

# JosÃ© Marengo

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

8,668  
citations

76326

40  
h-index

114465

63  
g-index

69  
all docs

69  
docs citations

69  
times ranked

9362  
citing authors

#	ARTICLE	IF	CITATIONS
1	Importance of including soil moisture in drought monitoring over the Brazilian semiarid region: An evaluation using the JULES model, in situ observations, and remote sensing. <i>Climate Resilience and Sustainability</i> , 2022, 1, e7.	2.3	8
2	Drought in Northeast Brazil: A review of agricultural and policy adaptation options for food security. <i>Climate Resilience and Sustainability</i> , 2022, 1, .	2.3	26
3	The heat wave of October 2020 in central South America. <i>International Journal of Climatology</i> , 2022, 42, 2281-2298.	3.5	35
4	Increased climate pressure on the agricultural frontier in the Eastern Amazoniaâ€Cerrado transition zone. <i>Scientific Reports</i> , 2022, 12, 457.	3.3	43
5	Assessing the role of compound drought and heatwave events on unprecedented 2020 wildfires in the Pantanal. <i>Environmental Research Letters</i> , 2022, 17, 015005.	5.2	78
6	Recent Hydrological Droughts in Brazil and Their Impact on Hydropower Generation. <i>Water (Switzerland)</i> , 2022, 14, 601.	2.7	29
7	Uncertainties in projections of climate extremes indices in South America via Bayesian inference. <i>International Journal of Climatology</i> , 2022, 42, 7362-7382.	3.5	6
8	Evaluating the soil moisture retrievals for agricultural drought monitoring over Brazil. , 2022, , .		0
9	Trends and Climate Elasticity of Streamflow in South-Eastern Brazil Basins. <i>Water (Switzerland)</i> , 2022, 14, 2245.	2.7	2
10	Increased chlorophyll-a concentration in Barra Bonita reservoir during extreme drought periods. <i>Science of the Total Environment</i> , 2022, 843, 157106.	8.0	4
11	Moisture flows on Southeast Brazil: Present and future climate. <i>International Journal of Climatology</i> , 2021, 41, E935.	3.5	8
12	Assessment of rainfall variability and future change in Brazil across multiple timescales. <i>International Journal of Climatology</i> , 2021, 41, E1875.	3.5	29
13	Extreme Drought in the Brazilian Pantanal in 2019â€C2020: Characterization, Causes, and Impacts. <i>Frontiers in Water</i> , 2021, 3, .	2.3	136
14	Changing Trends in Rainfall Extremes in the Metropolitan Area of SÃ£o Paulo: Causes and Impacts. <i>Frontiers in Climate</i> , 2020, 2, .	2.8	26
15	Assessing drought in the drylands of northeast Brazil under regional warming exceeding 4Â°C. <i>Natural Hazards</i> , 2020, 103, 2589-2611.	3.4	74
16	Trends in extreme rainfall and hydrogeometeorological disasters in the Metropolitan Area of SÃ£o Paulo: a review. <i>Annals of the New York Academy of Sciences</i> , 2020, 1472, 5-20.	3.8	54
17	Climate impacts in the Brazilian energy security: analysis of observed events and adaptation options. <i>Sustentabilidade Em Debate</i> , 2020, 11, 157-196.	0.2	2
18	Future rainfall and temperature changes in Brazil under global warming levels of 1.5Â°C, 2Â°C and 4Â°C. <i>Sustentabilidade Em Debate</i> , 2020, 11, 57-90.	0.2	9

