

Cláudio Moisés Santos e Silva

List of Publications by Year in descending order

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68
papers

1,228
citations

430442

18
h-index

433756

31
g-index

69
all docs

69
docs citations

69
times ranked

1307
citing authors

#	ARTICLE	IF	CITATIONS
1	Climatology and trend analysis of extreme precipitation in subregions of Northeast Brazil. <i>Theoretical and Applied Climatology</i> , 2017, 130, 77-90.	1.3	117
2	Precipitation From Persistent Extremes is Increasing in Most Regions and Globally. <i>Geophysical Research Letters</i> , 2019, 46, 6041-6049.	1.5	79
3	Changes of precipitation extremes indices in São Francisco River Basin, Brazil from 1947 to 2012. <i>Theoretical and Applied Climatology</i> , 2019, 135, 565-576.	1.3	64
4	Environmental and biophysical controls of evapotranspiration from Seasonally Dry Tropical Forests (Caatinga) in the Brazilian Semi-arid. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107957.	1.9	59
5	Precipitation regionalization of the Brazilian Amazon. <i>Atmospheric Science Letters</i> , 2015, 16, 185-192.	0.8	58
6	Precipitation and air temperature extremes in the Amazon and northeast Brazil. <i>International Journal of Climatology</i> , 2019, 39, 579-595.	1.5	51
7	Seasonal variation in net ecosystem CO ₂ exchange of a Brazilian seasonally dry tropical forest. <i>Scientific Reports</i> , 2020, 10, 9454.	1.6	51
8	The Brazilian developments on the Regional Atmospheric Modeling System (BRAMS 5.2): an integrated environmental model tuned for tropical areas. <i>Geoscientific Model Development</i> , 2017, 10, 189-222.	1.3	47
9	Closure and partitioning of the energy balance in a preserved area of a Brazilian seasonally dry tropical forest. <i>Agricultural and Forest Meteorology</i> , 2019, 271, 398-412.	1.9	45
10	Linear trend of occurrence and intensity of heavy rainfall events on Northeast Brazil. <i>Atmospheric Science Letters</i> , 2014, 15, 172-177.	0.8	41
11	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.	1.3	39
12	Assessing the Grell- Freitas Convection Parameterization in the <sc>NASA GEOS</sc> Modeling System. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1266-1289.	1.3	29
13	Detecting linear trend of reference evapotranspiration in irrigated farming areas in Brazil's semi-arid region. <i>Theoretical and Applied Climatology</i> , 2019, 138, 215-225.	1.3	28
14	Analysis of Climate Extreme Indices in the MATOPIBA Region, Brazil. <i>Pure and Applied Geophysics</i> , 2020, 177, 4457-4478.	0.8	28
15	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.	1.0	27
16	Basin scale rainfall-evapotranspiration dynamics in a tropical semi-arid environment during dry and wet years. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 75, 29-43.	1.4	26
17	Estimating return periods for daily precipitation extreme events over the Brazilian Amazon. <i>Theoretical and Applied Climatology</i> , 2016, 126, 585-595.	1.3	24
18	Spatial distribution of the level of return of extreme precipitation events in Northeast Brazil. <i>International Journal of Climatology</i> , 2020, 40, 5098-5113.	1.5	24

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19	Influence of Climate Variability on Soybean Yield in MATOPIBA, Brazil. <i>Atmosphere</i> , 2020, 11, 1130.	1.0	20
20	Synoptic environment associated with heavy rainfall events on the coastland of Northeast Brazil. <i>Advances in Geosciences</i> , 0, 35, 73-78.	12.0	20
21	Climate Profiles in Brazilian Microregions. <i>Atmosphere</i> , 2020, 11, 1217.	1.0	17
22	Probability of occurrence of extreme precipitation events and natural disasters in the city of Natal, Brazil. <i>Urban Climate</i> , 2021, 35, 100753.	2.4	17
23	Are Remote Sensing Evapotranspiration Models Reliable Across South American Ecoregions?. <i>Water Resources Research</i> , 2021, 57, e2020WR028752.	1.7	17
24	Distribuição espacial da precipitação sobre o Rio Grande do Norte: estimativas via satélites e medidas por pluviômetros. <i>Revista Brasileira De Meteorologia</i> , 2012, 27, 337-346.	0.2	16
25	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.	1.2	16
26	Seasonality, Interannual Variability, and Linear Tendency of Wind Speeds in the Northeast Brazil from 1986 to 2011. <i>Scientific World Journal</i> , The, 2013, 2013, 1-10.	0.8	15
27	Seasonal Analysis of Return Periods for Maximum Daily Precipitation in the Brazilian Amazon. <i>Journal of Hydrometeorology</i> , 2015, 16, 973-984.	0.7	15
28	Calibration of Ångström-Prescott Equation to Estimate Daily Solar Radiation on Rio Grande do Norte State, Brazil. <i>Revista Brasileira De Meteorologia</i> , 2017, 32, 409-416.	0.2	15
29	Influence of the Tropical Atlantic Ocean's Sea Surface Temperature in the Eastern Northeast Brazil Precipitation. <i>Atmospheric and Climate Sciences</i> , 2014, 04, 874-883.	0.1	14
30	Diurnal and semidiurnal rainfall cycles during the rain season in SW Amazonia, observed via rain gauges and estimated using S-band radar. <i>Atmospheric Science Letters</i> , 2009, 10, 87-93.	0.8	13
31	Assessment of wind resources in two parts of Northeast Brazil with the use of numerical models. <i>Meteorological Applications</i> , 2016, 23, 563-573.	0.9	13
32	Assessment of SITE for CO2 and Energy Fluxes Simulations in a Seasonally Dry Tropical Forest (Caatinga Ecosystem). <i>Forests</i> , 2021, 12, 86.	0.9	13
33	Numerical simulation of the circulation and tropical teleconnection mechanisms of a severe drought event (2012–2016) in Northeastern Brazil. <i>Climate Dynamics</i> , 2020, 54, 4043-4057.	1.7	12
34	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.	1.8	11
35	Analysis of Climate Extreme Indices in the Northeast Brazil and the Brazilian Amazon in the Period from 1980 to 2013. <i>Anuario Do Instituto De Geociencias</i> , 2019, 42, 137-148.	0.2	11
36	Regional climate simulations of the changes in the components of the moisture budget over South America. <i>International Journal of Climatology</i> , 2016, 36, 1170-1183.	1.5	10

