

# Cláudio Moisés Santos e Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

1,228  
citations

430874

18  
h-index

434195

31  
g-index

69  
all docs

69  
docs citations

69  
times ranked

1307  
citing authors

#	ARTICLE	IF	CITATIONS
1	Leaf plasticity across wet and dry seasons in <i>Croton blanchetianus</i> (Euphorbiaceae) at a tropical dry forest. <i>Scientific Reports</i> , 2022, 12, 954.	3.3	7
2	Long-term meteorological drought characterization in the São Francisco watershed, Brazil: A climatic water balance approach. <i>International Journal of Climatology</i> , 2022, 42, 8162-8183.	3.5	3
3	An epidemiological index for drought vulnerability in the Rio Grande do Norte State, Brazil. <i>International Journal of Biometeorology</i> , 2021, 65, 325-335.	3.0	5
4	Probability of occurrence of extreme precipitation events and natural disasters in the city of Natal, Brazil. <i>Urban Climate</i> , 2021, 35, 100753.	5.7	17
5	An assessment of the MOD17A2 gross primary production product in the Caatinga biome, Brazil. <i>International Journal of Remote Sensing</i> , 2021, 42, 1275-1291.	2.9	10
6	Assessment of SITE for CO <sub>2</sub> and Energy Fluxes Simulations in a Seasonally Dry Tropical Forest (Caatinga Ecosystem). <i>Forests</i> , 2021, 12, 86.	2.1	13
7	A brief evaluation of the MOD17A2H product over a pasture in northeast Brazil. <i>Remote Sensing Letters</i> , 2021, 12, 50-57.	1.4	1
8	Evaluation of atmospheric aerosols in the metropolitan area of São Paulo simulated by the regional EURAD-IM model on high-resolution. <i>Atmospheric Pollution Research</i> , 2021, 12, 451-469.	3.8	11
9	Landslides Triggered by the May 2017 Extreme Rainfall Event in the East Coast Northeast of Brazil. <i>Atmosphere</i> , 2021, 12, 1261.	2.3	8
10	Are Remote Sensing Evapotranspiration Models Reliable Across South American Ecoregions?. <i>Water Resources Research</i> , 2021, 57, e2020WR028752.	4.2	17
11	Energy Balance, CO <sub>2</sub> Balance, and Meteorological Aspects of Desertification Hotspots in Northeast Brazil. <i>Water (Switzerland)</i> , 2021, 13, 2962.	2.7	5
12	Evaluation of the Integrated Multi-Satellite Retrievals for the Global Precipitation Measurement (IMERG) Product in the São Francisco Basin (Brazil). <i>Water (Switzerland)</i> , 2021, 13, 2714.	2.7	16
13	Health-related vulnerability to climate extremes in homoclimatic zones of Amazonia and Northeast region of Brazil. <i>PLoS ONE</i> , 2021, 16, e0259780.	2.5	4
14	Caatinga Albedo Preserved and Replaced by Pasture in Northeast Brazil. <i>Atmosphere</i> , 2021, 12, 1622.	2.3	5
15	WRF model assessment for wind intensity and power density simulation in the southern coast of Brazil. <i>Energy</i> , 2020, 190, 116341.	8.8	7
16	Spatial and temporal assessment of the extreme and daily precipitation of the Tropical Rainfall Measuring Mission satellite in Northeast Brazil. <i>International Journal of Remote Sensing</i> , 2020, 41, 549-572.	2.9	39
17	Spatial distribution of the level of return of extreme precipitation events in Northeast Brazil. <i>International Journal of Climatology</i> , 2020, 40, 5098-5113.	3.5	24
18	Assessment of Gridded CRU TS Data for Long-Term Climatic Water Balance Monitoring over the São Francisco Watershed, Brazil. <i>Atmosphere</i> , 2020, 11, 1207.	2.3	27