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19	Drought monitoring in the Brazilian Semiarid region. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20170209.	0.8	79
20	The role of nature-based solutions in disaster risk reduction: The decision maker's perspectives on urban resilience in São Paulo state. International Journal of Disaster Risk Reduction, 2019, 39, 101219.	3.9	39
21	Extreme Drought Events over Brazil from 2011 to 2019. Atmosphere, 2019, 10, 642.	2.3	194
22	Patterns of Extreme Precipitation in Santos. , 2019, , 45-57.		1
23	Increase Risk of Drought in the Semiarid Lands of Northeast Brazil Due to Regional Warming above 4 °C. , 2019, , 181-200.		18
24	21st Century drought-related fires counteract the decline of Amazon deforestation carbon emissions. Nature Communications, 2018, 9, 536.	12.8	485
25	Climate change projections over three metropolitan regions in Southeast Brazil using the non-hydrostatic Eta regional climate model at 5-km resolution. Theoretical and Applied Climatology, 2018, 132, 663-682.	2.8	87
26	Changes in Climate and Land Use Over the Amazon Region: Current and Future Variability and Trends. Frontiers in Earth Science, 2018, 6, .	1.8	259
27	Tools for Communicating Agricultural Drought over the Brazilian Semiarid Using the Soil Moisture Index. Water (Switzerland), 2018, 10, 1421.	2.7	29
28	The Atmospheric Branch of the Hydrological Cycle over the Negro and Madeira River Basins in the Amazon Region. Water (Switzerland), 2018, 10, 738.	2.7	23
29	Climatic characteristics of the 2010-2016 drought in the semiarid Northeast Brazil region. Anais Da Academia Brasileira De Ciencias, 2018, 90, 1973-1985.	0.8	258
30	An early warning for soil moisture in Brazil, using radar data and normalized difference vegetation index. Estudos CindÁ,nicos, 2018, , 117-138.	0.1	2
31	Drought in Northeast Brazil – past, present, and future. Theoretical and Applied Climatology, 2017, 129, 1189-1200.	2.8	451
32	A globally deployable strategy for co-development of adaptation preferences to sea-level rise: the public participation case of Santos, Brazil. Natural Hazards, 2017, 88, 39-53.	3.4	15
33	An index of Brazil’s vulnerability to expected increases in natural flash flooding and landslide disasters in the context of climate change. Natural Hazards, 2017, 86, 557-582.	3.4	124
34	Hydrological services in the Atlantic Forest, Brazil: An ecosystem-based adaptation using ecohydrological monitoring. Climate Services, 2017, 8, 1-16.	2.5	38
35	Impact of Soil Moisture on Crop Yields over Brazilian Semiarid. Frontiers in Environmental Science, 2017, 5, .	3.3	60
36	Impact of soil moisture over Palmer Drought Severity Index and its future projections in Brazil. Revista Brasileira De Recursos Hidricos, 2017, 22, .	0.5	18

