacific Interdecadal Oscillation backgrounds: La Niña. <i>International Journal of Climatology</i> , 2019, 39, 1359-1372.	1.5	39
15	Seasonal anomalous rainfall in the central and eastern Amazon and associated anomalous oceanic and atmospheric patterns. <i>International Journal of Climatology</i> , 2012, 32, 1193-1205.	1.5	37
16	Multi-scale variability of the sea surface temperature in the Tropical Atlantic. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	36
17	Recent intensification of extreme precipitation events in the La Plata Basin in Southern South America (1981-2018). <i>Atmospheric Research</i> , 2021, 249, 105299.	1.8	34
18	Evolving anomalous SST patterns leading to ENSO extremes: relations between the tropical Pacific and Atlantic Oceans and the influence on the South American rainfall. <i>International Journal of Climatology</i> , 2011, 31, 1119-1134.	1.5	33

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19	Decadal variability of northern northeast Brazil rainfall and its relation to tropical sea surface temperature and global sea level pressure anomalies. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	32
20	A further analysis of the tropical Atlantic <sc>SST</sc> modes and their relations to north-eastern Brazil rainfall during different phases of Atlantic Multidecadal Oscillation. <i>International Journal of Climatology</i> , 2016, 36, 4006-4018.	1.5	30
21	Interannual to decadal variations of precipitation and daily maximum and daily minimum temperatures in southern Brazil. <i>Theoretical and Applied Climatology</i> , 2009, 97, 81-90.	1.3	29
22	Pacific and Atlantic multidecadal variability relations to the El Niño events and their effects on the South American rainfall. <i>International Journal of Climatology</i> , 2020, 40, 2183-2200.	1.5	29
23	Determination of the onset dates of the rainy season in central Amazon with equatorially antisymmetric outgoing longwave radiation. <i>Theoretical and Applied Climatology</i> , 2009, 97, 361-372.	1.3	28
24	A influência do evento El Niño - Oscilação Sul e Atlântico Equatorial na precipitação sobre as regiões norte e nordeste da América do Sul. <i>Acta Amazonica</i> , 2013, 43, 469-480.	0.3	24
25	Streamflow Variability in Colombian Pacific Basins and Their Teleconnections with Climate Indices. <i>Water (Switzerland)</i> , 2020, 12, 526.	1.2	24
26	Some evidence on the relationship between the South American monsoon and the Atlantic ITCZ. <i>Theoretical and Applied Climatology</i> , 2010, 99, 29-38.	1.3	23
27	How the two nodes of the tropical Atlantic sea surface temperature dipole relate the climate of the surrounding regions during austral autumn. <i>International Journal of Climatology</i> , 2018, 38, 3927-3941.	1.5	22
28	Spatiotemporal variability modes of surface air temperature in South America during the 1951-2010 period: <sc>ENSO</sc> and non-ENSO components. <i>International Journal of Climatology</i> , 2017, 37, 1-13.	1.5	20
29	The Influence of the Atlantic Multidecadal Oscillation on the Choco Low-Level Jet and Precipitation in Colombia. <i>Atmosphere</i> , 2020, 11, 174.	1.0	19
30	Comparison of spatial interpolation methods for annual and seasonal rainfall in two hotspots of biodiversity in South America. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20190674.	0.3	18
31	Some considerations on onset dates of the rainy season in Western-Central Brazil with antisymmetric outgoing longwave radiation relative to the equator. <i>International Journal of Climatology</i> , 2013, 33, 188-198.	1.5	15
32	Streamflow Intensification Driven by the Atlantic Multidecadal Oscillation (AMO) in the Atrato River Basin, Northwestern Colombia. <i>Water (Switzerland)</i> , 2020, 12, 216.	1.2	15
33	Seasonal precipitation variability modes over South America associated to El Niño-Southern Oscillation (<sc>ENSO</sc>) and non-ENSO components during the 1951-2016 period. <i>International Journal of Climatology</i> , 2021, 41, 4321-4338.	1.5	15
34	Spatio-temporal analysis of the droughts in Cali, Colombia and their primary relationships with the El Niño-Southern Oscillation (ENSO) between 1971 and 2011. <i>Atmosfera</i> , 2020, 33, 51-69.	0.3	15
35	Patterns of interannual climate variability in large marine ecosystems. <i>Journal of Marine Systems</i> , 2014, 134, 57-68.	0.9	14
36	Is the Recent Increasing Trend of Rainfall over Northeast Brazil Related to Sub-Saharan Drought?. <i>Journal of Climate</i> , 2006, 19, 4448-4453.	1.2	13

