

Michel D S D S Mesquita

List of Publications by Year in descending order

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33
papers

1,087
citations

516710

16
h-index

477307

29
g-index

34
all docs

34
docs citations

34
times ranked

1962
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of cloud and water vapor simulations in CMIP5 climate models using NASA "Train" satellite observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	316
2	A review on Northern Hemisphere sea-ice, storminess and the North Atlantic Oscillation: Observations and projected changes. <i>Atmospheric Research</i> , 2011, 101, 809-834.	4.1	185
3	Diagnosis of regime-dependent cloud simulation errors in CMIP5 models using "Train" satellite observations and reanalysis data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2762-2780.	3.3	90
4	Present and future offshore wind power potential in northern Europe based on downscaled global climate runs with adjusted SST and sea ice cover. <i>Renewable Energy</i> , 2012, 44, 398-405.	8.9	58
5	Evaluating the present annual water budget of a Himalayan headwater river basin using a high-resolution atmosphere-hydrology model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4786-4807.	3.3	51
6	Characteristics and Variability of Storm Tracks in the North Pacific, Bering Sea, and Alaska*. <i>Journal of Climate</i> , 2010, 23, 294-311.	3.2	49
7	New vigour involving statisticians to overcome ensemble fatigue. <i>Nature Climate Change</i> , 2017, 7, 697-703.	18.8	31
8	New perspectives on the synoptic development of the severe October 1992 Nome storm. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	27
9	Climatological properties of summertime extra-tropical storm tracks in the Northern Hemisphere. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2008, 60, 557-569.	1.7	25
10	Atmospheric winter response to a projected future Antarctic sea-ice reduction: a dynamical analysis. <i>Climate Dynamics</i> , 2013, 40, 2707-2718.	3.8	25
11	Spatial synchrony in subarctic geometrid moth outbreaks reflects dispersal in larval and adult life cycle stages. <i>Journal of Animal Ecology</i> , 2019, 88, 1134-1145.	2.8	24
12	Numerical Simulations of the 1 May 2012 Deep Convection Event over Cuba: Sensitivity to Cumulus and Microphysical Schemes in a High-Resolution Model. <i>Advances in Meteorology</i> , 2015, 2015, 1-16.	1.6	22
13	Sea-ice anomalies in the Sea of Okhotsk and the relationship with storm tracks in the Northern Hemisphere during winter. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2011, 63, 312-323.	1.7	20
14	There is more to climate than the North Atlantic Oscillation: a new perspective from climate dynamics to explain the variability in population growth rates of a long-lived seabird. <i>Frontiers in Ecology and Evolution</i> , 2015, 3, .	2.2	18
15	Patterns of Dekadal Rainfall Variation Over a Selected Region in Lake Victoria Basin, Uganda. <i>Atmosphere</i> , 2016, 7, 150.	2.3	18
16	Modelled and observed sea surface temperature trends for the Caribbean and Antilles. <i>International Journal of Climatology</i> , 2016, 36, 1873-1886.	3.5	18
17	Improving Quantitative Rainfall Prediction Using Ensemble Analogues in the Tropics: Case Study of Uganda. <i>Atmosphere</i> , 2018, 9, 328.	2.3	18
18	Centennial relationships between ocean temperature and Atlantic puffin production reveal shifting decennial trends. <i>Global Change Biology</i> , 2021, 27, 3753-3764.	9.5	18

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19	Southern Hemisphere strong polar mesoscale cyclones in high-resolution datasets. <i>Climate Dynamics</i> , 2016, 47, 1647-1660.	3.8	16
20	Maximum covariance analysis to identify intraseasonal oscillations over tropical Brazil. <i>Climate Dynamics</i> , 2017, 49, 1583-1596.	3.8	13
21	Comparison of Parametric and Nonparametric Methods for Analyzing the Bias of a Numerical Model. <i>Modelling and Simulation in Engineering</i> , 2016, 2016, 1-7.	0.7	8
22	Environmental energetics of an exceptional high-latitude storm. <i>Atmospheric Science Letters</i> , 2010, 11, 39-45.	1.9	7
23	Multivariate intraseasonal rainfall index applied to South America. <i>Meteorological Applications</i> , 2019, 26, 521-527.	2.1	6
24	Helping to Make Sense of Regional Climate Modeling: Professional Development for Scientists and Decision-Makers Anytime, Anywhere. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1173-1185.	3.3	5
25	A Surface-Layer Study of the Transport and Dissipation of Turbulent Kinetic Energy and the Variances of Temperature, Humidity and CO ₂ . <i>Boundary-Layer Meteorology</i> , 2017, 165, 211-231.	2.3	5
26	How well does the European Centre for Medium-Range Weather Forecasting Interim Reanalysis represent the surface air temperature in Cuban weather stations?. <i>International Journal of Climatology</i> , 2018, 38, 1216-1233.	3.5	4
27	Investigating teleconnection patterns associated with the rainy season of the northern northeast Brazil using a hidden Markov model. <i>Climate Dynamics</i> , 2020, 55, 2075-2088.	3.8	4
28	Capacity Building for the Caribbean Region. <i>Eos</i> , 2013, 94, 264-264.	0.1	2
29	Using Social Media to Improve Peer Dialogue in an Online Course About Regional Climate Modeling. <i>International Journal of Online Pedagogy and Course Design</i> , 2018, 8, 1-21.	0.4	2
30	Challenges in Forecasting Water Resources of the Indus River Basin: Lessons From the Analysis and Modeling of Atmospheric and Hydrological Processes. , 2019, , 57-83.		1
31	Norway and Cuba Continue Collaborating to Build Capacity to Improve Weather Forecasting. <i>Eos</i> , 2014, 95, 205-205.	0.1	0
32	Cold case: The death of common guillemots in the Barents Sea. <i>Significance</i> , 2016, 13, 28-33.	0.4	0
33	Sea-ice anomalies in the Sea of Okhotsk and the relationship with storm tracks in the Northern Hemisphere during winter. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2011, , .	1.7	0