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37	An index of Brazil's vulnerability to expected increases in natural flash flooding and landslide disasters in the context of climate change. , 2017, 86, 557.		1
38	Projections of Precipitation Changes in Two Vulnerable Regions of São Paulo State, Brazil. American Journal of Climate Change, 2017, 06, 268-293.	0.9	20
39	Some Characteristics and Impacts of the Drought and Water Crisis in Southeastern Brazil during 2014 and 2015. Journal of Water Resource and Protection, 2016, 08, 252-262.	0.8	248
40	Crise Hídrica em São Paulo em 2014: Seca e Desmatamento. GEOUSP: Espaço E Tempo, 2015, 19, 485.	0.1	37
41	A seca e a crise hídrica de 2014-2015 em São Paulo. Revista USP, 2015, , 31-44.	0.1	84
42	Regional differences in aridity/drought conditions over Northeast Brazil: present state and future projections. Climatic Change, 2015, 129, 103-115.	3.6	174
43	The extreme 2014 flood in south-western Amazon basin: the role of tropical-subtropical South Atlantic SST gradient. Environmental Research Letters, 2014, 9, 124007.	5.2	152
44	Climate change hotspots over South America: from CMIP3 to CMIP5 multi-model datasets. Theoretical and Applied Climatology, 2014, 117, 579-587.	2.8	58
45	Evaluation of the Eta Simulations Nested in Three Global Climate Models. American Journal of Climate Change, 2014, 03, 438-454.	0.9	170
46	Extreme Rainfall Indices in the Hydrographic Basins of Brazil. Open Journal of Modern Hydrology, 2014, 04, 10-26.	1.0	49
47	Two Contrasting Severe Seasonal Extremes in Tropical South America in 2012: Flood in Amazonia and Drought in Northeast Brazil. Journal of Climate, 2013, 26, 9137-9154.	3.2	194
48	Uncertainty assessments of climate change projections over South America. Theoretical and Applied Climatology, 2013, 112, 253-272.	2.8	62
49	Recent Extremes of Drought and Flooding in Amazonia: Vulnerabilities and Human Adaptation. American Journal of Climate Change, 2013, 02, 87-96.	0.9	109
50	Detection and Projections of Climate Change in Rio de Janeiro, Brazil. American Journal of Climate Change, 2013, 02, 25-33.	0.9	49
51	Changes in Climate Extremes and their Impacts on the Natural Physical Environment. , 2012, , 109-230.		1,080
52	Aerial Rivers and Lakes: Looking at Large-Scale Moisture Transport and Its Relation to Amazonia and to Subtropical Rainfall in South America. Journal of Climate, 2012, 25, 543-556.	3.2	115
53	Socio-climatic hotspots in Brazil. Climatic Change, 2012, 115, 597-609.	3.6	50
54	Extreme climatic events in the Amazon basin. Theoretical and Applied Climatology, 2012, 107, 73-85.	2.8	169

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55	The drought of 2010 in the context of historical droughts in the Amazon region. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	496
56	The droughts of 1996–1997 and 2004–2005 in Amazonia: hydrological response in the river mainstem. <i>Hydrological Processes</i> , 2011, 25, 1228-1242.	2.6	80
57	Future change of climate in South America in the late twenty-first century: intercomparison of scenarios from three regional climate models. <i>Climate Dynamics</i> , 2010, 35, 1073-1097.	3.8	194
58	Temporal downscaling: a comparison between artificial neural network and autocorrelation techniques over the Amazon Basin in present and future climate change scenarios. <i>Theoretical and Applied Climatology</i> , 2010, 100, 413-421.	2.8	55
59	An intercomparison of model-simulated 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
60	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
61	Assessments of moisture fluxes east of the Andes in South America in a global warming scenario. <i>International Journal of Climatology</i> , 2009, 29, 1395-1414.	3.5	52
62	The Drought of Amazonia in 2005. <i>Journal of Climate</i> , 2008, 21, 495-516.	3.2	582
63	Onset and End of the Rainy Season in South America in Observations and the ECHAM 4.5 Atmospheric General Circulation Model. <i>Journal of Climate</i> , 2007, 20, 2037-2050.	3.2	114
64	The effects of deforestation on the hydrological cycle in Amazonia: a review on scale and resolution. <i>International Journal of Climatology</i> , 2007, 27, 633-647.	3.5	201
65	Characteristics and spatio-temporal variability of the Amazon River Basin Water Budget. <i>Climate Dynamics</i> , 2005, 24, 11-22.	3.8	156
66	Climatology of the Low-Level Jet East of the Andes as Derived from the NCEP–NCAR Reanalyses: Characteristics and Temporal Variability. <i>Journal of Climate</i> , 2004, 17, 2261-2280.	3.2	453
67	Onset and End of the Rainy Season in the Brazilian Amazon Basin. <i>Journal of Climate</i> , 2001, 14, 833-852.	3.2	323
68	Interannual variability of surface climate in the Amazon basin. <i>International Journal of Climatology</i> , 1992, 12, 853-863.	3.5	232
69	SECAS E OS IMPACTOS NA REGIÃO SUL DO BRASIL. <i>Revista Brasileira De Climatologia</i> , 0, 28, .	0.3	8