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37	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.	1.3	10
38	Dynamical downscaling of the precipitation in Northeast Brazil with a regional climate model during contrasting years. <i>Atmospheric Science Letters</i> , 2014, 15, 50-57.	0.8	9
39	Rainfall-related natural disasters in the Northeast of Brazil as a response to ocean-atmosphere interaction. <i>Theoretical and Applied Climatology</i> , 2019, 138, 1821-1829.	1.3	9
40	Landslides Triggered by the May 2017 Extreme Rainfall Event in the East Coast Northeast of Brazil. <i>Atmosphere</i> , 2021, 12, 1261.	1.0	8
41	Numerical simulation of the diurnal cycle of rainfall in SW Amazon basin during the 1999 rainy season: the role of convective trigger function. <i>Theoretical and Applied Climatology</i> , 2012, 109, 473-483.	1.3	7
42	Ciclo diário e semidiário de precipitação na costa norte do Brasil. <i>Revista Brasileira De Meteorologia</i> , 2013, 28, 34-42.	0.2	7
43	Synoptic patterns of atmospheric circulation associated with intense precipitation events over the Brazilian Amazon. <i>Theoretical and Applied Climatology</i> , 2017, 128, 343-358.	1.3	7
44	WRF model assessment for wind intensity and power density simulation in the southern coast of Brazil. <i>Energy</i> , 2020, 190, 116341.	4.5	7
45	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.	1.6	7
46	An epidemiological index for drought vulnerability in the Rio Grande do Norte State, Brazil. <i>International Journal of Biometeorology</i> , 2021, 65, 325-335.	1.3	5
47	Trend analysis of daily precipitation in the Brazilian Amazon. <i>Revista Brasileira De Geografia Fisica</i> , 2015, 8, 1041-1052.	0.0	5
48	Energy Balance, CO2 Balance, and Meteorological Aspects of Desertification Hotspots in Northeast Brazil. <i>Water (Switzerland)</i> , 2021, 13, 2962.	1.2	5
49	Caatinga Albedo Preserved and Replaced by Pasture in Northeast Brazil. <i>Atmosphere</i> , 2021, 12, 1622.	1.0	5
50	Evaluation of high-resolution precipitation estimate over the Amazon Basin. <i>Atmospheric Science Letters</i> , 2009, 10, 273-278.	0.8	4
51	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. <i>Revista Brasileira De Meteorologia</i> , 2011, 26, 95-107.	0.2	4
52	Improving Regional Dynamic Downscaling with Multiple Linear Regression Model Using Components Principal Analysis: Precipitation over Amazon and Northeast Brazil. <i>Advances in Meteorology</i> , 2014, 2014, 1-9.	0.6	4
53	Health-related vulnerability to climate extremes in homoclimatic zones of Amazonia and Northeast region of Brazil. <i>PLoS ONE</i> , 2021, 16, e0259780.	1.1	4
54	Improvements in precipitation simulation over South America for past and future climates via multi-model combination. <i>Climate Dynamics</i> , 2017, 49, 343-361.	1.7	3

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55	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.	0.2	3
56	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
57	Long-term meteorological drought characterization in the São Francisco watershed, Brazil: A climatic water balance approach. International Journal of Climatology, 2022, 42, 8162-8183.	1.5	3
58	Transporte de Umidade nos Climas Presente, Passado e Futuro sobre a América do Sul (Moisture) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Fisica, 2013, 6, 945.	0.0	2
59	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.	0.2	1
60	(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 ETQq0 0 0 rgBT /Overlock	0.0	0
61	A brief evaluation of the MOD17A2H product over a pasture in northeast Brazil. Remote Sensing Letters, 2021, 12, 50-57.	0.6	1
62	Avaliação de Extremos de Erosividade Causados pela Precipitação na Bacia do Rio Apodi/Mossoró-RN. Revista Brasileira De Meteorologia, 2020, 35, 871-879.	0.2	1
63	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.	0.2	0
64	CARACTERÍSTICAS DA CIRCULAÇÃO ATMOSFÉRICA E PRECIPITAÇÃO UTILIZANDO O MODELO ACOPLADO MCGA/IBIS. Boletim De Geografia, 2015, 33, 100.	0.1	0
65	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
66	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.	0.0	0
67	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.	0.0	0
68	Performance assessment of CMIP5 models in tropical South America using TOPSIS-based method. International Journal of Climatology, 0, , .	1.5	0