

Francina Dominguez

List of Publications by Year in descending order

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62
papers

3,359
citations

172457

29
h-index

144013

57
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66
all docs

66
docs citations

66
times ranked

3893
citing authors

#	ARTICLE	IF	CITATIONS
1	The Orinoco Low-Level Jet and the Cross-Equatorial Moisture Transport Over Tropical South America: Lessons From Seasonal WRF Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	6
2	Amazonian Moisture Recycling Revisited Using WRF With Water Vapor Tracers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	17
3	The Amazon and La Plata River Basins as Moisture Sources of South America: Climatology and Intraseasonal Variability. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	5
4	Hydrometeorological Observations and Modeling of an Extreme Rainfall Event Using WRF and WRF-Hydro during the RELAMPAGO Field Campaign in Argentina. <i>Journal of Hydrometeorology</i> , 2021, 22, 331-351.	1.9	14
5	Investigating the Effects of Land Use Change on Subsurface, Surface, and Atmospheric Branches of the Hydrologic Cycle in Central Argentina. <i>Water Resources Research</i> , 2021, 57, e2021WR029704.	4.2	5
6	Recent progress on the sources of continental precipitation as revealed by moisture transport analysis. <i>Earth-Science Reviews</i> , 2020, 201, 103070.	9.1	71
7	Two-Layer Dynamic Recycling Model (2L-DRM): Learning from Moisture Tracking Models of Different Complexity. <i>Journal of Hydrometeorology</i> , 2020, 21, 3-16.	1.9	32
8	Structure of an Atmospheric River Over Australia and the Southern Ocean. Part I: Tropical and Midlatitude Water Vapor Fluxes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032513.	3.3	11
9	Changes in South American hydroclimate under projected Amazonian deforestation. <i>Annals of the New York Academy of Sciences</i> , 2020, 1472, 104-122.	3.8	27
10	Isolating the Observed Influence of Vegetation Variability on the Climate of La Plata River Basin. <i>Journal of Climate</i> , 2019, 32, 4473-4490.	3.2	10
11	Investigating Land Surface Effects on the Moisture Transport over South America with a Moisture Tagging Model. <i>Journal of Climate</i> , 2019, 32, 6627-6644.	3.2	37
12	Irrigation Impact on Water and Energy Cycle During Dry Years Over the United States Using Convection-Permitting WRF and a Dynamical Recycling Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11220-11241.	3.3	34
13	Role of Moisture Transport and Recycling in Characterizing Droughts: Perspectives from Two Recent U.S. Droughts and the CFSv2 System. <i>Journal of Hydrometeorology</i> , 2019, 20, 139-154.	1.9	22
14	Extreme Precipitation Spatial Analog: In Search of an Alternative Approach for Future Extreme Precipitation in Urban Hydrological Studies. <i>Water (Switzerland)</i> , 2019, 11, 1032.	2.7	5
15	Reduced Moisture Transport Linked to Drought Propagation Across North America. <i>Geophysical Research Letters</i> , 2019, 46, 5243-5253.	4.0	64
16	Understanding the Role of Tropical Moisture in Atmospheric Rivers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13826-13842.	3.3	13
17	Large and local-scale features associated with heat waves in the United States in reanalysis products and the NARCCAP model ensemble. <i>Climate Dynamics</i> , 2019, 52, 1883-1901.	3.8	8
18	Variability of regional atmospheric moisture over Northern South America: patterns and underlying phenomena. <i>Climate Dynamics</i> , 2019, 52, 893-911.	3.8	19

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19	Moisture origin and transport processes in Colombia, northern South America. <i>Climate Dynamics</i> , 2018, 50, 971-990.	3.8	69
20	Extreme Landfalling Atmospheric River Events in Arizona: Possible Future Changes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7076-7097.	3.3	12
21	Tracking an atmospheric river in a warmer climate: from water vapor to economic impacts. <i>Earth System Dynamics</i> , 2018, 9, 249-266.	7.1	31
22	A Numerical Water Tracer Model for Understanding Event-Scale Hydrometeorological Phenomena. <i>Journal of Hydrometeorology</i> , 2018, 19, 947-967.	1.9	8
23	Linking Atmospheric River Hydrological Impacts on the U.S. West Coast to Rossby Wave Breaking. <i>Journal of Climate</i> , 2017, 30, 3381-3399.	3.2	68
24	Impact of Irrigation over the California Central Valley on Regional Climate. <i>Journal of Hydrometeorology</i> , 2017, 18, 1341-1357.	1.9	46
25	Framework for incorporating climate change on flood magnitude and frequency analysis in the upper Santa Cruz River. <i>Journal of Hydrology</i> , 2017, 549, 194-207.	5.4	16
26	Role of Oceanic and Land Moisture Sources and Transport in the Seasonal and Interannual Variability of Summer Monsoon in India. <i>Journal of Climate</i> , 2017, 30, 1839-1859.	3.2	82
27	How Might Recharge Change Under Projected Climate Change in the Western U.S.?. <i>Geophysical Research Letters</i> , 2017, 44, 10407-10418.	4.0	38
28	Observed Hydrologic Impacts of Landfalling Atmospheric Rivers in the Salt and Verde River Basins of Arizona, United States. <i>Water Resources Research</i> , 2017, 53, 10025-10042.	4.2	26
29	Evaluation of the moisture sources in two extreme landfalling atmospheric river events using an Eulerian WRF tracers tool. <i>Earth System Dynamics</i> , 2017, 8, 1247-1261.	7.1	35
30	Major Mechanisms of Atmospheric Moisture Transport and Their Role in Extreme Precipitation Events. <i>Annual Review of Environment and Resources</i> , 2016, 41, 117-141.	13.4	177
31	Impacts of a Groundwater Scheme on Hydroclimatological Conditions over Southern South America. <i>Journal of Hydrometeorology</i> , 2016, 17, 2959-2978.	1.9	13
32	Effects of a Groundwater Scheme on the Simulation of Soil Moisture and Evapotranspiration over Southern South America. <i>Journal of Hydrometeorology</i> , 2016, 17, 2941-2957.	1.9	25
33	Projected changes in atmospheric river events in Arizona as simulated by global and regional climate models. <i>Climate Dynamics</i> , 2016, 47, 1673-1691.	3.8	5
34	WRF with Water Vapor Tracers: A Study of Moisture Sources for the North American Monsoon. <i>Journal of Hydrometeorology</i> , 2016, 17, 1915-1927.	1.9	58
35	The Impact of Climate Change on Agriculture in the Southwestern United States: The Ricardian Approach Revisited. <i>Spatial Economic Analysis</i> , 2016, 11, 46-66.	1.6	30
36	Sensitivity of regional evapotranspiration partitioning to variation in woody plant cover: insights from experimental dryland tree mosaics. <i>Global Ecology and Biogeography</i> , 2015, 24, 1040-1048.	5.8	28

