

JosÃ© Marengo

List of Publications by Year in descending order

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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	Changes in Climate Extremes and their Impacts on the Natural Physical Environment. , 2012, , 109-230.		1,080
2	The Drought of Amazonia in 2005. Journal of Climate, 2008, 21, 495-516.	3.2	582
3	The drought of 2010 in the context of historical droughts in the Amazon region. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	496
4	21st Century drought-related fires counteract the decline of Amazon deforestation carbon emissions. Nature Communications, 2018, 9, 536.	12.8	485
5	Climatology of the Low-Level Jet East of the Andes as Derived from the NCEP-NCAR Reanalyses: Characteristics and Temporal Variability. Journal of Climate, 2004, 17, 2261-2280.	3.2	453
6	Drought in Northeast Brazil—past, present, and future. Theoretical and Applied Climatology, 2017, 129, 1189-1200.	2.8	451
7	Onset and End of the Rainy Season in the Brazilian Amazon Basin. Journal of Climate, 2001, 14, 833-852.	3.2	323
8	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
9	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
10	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
11	Interannual variability of surface climate in the Amazon basin. International Journal of Climatology, 1992, 12, 853-863.	3.5	232
12	The effects of deforestation on the hydrological cycle in Amazonia: a review on scale and resolution. International Journal of Climatology, 2007, 27, 633-647.	3.5	201
13	Future change of climate in South America in the late twenty-first century: intercomparison of scenarios from three regional climate models. Climate Dynamics, 2010, 35, 1073-1097.	3.8	194
14	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
15	Extreme Drought Events over Brazil from 2011 to 2019. Atmosphere, 2019, 10, 642.	2.3	194
16	Regional differences in aridity/drought conditions over Northeast Brazil: present state and future projections. Climatic Change, 2015, 129, 103-115.	3.6	174
17	Evaluation of the Eta Simulations Nested in Three Global Climate Models. American Journal of Climate Change, 2014, 03, 438-454.	0.9	170
18	Extreme climatic events in the Amazon basin. Theoretical and Applied Climatology, 2012, 107, 73-85.	2.8	169

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19	Characteristics and spatio-temporal variability of the Amazon River Basin Water Budget. <i>Climate Dynamics</i> , 2005, 24, 11-22.	3.8	156
20	The extreme 2014 flood in south-western Amazon basin: the role of tropical-subtropical South Atlantic SST gradient. <i>Environmental Research Letters</i> , 2014, 9, 124007.	5.2	152
21	Extreme Drought in the Brazilian Pantanal in 2019–2020: Characterization, Causes, and Impacts. <i>Frontiers in Water</i> , 2021, 3, .	2.3	136
22	An index of Brazil's vulnerability to expected increases in natural flash flooding and landslide disasters in the context of climate change. <i>Natural Hazards</i> , 2017, 86, 557-582.	3.4	124
23	Aerial Rivers and Lakes: Looking at Large-Scale Moisture Transport and Its Relation to Amazonia and to Subtropical Rainfall in South America. <i>Journal of Climate</i> , 2012, 25, 543-556.	3.2	115
24	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
25	Recent Extremes of Drought and Flooding in Amazonia: Vulnerabilities and Human Adaptation. <i>American Journal of Climate Change</i> , 2013, 02, 87-96.	0.9	109
26	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
27	Climate change projections over three metropolitan regions in Southeast Brazil using the non-hydrostatic Eta regional climate model at 5-km resolution. <i>Theoretical and Applied Climatology</i> , 2018, 132, 663-682.	2.8	87
28	A seca e a crise hídrica de 2014-2015 em São Paulo. <i>Revista USP</i> , 2015, , 31-44.	0.1	84
29	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
30	Drought monitoring in the Brazilian Semi-arid region. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20170209.	0.8	79
31	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
32	Assessing drought in the drylands of northeast Brazil under regional warming exceeding 4°C. <i>Natural Hazards</i> , 2020, 103, 2589-2611.	3.4	74
33	Uncertainty assessments of climate change projections over South America. <i>Theoretical and Applied Climatology</i> , 2013, 112, 253-272.	2.8	62
34	Impact of Soil Moisture on Crop Yields over Brazilian Semi-arid. <i>Frontiers in Environmental Science</i> , 2017, 5, .	3.3	60
35	Climate change hotspots over South America: from CMIP3 to CMIP5 multi-model datasets. <i>Theoretical and Applied Climatology</i> , 2014, 117, 579-587.	2.8	58
36	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

