

# Marcelo Zeri

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,973  
citations

236925

25  
h-index

276875

41  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2944  
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	The wind regime over the Brazilian Southeast: Spatial and temporal characterization using multivariate analysis. <i>International Journal of Climatology</i> , 2022, 42, 1767-1788.	3.5	5
3	Urban rainfall in the Capitals of Brazil: Variability, trend, and wavelet analysis. <i>Atmospheric Research</i> , 2022, 267, 105984.	4.1	11
4	Aridity indices to assess desertification susceptibility: a methodological approach using gridded climate data and cartographic modeling. <i>Natural Hazards</i> , 2022, 111, 2531-2558.	3.4	10
5	Evaluating the soil moisture retrievals for agricultural drought monitoring over Brazil. , 2022, , .		0
6	Desertification susceptibility over Rio de Janeiro, Brazil, based on aridity indices and geoprocessing. <i>International Journal of Climatology</i> , 2021, 41, E2600.	3.5	6
7	Extreme rainfall events over Rio de Janeiro State, Brazil: Characterization using probability distribution functions and clustering analysis. <i>Atmospheric Research</i> , 2021, 247, 105221.	4.1	52
8	The impact of drought on soil moisture trends across Brazilian biomes. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 879-892.	3.6	10
9	Nitrous oxide fluxes over establishing biofuel crops: Characterization of temporal variability using the cross-wavelet analysis. <i>GCB Bioenergy</i> , 2020, 12, 756-770.	5.6	4
10	The history of rainfall data time-resolution in a wide variety of geographical areas. <i>Journal of Hydrology</i> , 2020, 590, 125258.	5.4	29
11	PERSIANN-CDR based characterization and trend analysis of annual rainfall in Rio De Janeiro State, Brazil. <i>Atmospheric Research</i> , 2020, 238, 104873.	4.1	29
12	Exposure assessment of rainfall to interannual variability using the wavelet transform. <i>International Journal of Climatology</i> , 2019, 39, 568-578.	3.5	20
13	Extreme Drought Events over Brazil from 2011 to 2019. <i>Atmosphere</i> , 2019, 10, 642.	2.3	194
14	Drought characterization for the state of Rio de Janeiro based on the annual SPI index: trends, statistical tests and its relation with ENSO. <i>Atmospheric Research</i> , 2019, 220, 141-154.	4.1	65
15	Evaluation of methods of spatial interpolation for monthly rainfall data over the state of Rio de Janeiro, Brazil. <i>Theoretical and Applied Climatology</i> , 2018, 134, 955-965.	2.8	31
16	Tools for Communicating Agricultural Drought over the Brazilian Semi-arid Using the Soil Moisture Index. <i>Water (Switzerland)</i> , 2018, 10, 1421.	2.7	29
17	Rainfall variability over Alagoas under the influences of SST anomalies. <i>Meteorology and Atmospheric Physics</i> , 2017, 129, 157-171.	2.0	58
18	Enhanced evapotranspiration was observed during extreme drought from Miscanthus, opposite of other crops. <i>GCB Bioenergy</i> , 2017, 9, 1306-1319.	5.6	20