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37	The more extreme nature of U.S. warm season climate in the recent observational record and two well-performing dynamically downscaled CMIP3 models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8244-8263.	3.3	25
38	Evaluation of Oceanic and Terrestrial Sources of Moisture for the North American Monsoon Using Numerical Models and Precipitation Stable Isotopes. <i>Journal of Hydrometeorology</i> , 2015, 16, 19-35.	1.9	66
39	Dominating Controls for Wetter South Asian Summer Monsoon in the Twenty-First Century. <i>Journal of Climate</i> , 2015, 28, 3400-3419.	3.2	34
40	A climate change projection for summer hydrologic conditions in a semiarid watershed of central Arizona. <i>Journal of Arid Environments</i> , 2015, 118, 9-20.	2.4	15
41	Physical Mechanisms Related to Climate-Induced Drying of Two Semiarid Watersheds in the Southwestern United States. <i>Journal of Hydrometeorology</i> , 2014, 15, 1404-1418.	1.9	6
42	Atmospheric Rivers and Cool Season Extreme Precipitation Events in the Verde River Basin of Arizona. <i>Journal of Hydrometeorology</i> , 2014, 15, 813-829.	1.9	49
43	Sources of Atmospheric Moisture for the La Plata River Basin*. <i>Journal of Climate</i> , 2014, 27, 6737-6753.	3.2	123
44	Dominant patterns of US warm season precipitation variability in a fine resolution observational record, with focus on the southwest. <i>International Journal of Climatology</i> , 2014, 34, 687-707.	3.5	25
45	Inland water bodies in Chile can locally increase rainfall intensity. <i>Journal of Hydrology</i> , 2013, 481, 56-63.	5.4	19
46	Characterizing the water extremes of the new century in the US South-west: a comprehensive assessment from state-of-the-art climate model projections. <i>International Journal of Water Resources Development</i> , 2013, 29, 152-171.	2.0	13
47	Effects of spatial resolution in the simulation of daily and subdaily precipitation in the southwestern US. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7591-7605.	3.3	63
48	Can a Regional Climate Model Improve the Ability to Forecast the North American Monsoon?. <i>Journal of Climate</i> , 2012, 25, 8212-8237.	3.2	82
49	Oceanic and terrestrial sources of continental precipitation. <i>Reviews of Geophysics</i> , 2012, 50, .	23.0	384
50	Urban precipitation extremes: How reliable are regional climate models?. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	50
51	Changes in winter precipitation extremes for the western United States under a warmer climate as simulated by regional climate models. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	119
52	Seasonalizing Mountain System Recharge in Semi-Arid Basins—Climate Change Impacts. <i>Ground Water</i> , 2012, 50, 585-597.	1.3	26
53	Downscaling climate variability associated with quasi-periodic climate signals: A new statistical approach using MSSA. <i>Journal of Hydrology</i> , 2011, 398, 65-75.	5.4	13
54	IPCC-AR4 climate simulations for the Southwestern US: the importance of future ENSO projections. <i>Climatic Change</i> , 2010, 99, 499-514.	3.6	79

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55	Snow days? Snowmaking adaptation and the future of low latitude, high elevation skiing in Arizona, USA. <i>Climatic Change</i> , 2010, 102, 467-491.	3.6	47
56	Evidence of enhanced precipitation due to irrigation over the Great Plains of the United States. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	214
57	A formal framework for scenario development in support of environmental decision-making. <i>Environmental Modelling and Software</i> , 2009, 24, 798-808.	4.5	284
58	Spatial extent of the North American Monsoon: Increased cross-regional linkages via atmospheric pathways. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	37
59	Precipitation Recycling Variability and Ecoclimatological Stability—A Study Using NARR Data. Part II: North American Monsoon Region. <i>Journal of Climate</i> , 2008, 21, 5187-5203.	3.2	110
60	Precipitation Recycling Variability and Ecoclimatological Stability—A Study Using NARR Data. Part I: Central U.S. Plains Ecoregion. <i>Journal of Climate</i> , 2008, 21, 5165-5186.	3.2	68
61	Impact of Atmospheric Moisture Storage on Precipitation Recycling. <i>Journal of Climate</i> , 2006, 19, 1513-1530.	3.2	216
62	Dominant Modes of Moisture Flux Anomalies over North America. <i>Journal of Hydrometeorology</i> , 2005, 6, 194-209.	1.9	25