Jose A Marengo

List of Publications by Year
in descending order

66 papers	8,362 citations	66234 42 h-index	114278 63 g-index
67 all docs	67 docs citations	67 times ranked	7926 citing authors

#	Article	IF	Citations
1	Increased climate pressure on the agricultural frontier in the Eastern Amazoniaâ€“Cerrado transition zone. Scientific Reports, 2022, 12, 457.	1.6	43
2	Assessing the role of compound drought and heatwave events on unprecedented 2020 wildfires in the Pantanal. Environmental Research Letters, 2022, 17, 015005.	2.2	78
3	Assessment of rainfall variability and future change in Brazil across multiple timescales. International Journal of Climatology, 2021, 41, E1875.	1.5	29
4	The role of ENSO flavours and TNA on recent droughts over Amazon forests and the Northeast Brazil region. International Journal of Climatology, 2021, 41, 3761-3780.	1.5	48
5	Extreme Rainfall and Hydro-Geo-Meteorological Disaster Risk in 1.5, 2.0, and 4.0Â°C Global Warming Scenarios: An Analysis for Brazil. Frontiers in Climate, 2021, 3, .	1.3	32
6	Uncovering episodic influence of oceans on extreme drought events in Northeast Brazil by ordinal partition network approaches. Chaos, 2020, 30, 053104.	1.0	11
7	Assessing drought in the drylands of northeast Brazil under regional warming exceeding 4ÂÂ°C. Natural Hazards, 2020, 103, 2589-2611.	1.6	74
8	Trends in extreme rainfall and hydrogeometeorological disasters in the Metropolitan Area of SÃ£o Paulo: a review. Annals of the New York Academy of Sciences, 2020, 1472, 5-20.	1.8	54
9	Climate impacts of the El NiÃ±oâ€“Southern Oscillation on South America. Nature Reviews Earth & Environment, 2020, 1, 215-231.	12.2	318
10	Projections of Climate Change in the Coastal Area of Santos. , 2019, , 59-73.		5
11	21st Century drought-related fires counteract the decline of Amazon deforestation carbon emissions. Nature Communications, 2018, 9, 536.	5.8	485
12	Changes in Climate and Land Use Over the Amazon Region: Current and Future Variability and Trends. Frontiers in Earth Science, 2018, 6, .	0.8	259
13	The Atmospheric Branch of the Hydrological Cycle over the Negro and Madeira River Basins in the Amazon Region. Water (Switzerland), 2018, 10, 738.	1.2	23
14	Climatic characteristics of the 2010-2016 drought in the semiarid Northeast Brazil region. Anais Da Academia Brasileira De Ciencias, 2018, 90, 1973-1985.	0.3	258
15	Drought in Northeast Brazilâ€”past, present, and future. Theoretical and Applied Climatology, 2017, 129, 1189-1200.	1.3	451
16	Seasonal variation of shallowâ€toâ€deep convection transition and its link to the environmental conditions over the Central Amazon. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2649-2666.	1.2	40
17	On the opposite relation between extreme precipitation over west Amazon and southeastern Brazil: observations and model simulations. International Journal of Climatology, 2017, 37, 3606-3618.	1.5	25
18	An index of Brazilâ€™s vulnerability to expected increases in natural flash flooding and landslide disasters in the context of climate change. Natural Hazards, 2017, 86, 557-582.	1.6	124

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19	The impacts of a plume-rise scheme on earth system modeling: climatological effects of biomass aerosols on the surface temperature and energy budget of South America. Theoretical and Applied Climatology, 2017, 129, 1035-1044.	1.3	3
20	Climate Change and Water Resources. , 2017, , 171-186.		11
21	Hydrological services in the Atlantic Forest, Brazil: An ecosystem-based adaptation using ecohydrological monitoring. Climate Services, 2017, 8, 1-16.	1.0	38
22	Meteorological context of the onset and end of the rainy season in Central Amazonia during the GoAmazon2014/5. Atmospheric Chemistry and Physics, 2017, 17, 7671-7681.	1.9	27
23	Impact of Soil Moisture on Crop Yields over Brazilian Semiarid. Frontiers in Environmental Science, 2017, 5, .	1.5	60
24	An index of Brazilâ€™s vulnerability to expected increases in natural flash flooding and landslide disasters in the context of climate change. , 2017, 86, 557.		1
25	Impacts of Climate Extremes in Brazil: The Development of a Web Platform for Understanding Long-Term Sustainability of Ecosystems and Human Health in Amazonia (PULSE-Brazil). Bulletin of the American Meteorological Society, 2016, 97, 1341-1346.	1.7	11
26	Extreme Seasonal Climate Variations in the Amazon Basin: Droughts and Floods. Ecological Studies, 2016, , 55-76.	0.4	18
27	Regional differences in aridity/drought conditions over Northeast Brazil: present state and future projections. Climatic Change, 2015, 129, 103-115.	1.7	174
28	Climate Change Scenarios in the Pantanal. Handbook of Environmental Chemistry, 2015, , 227-238.	0.2	18
29	Propagation of Strong Rainfall Events from Southeastern South America to the Central Andes. Journal of Climate, 2015, 28, 7641-7658.	1.2	20
30	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.	1.2	194
31	The droughts of 1997 and 2005 in Amazonia: floodplain hydrology and its potential ecological and human impacts. Climatic Change, 2013, 116, 723-746.	1.7	47
32	Recent Extremes of Drought and Flooding in Amazonia: Vulnerabilities and Human Adaptation. American Journal of Climate Change, 2013, 02, 87-96.	0.5	109
33	Socio-climatic hotspots in Brazil. Climatic Change, 2012, 115, 597-609.	1.7	50
34	Climate diagnostics of three major drought events in the Amazon and illustrations of their seasonal precipitation predictions. Meteorological Applications, 2012, 19, 237-255.	0.9	75
35	Development of regional future climate change scenarios in South America using the Eta CPTEC/HadCM3 climate change projections: climatology and regional analyses for the Amazon, SÃ£o Francisco and the ParanÃ¡ River basins. Climate Dynamics, 2012, 38, 1829-1848.	1.7	232
36	Downscaling of South America present climate driven by 4-member HadCM3 runs. Climate Dynamics, 2012, 38, 635-653.	1.7	142