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19	Climate Profiles in Brazilian Microregions. Atmosphere, 2020, 11, 1217.	2.3	17
20	Influence of Climate Variability on Soybean Yield in MATOPIBA, Brazil. Atmosphere, 2020, 11, 1130.	2.3	20
21	Seasonal variation in net ecosystem CO <sub>2</sub> exchange of a Brazilian seasonally dry tropical forest. Scientific Reports, 2020, 10, 9454.	3.3	51
22	Numerical simulation of the circulation and tropical teleconnection mechanisms of a severe drought event (2012–2016) in Northeastern Brazil. Climate Dynamics, 2020, 54, 4043-4057.	3.8	12
23	Environmental and biophysical controls of evapotranspiration from Seasonally Dry Tropical Forests (Caatinga) in the Brazilian Semi-arid. Agricultural and Forest Meteorology, 2020, 287, 107957.	4.8	59
24	Analysis of Climate Extreme Indices in the MATOPIBA Region, Brazil. Pure and Applied Geophysics, 2020, 177, 4457-4478.	1.9	28
25	Regionalização e Análise da Tendência da Precipitação do Rio Grande do Norte Associados a Padrões de TSM. Revista Brasileira De Meteorologia, 2020, 35, 269-280.	0.5	3
26	Avaliação de Extremos de Erosividade Causados pela Precipitação na Bacia do Rio Apodi/Mossoró-RN. Revista Brasileira De Meteorologia, 2020, 35, 871-879.	0.5	1
27	Rainfall-related natural disasters in the Northeast of Brazil as a response to ocean-atmosphere interaction. Theoretical and Applied Climatology, 2019, 138, 1821-1829.	2.8	9
28	Precipitation From Persistent Extremes is Increasing in Most Regions and Globally. Geophysical Research Letters, 2019, 46, 6041-6049.	4.0	79
29	Detecting linear trend of reference evapotranspiration in irrigated farming areas in Brazil's semiarid region. Theoretical and Applied Climatology, 2019, 138, 215-225.	2.8	28
30	Closure and partitioning of the energy balance in a preserved area of a Brazilian seasonally dry tropical forest. Agricultural and Forest Meteorology, 2019, 271, 398-412.	4.8	45
31	Precipitation and air temperature extremes in the Amazon and northeast Brazil. International Journal of Climatology, 2019, 39, 579-595.	3.5	51
32	Basin scale rainfall-evapotranspiration dynamics in a tropical semiarid environment during dry and wet years. International Journal of Applied Earth Observation and Geoinformation, 2019, 75, 29-43.	2.8	26
33	Changes of precipitation extremes indices in São Francisco River Basin, Brazil from 1947 to 2012. Theoretical and Applied Climatology, 2019, 135, 565-576.	2.8	64
34	Analysis of Climate Extreme Indices in the Northeast Brazil and the Brazilian Amazon in the Period from 1980 to 2013. Anuario Do Instituto De Geociencias, 2019, 42, 137-148.	0.2	11
35	Evaluation of Cumulus Parametrizations Emanuel and Grell of Regional Climate Model RegCM4: Simulating Precipitation and Surface Temperature over Northeastern of Brazil during the Southern Autumn. Anuario Do Instituto De Geociencias, 2019, 42, 231-240.	0.2	3
36	Assessing the Grell-Freitas Convection Parameterization in the <sc>NASA GEOS</sc> Modeling System. Journal of Advances in Modeling Earth Systems, 2018, 10, 1266-1289.	3.8	29