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37	Trends in extreme rainfall and hydrogeometeorological disasters in the Metropolitan Area of São Paulo: a review. <i>Annals of the New York Academy of Sciences</i> , 2020, 1472, 5-20.	3.8	54
38	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
39	Socio-climatic hotspots in Brazil. <i>Climatic Change</i> , 2012, 115, 597-609.	3.6	50
40	Detection and Projections of Climate Change in Rio de Janeiro, Brazil. <i>American Journal of Climate Change</i> , 2013, 02, 25-33.	0.9	49
41	Extreme Rainfall Indices in the Hydrographic Basins of Brazil. <i>Open Journal of Modern Hydrology</i> , 2014, 04, 10-26.	1.0	49
42	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
43	Increased climate pressure on the agricultural frontier in the Eastern Amazonia—Cerrado transition zone. <i>Scientific Reports</i> , 2022, 12, 457.	3.3	43
44	The role of nature-based solutions in disaster risk reduction: The decision maker's perspectives on urban resilience in São Paulo state. <i>International Journal of Disaster Risk Reduction</i> , 2019, 39, 101219.	3.9	39
45	Hydrological services in the Atlantic Forest, Brazil: An ecosystem-based adaptation using ecohydrological monitoring. <i>Climate Services</i> , 2017, 8, 1-16.	2.5	38
46	Crise Hídrica em São Paulo em 2014: Seca e Desmatamento. <i>GEOUSP: Espaço E Tempo</i> , 2015, 19, 485.	0.1	37
47	The heat wave of October 2020 in central South America. <i>International Journal of Climatology</i> , 2022, 42, 2281-2298.	3.5	35
48	Tools for Communicating Agricultural Drought over the Brazilian Semiarid Using the Soil Moisture Index. <i>Water (Switzerland)</i> , 2018, 10, 1421.	2.7	29
49	Assessment of rainfall variability and future change in Brazil across multiple timescales. <i>International Journal of Climatology</i> , 2021, 41, E1875.	3.5	29
50	Recent Hydrological Droughts in Brazil and Their Impact on Hydropower Generation. <i>Water (Switzerland)</i> , 2022, 14, 601.	2.7	29
51	Changing Trends in Rainfall Extremes in the Metropolitan Area of São Paulo: Causes and Impacts. <i>Frontiers in Climate</i> , 2020, 2, .	2.8	26
52	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
53	The Atmospheric Branch of the Hydrological Cycle over the Negro and Madeira River Basins in the Amazon Region. <i>Water (Switzerland)</i> , 2018, 10, 738.	2.7	23
54	Projections of Precipitation Changes in Two Vulnerable Regions of São Paulo State, Brazil. <i>American Journal of Climate Change</i> , 2017, 06, 268-293.	0.9	20

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55	Impact of soil moisture over Palmer Drought Severity Index and its future projections in Brazil. <i>Revista Brasileira De Recursos Hidricos</i> , 2017, 22, .	0.5	18
56	Increase Risk of Drought in the Semiarid Lands of Northeast Brazil Due to Regional Warming above 4 Â°C. , 2019, , 181-200.		18
57	A globally deployable strategy for co-development of adaptation preferences to sea-level rise: the public participation case of Santos, Brazil. <i>Natural Hazards</i> , 2017, 88, 39-53.	3.4	15
58	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
59	Moisture flows on Southeast Brazil: Present and future climate. <i>International Journal of Climatology</i> , 2021, 41, E935.	3.5	8
60	SECAS E OS IMPACTOS NA REGIÃO SUL DO BRASIL. <i>Revista Brasileira De Climatologia</i> , 0, 28, .	0.3	8
61	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
62	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
63	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
64	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
65	An early warning for soil moisture in Brazil, using radar data and normalized difference vegetation index. <i>Estudos CindAl,ínicos</i> , 2018, , 117-138.	0.1	2
66	Trends and Climate Elasticity of Streamflow in South-Eastern Brazil Basins. <i>Water (Switzerland)</i> , 2022, 14, 2245.	2.7	2
67	Patterns of Extreme Precipitation in Santos. , 2019, , 45-57.		1
68	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
69	Evaluating the soil moisture retrievals for agricultural drought monitoring over Brazil. , 2022, , .		0