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19	Multivariate analysis applied to monthly rainfall over Rio de Janeiro state, Brazil. <i>Meteorology and Atmospheric Physics</i> , 2017, 129, 469-478.	2.0	71
20	Impact of Soil Moisture on Crop Yields over Brazilian Semiarid. <i>Frontiers in Environmental Science</i> , 2017, 5, .	3.3	60
21	Assessment of the variability of pollutants concentration over the metropolitan area of São Paulo, Brazil, using the wavelet transform. <i>Atmospheric Science Letters</i> , 2016, 17, 87-95.	1.9	33
22	The influence of drought and heat stress on long-term carbon fluxes of bioenergy crops grown in the Midwestern USA. <i>Plant, Cell and Environment</i> , 2016, 39, 1928-1940.	5.7	36
23	Contribution of coherent structures to the buoyancy heat flux under different conditions of stationarity over Amazonian forest sites. <i>Atmospheric Science Letters</i> , 2015, 16, 228-233.	1.9	1
24	Greenness indices from digital cameras predict the timing and seasonal dynamics of canopy-scale photosynthesis. <i>Ecological Applications</i> , 2015, 25, 99-115.	3.8	129
25	Variability of Carbon and Water Fluxes Following Climate Extremes over a Tropical Forest in Southwestern Amazonia. <i>PLoS ONE</i> , 2014, 9, e88130.	2.5	39
26	Cluster analysis applied to the spatial and temporal variability of monthly rainfall in Alagoas state, Northeast of Brazil. <i>International Journal of Climatology</i> , 2014, 34, 3546-3558.	3.5	117
27	Impacts of herbaceous bioenergy crops on atmospheric volatile organic composition and potential consequences for global climate change. <i>GCB Bioenergy</i> , 2013, 5, 375-383.	5.6	12
28	Inter-annual variability of carbon and water fluxes in Amazonian forest, Cerrado and pasture sites, as simulated by terrestrial biosphere models. <i>Agricultural and Forest Meteorology</i> , 2013, 182-183, 145-155.	4.8	30
29	Water use efficiency of perennial and annual bioenergy crops in central Illinois. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2013, 118, 581-589.	3.0	71
30	Altered Belowground Carbon Cycling Following Land-Use Change to Perennial Bioenergy Crops. <i>Ecosystems</i> , 2013, 16, 508-520.	3.4	132
31	Estimating Buoyancy Heat Flux Using the Surface Renewal Technique over Four Amazonian Forest Sites in Brazil. <i>Boundary-Layer Meteorology</i> , 2013, 149, 179-196.	2.3	7
32	Gap filling strategies and error in estimating annual soil respiration. <i>Global Change Biology</i> , 2013, 19, 1941-1952.	9.5	54
33	A regional comparison of water use efficiency for miscanthus, switchgrass and maize. <i>Agricultural and Forest Meteorology</i> , 2012, 164, 82-95.	4.8	120
34	Carbon exchange by establishing biofuel crops in Central Illinois. <i>Agriculture, Ecosystems and Environment</i> , 2011, 144, 319-329.	5.3	115
35	Horizontal and Vertical Turbulent Fluxes Forced by a Gravity Wave Event in the Nocturnal Atmospheric Surface Layer Over the Amazon Forest. <i>Boundary-Layer Meteorology</i> , 2011, 138, 413-431.	2.3	27
36	Spatiotemporal analysis of particulate matter, sulfur dioxide and carbon monoxide concentrations over the city of Rio de Janeiro, Brazil. <i>Meteorology and Atmospheric Physics</i> , 2011, 113, 139-152.	2.0	37

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37	Scale dependence of coherent structures' contribution to the daytime buoyancy heat flux over the Pantanal wetland, Brazil. Atmospheric Science Letters, 2011, 12, 200-206.	1.9	10
38	Treatment and assessment of the CO <sub>2</sub> -exchange at a complex forest site in Thuringia, Germany. Agricultural and Forest Meteorology, 2010, 150, 684-691.	4.8	46
39	Analysis of periods with strong and coherent CO <sub>2</sub> advection over a forested hill. Agricultural and Forest Meteorology, 2010, 150, 674-683.	4.8	20
40	The impact of data gaps and quality control filtering on the balances of energy and carbon for a Southwest Amazon forest. Agricultural and Forest Meteorology, 2010, 150, 1543-1552.	4.8	20
41	A new mass conservation approach to the study of CO <sub>2</sub> advection in an alpine forest. Journal of Geophysical Research, 2009, 114, .	3.3	69
42	Comparison of horizontal and vertical advective CO <sub>2</sub> fluxes at three forest sites. Agricultural and Forest Meteorology, 2008, 148, 12-24.	4.8	136