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37	Synoptic patterns of atmospheric circulation associated with intense precipitation events over the Brazilian Amazon. Theoretical and Applied Climatology, 2017, 128, 343-358.	2.8	7
38	Improvements in precipitation simulation over South America for past and future climates via multi-model combination. Climate Dynamics, 2017, 49, 343-361.	3.8	3
39	Climatology and trend analysis of extreme precipitation in subregions of Northeast Brazil. Theoretical and Applied Climatology, 2017, 130, 77-90.	2.8	117
40	The Brazilian developments on the Regional Atmospheric Modeling System (BRAMS 5.2): an integrated environmental model tuned for tropical areas. Geoscientific Model Development, 2017, 10, 189-222.	3.6	47
41	Calibration of Ångström-Prescott Equation to Estimate Daily Solar Radiation on Rio Grande do Norte State, Brazil. Revista Brasileira De Meteorologia, 2017, 32, 409-416.	0.5	15
42	Simulations of meteorological fields in the Amazon and Northeast Brazilian in the fall in an El Niño year. Journal of Environmental Analysis and Progress, 2017, 2, 526-535.	0.2	0
43	ESTIMATIVA DE BALANÇO DE ÁGUA NA BACIA AMAZÔNICA NO FINAL DA PRIMEIRA METADE DO SÉCULO XXI UTILIZANDO AS SIMULAÇÕES DO CMIP5. Boletim De Geografia, 2016, 33, 1.	0.1	0
44	Assessment of wind resources in two parts of Northeast Brazil with the use of numerical models. Meteorological Applications, 2016, 23, 563-573.	2.1	13
45	Regional climate simulations of the changes in the components of the moisture budget over South America. International Journal of Climatology, 2016, 36, 1170-1183.	3.5	10
46	Estimating return periods for daily precipitation extreme events over the Brazilian Amazon. Theoretical and Applied Climatology, 2016, 126, 585-595.	2.8	24
47	The influence of weather conditions in the concentration of Radon gas in an Atlantic Forest area of dunes in northeastern Brazil. Revista Brasileira De Geografia Fisica, 2016, 9, 831-843.	0.1	0
48	Impacto de um mecanismo de disparo da convecção na precipitação simulada com o modelo regional BRAMS sobre a bacia amazônica durante a estação chuvosa de 1999. Revista Brasileira De Meteorologia, 2015, 30, 145-157.	0.5	1
49	(NOTA DE PESQUISA) ESTUDO DE CASO: TEMPERATURA MENSAL DE REGIÕES DO LITORAL E SEMIÁRIDO DO NORDESTE BRASILEIRO (CASE STUDY: MONTHLY MEAN TEMPERATURE OF COASTAL AND) Tj ETQp. 1.3 0.784314 rgB	0.1	0
50	CARACTERÍSTICAS DA CIRCULAÇÃO ATMOSFÉRICA E PRECIPITAÇÃO UTILIZANDO O MODELO ACOPLADO MCGA/IBIS. Boletim De Geografia, 2015, 33, 100.	0.1	0
51	Seasonal Analysis of Return Periods for Maximum Daily Precipitation in the Brazilian Amazon. Journal of Hydrometeorology, 2015, 16, 973-984.	1.9	15
52	Precipitation regionalization of the Brazilian Amazon. Atmospheric Science Letters, 2015, 16, 185-192.	1.9	58
53	Trend analysis of daily precipitation in the Brazilian Amazon. Revista Brasileira De Geografia Fisica, 2015, 8, 1041-1052.	0.1	5
54	Improving Regional Dynamic Downscaling with Multiple Linear Regression Model Using Components Principal Analysis: Precipitation over Amazon and Northeast Brazil. Advances in Meteorology, 2014, 2014, 1-9.	1.6	4

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55	Dynamical downscaling of the precipitation in Northeast Brazil with a regional climate model during contrasting years. Atmospheric Science Letters, 2014, 15, 50-57.	1.9	9
56	Linear trend of occurrence and intensity of heavy rainfall events on Northeast Brazil. Atmospheric Science Letters, 2014, 15, 172-177.	1.9	41
57	Influence of the Tropical Atlantic Ocean's Sea Surface Temperature in the Eastern Northeast Brazil Precipitation. Atmospheric and Climate Sciences, 2014, 04, 874-883.	0.3	14
58	Ciclo diário e semidiário de precipitação na costa norte do Brasil. Revista Brasileira De Meteorologia, 2013, 28, 34-42.	0.5	7
59	Seasonality, Interannual Variability, and Linear Tendency of Wind Speeds in the Northeast Brazil from 1986 to 2011. Scientific World Journal, The, 2013, 2013, 1-10.	2.1	15
60	Transporte de Umidade nos Climas Presente, Passado e Futuro sobre a América do Sul (Moisture) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Física, 2013, 6, 945.	0.1	2
61	Numerical simulation of the diurnal cycle of rainfall in SW Amazon basin during the 1999 rainy season: the role of convective trigger function. Theoretical and Applied Climatology, 2012, 109, 473-483.	2.8	7
62	Distribuição espacial da precipitação sobre o Rio Grande do Norte: estimativas via satélites e medidas por pluviômetros. Revista Brasileira De Meteorologia, 2012, 27, 337-346.	0.5	16
63	Ciclo diário da precipitação estimada através de um radar banda S e pelo algoritmo 3B42_V6 do projeto TRMM durante a estação chuvosa de 1999 no sudoeste da Amazônia. Revista Brasileira De Meteorologia, 2011, 26, 95-107.	0.5	4
64	Comparação do perfil de vento medido por Radiossondas e por um SODAR durante o experimento DRYTOWET-AMC/LBA. Revista Brasileira De Meteorologia, 2009, 24, 356-363.	0.5	0
65	Diurnal and semidiurnal rainfall cycles during the rain season in SW Amazonia, observed via rain gauges and estimated using S-band radar. Atmospheric Science Letters, 2009, 10, 87-93.	1.9	13
66	Evaluation of high-resolution precipitation estimate over the Amazon Basin. Atmospheric Science Letters, 2009, 10, 273-278.	1.9	4
67	Synoptic environment associated with heavy rainfall events on the coastland of Northeast Brazil. Advances in Geosciences, 0, 35, 73-78.	12.0	20
68	Performance assessment of CMIP5 models in tropical South America using TOPSIS-based method. International Journal of Climatology, 0, , .	3.5	0