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37	A principal component analysis approach to assess CHIRPS precipitation dataset for the study of climate variability of the La Plata Basin, Southern South America. <i>Natural Hazards</i> , 2020, 103, 767-783.	1.6	13
38	Moisture and heat budgets associated with the South American monsoon system and the Atlantic ITCZ. <i>International Journal of Climatology</i> , 2011, 31, 2154-2167.	1.5	12
39	Relations of the Low-Level Extratropical Cyclones in the Southeast Pacific and South Atlantic to the Atlantic Multidecadal Oscillation. <i>Journal of Climate</i> , 2019, 32, 4167-4178.	1.2	11
40	Trend Pattern of Heavy and Intense Rainfall Events in Colombia from 1981â€“2018: A Trend-EOF Approach. <i>Atmosphere</i> , 2022, 13, 156.	1.0	11
41	Outgoing longwave radiation biases and their impacts on empirical orthogonal function modes of interannual variability in the tropics. <i>Journal of Geophysical Research</i> , 1995, 100, 3173.	3.3	10
42	American cutaneous leishmaniasis cases in the metropolitan region of Manaus, Brazil: association with climate variables over time. <i>Geospatial Health</i> , 2015, 10, 314.	0.3	10
43	Rainfall Variability in Southwestern Colombia: Changes in ENSO-Related Features. <i>Pure and Applied Geophysics</i> , 2021, 178, 1087-1103.	0.8	10
44	Principal modes of the total ozone on the Southern Oscillation timescale and related temperature variations. <i>Journal of Geophysical Research</i> , 1997, 102, 25797-25806.	3.3	9
45	Impact of the biomass burning on methane variability during dry years in the Amazon measured from an aircraft and the AIRS sensor. <i>Science of the Total Environment</i> , 2018, 624, 509-516.	3.9	9
46	Effects of two different La NiÃ±a types on the South American rainfall. <i>International Journal of Climatology</i> , 2019, 39, 1415-1428.	1.5	8
47	Does the El NiÃ±o-Southern Oscillation Affect the Combined Impact of the Atlantic Multidecadal Oscillation and Pacific Decadal Oscillation on the Precipitation and Surface Air Temperature Variability over South America?. <i>Atmosphere</i> , 2022, 13, 231.	1.0	8
48	A review of short-term climate variability mechanisms. <i>Advances in Space Research</i> , 2005, 35, 843-851.	1.2	7
49	Multidecadal variability of moisture and heat budgets of the South American monsoon system. <i>Theoretical and Applied Climatology</i> , 2015, 121, 557-570.	1.3	7
50	Revised method to detect the onset and demise dates of the rainy season in the South American Monsoon areas. <i>Theoretical and Applied Climatology</i> , 2016, 126, 481-491.	1.3	7
51	Pacific and Atlantic Multidecadal Variability Relations with the Choco and Caribbean Low-Level Jets during the 1900â€“2015 Period. <i>Atmosphere</i> , 2021, 12, 1120.	1.0	7
52	Spatiotemporal variability of methane over the Amazon from satellite observations. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 852-864.	1.9	6
53	The role of the Atlantic Multidecadal Oscillation precondition in the teleconnection of different El NiÃ±o/Southern Oscillation types and impacts on the 15Ã°Nâ€“15Ã°S South American sector precipitation. <i>International Journal of Climatology</i> , 2020, 40, 1943-1964.	1.5	6
54	Onset and demise dates of the rainy season in the South American monsoon region: A cluster analysis result. <i>International Journal of Climatology</i> , 0, , .	1.5	6

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55	El Niño-Southern Oscillation and Indian Ocean Dipole Modes: Their Effects on South American Rainfall during Austral Spring. <i>Atmosphere</i> , 2021, 12, 1437.	1.0	6
56	The walker circulation and atmospheric water vapour characteristics over the Pacific for two contrasting years. <i>International Journal of Climatology</i> , 1989, 9, 243-251.	1.5	5
57	Zonally symmetric and asymmetric features of the tropospheric Madden-Julian oscillation. <i>Journal of Geophysical Research</i> , 1998, 103, 13703-13712.	3.3	5
58	An analysis of the seasonal precipitation forecasts in South America using wavelets. <i>International Journal of Climatology</i> , 2009, 29, 1560-1573.	1.5	5
59	The Role of the Indian Ocean Basin-Wide and El Niño Southern Oscillation Modes in Interannual Rainfall Variability over South America during Austral Summer. <i>Atmosphere</i> , 2021, 12, 1094.	1.0	5
60	Missing data estimation in extreme rainfall indices for the Metropolitan area of Cali - Colombia: An approach based on artificial neural networks. <i>Data in Brief</i> , 2021, 39, 107592.	0.5	5
61	Análise dos Eventos Climáticos Extremos e de Suas Causas Climáticas para Redução de Riscos nas Bacias Hidrográficas Aguapeã-e Peixe, São Paulo, Brasil. <i>Revista Brasileira De Meteorologia</i> , 2020, 35, 755-768.	0.2	4
62	Moisture and heat budgets of the south American monsoon system: climatological aspects. <i>Theoretical and Applied Climatology</i> , 2017, 130, 233-247.	1.3	3
63	Nearly Synchronous Multidecadal Oscillations of Surface Air Temperature in Punta Arenas and the Atlantic Multidecadal Oscillation Index. <i>Journal of Climate</i> , 2018, 31, 7237-7248.	1.2	2
64	Isolated Effects of Indian Ocean Basin-Wide and El Niño Southern Oscillation on Austral Winter Rainfall over South America. <i>Atmosphere</i> , 2021, 12, 1605.	1.0	2
65	Increase in the number of explosive low-level cyclones around King George Island in the last three decades. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, e20210633.	0.3	2
66	Intense drought and flooding events in the Rio Negro and relation with the tropical Pacific and Atlantic variability modes. <i>Theoretical and Applied Climatology</i> , 2017, 129, 551-576.	1.3	1
67	Sub-monthly variability of the South American summer precipitation under El Niño and La Niña backgrounds during the 1998-2012 period. <i>International Journal of Climatology</i> , 2018, 38, 2153-2166.	1.5	1
68	Spatio-Temporal Variability of Hydroclimatology in the Upper Cauca River Basin in Southwestern Colombia: Pre- and Post-Salvajina Dam Perspective. <i>Atmosphere</i> , 2021, 12, 1527.	1.0	0