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37	The drought of 2010 in the context of historical droughts in the Amazon region. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	496
38	The droughts of 1996â€“1997 and 2004â€“2005 in Amazonia: hydrological response in the river mainâ€stem. Hydrological Processes, 2011, 25, 1228-1242.	1.1	80
39	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.	1.7	194
40	An intercomparison of observed and simulated extreme rainfall and temperature events during the last half of the twentieth century: part 2: historical trends. Climatic Change, 2010, 98, 509-529.	1.7	108
41	MudanÃ§as na circulaÃ§Ã£o atmosfÃ©rica sobre a AmÃ©rica do Sul para cenÃ¡rios futuros de clima projetados pelos modelos globais do IPCC AR4. Revista Brasileira De Meteorologia, 2010, 25, 125-145.	0.2	17
42	Longâ€term trends and cycles in the hydrometeorology of the Amazon basin since the late 1920s. Hydrological Processes, 2009, 23, 3236-3244.	1.1	99
43	Characteristics of Amazonian climate: Main features. Geophysical Monograph Series, 2009, , 149-162.	0.1	66
44	Possible impact of the Atlantic Multidecadal Oscillation on the South American summer monsoon. Geophysical Research Letters, 2009, 36, .	1.5	79
45	Understanding the climate of Amazonia: Progress from LBA. Geophysical Monograph Series, 2009, , 145-147.	0.1	20
46	Surface air temperature trends in Southern Brazil for 1960â€“2002. International Journal of Climatology, 2008, 28, 893-904.	1.5	126
47	Increasing risk of Amazonian drought due to decreasing aerosol pollution. Nature, 2008, 453, 212-215.	13.7	326
48	Causes and impacts of the 2005 Amazon drought. Environmental Research Letters, 2008, 3, 014002.	2.2	285
49	The Drought of Amazonia in 2005. Journal of Climate, 2008, 21, 495-516.	1.2	582
50	Onset and End of the Rainy Season in South America in Observations and the ECHAM 4.5 Atmospheric General Circulation Model. Journal of Climate, 2007, 20, 2037-2050.	1.2	114
51	The effects of deforestation on the hydrological cycle in Amazonia: a review on scale and resolution. International Journal of Climatology, 2007, 27, 633-647.	1.5	201
52	Evaluation of model-derived and remotely sensed precipitation products for continental South America. Journal of Geophysical Research, 2006, 111, .	3.3	37
53	A water balance model to study the hydrological response to different scenarios of deforestation in Amazonia. Journal of Hydrology, 2006, 331, 125-136.	2.3	35
54	Characteristics and spatio-temporal variability of the Amazon River Basin Water Budget. Climate Dynamics, 2005, 24, 11-22.	1.7	156

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55	Diurnal variability of rainfall in southwest Amazonia during the LBA-TRMM field campaign of the austral summer of 1999. Acta Amazonica, 2004, 34, 593-603.	0.3	18
56	Climatology of the Low-Level Jet East of the Andes as Derived from the NCEPâ€“NCAR Reanalyses: Characteristics and Temporal Variability. Journal of Climate, 2004, 17, 2261-2280.	1.2	453
57	Global Climatological Features in a Simulation Using the CPTECâ€“COLA AGCM. Journal of Climate, 2002, 15, 2965-2988.	1.2	106
58	Onset and End of the Rainy Season in the Brazilian Amazon Basin. Journal of Climate, 2001, 14, 833-852.	1.2	323
59	Tropical-midlatitude exchange of air masses during summer and winter in South America: climatic aspects and examples of intense events. International Journal of Climatology, 2000, 20, 1167-1190.	1.5	116
60	Trends in streamflow and rainfall in tropical South America: Amazonia, eastern Brazil, and northwestern Peru. Journal of Geophysical Research, 1998, 103, 1775-1783.	3.3	154
61	Uma revisÃ£o geral sobre o clima da AmazÃ´nia. Acta Amazonica, 1998, 28, 101-101.	0.3	157
62	Interannual variability of deep convection over the tropical South American sector as deduced from ISCCP C2 data. International Journal of Climatology, 1995, 15, 995-1010.	1.5	54
63	Validation of model improvements for the GISS GCM. Climate Dynamics, 1994, 10, 163-179.	1.7	14
64	Validation of model improvements for the GISS GCM. Climate Dynamics, 1994, 10, 163-179.	1.7	3
65	Case Studies of Extreme Climatic Events in the Amazon Basin. Journal of Climate, 1993, 6, 617-627.	1.2	122
66	Interannual variability of surface climate in the Amazon basin. International Journal of Climatology, 1992, 12, 853-863.	1.5	232