

Vasubandhu Misra

List of Publications by Year in descending order

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91
papers

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citations

394421

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docs citations

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times ranked

1395
citing authors

#	ARTICLE	IF	CITATIONS
1	The seasonal predictability of the wet season over Peninsular Florida. <i>International Journal of Climatology</i> , 2022, 42, 3408-3417.	3.5	2
2	A high resolution coupled ocean-atmosphere simulation of the regional climate over Central America. <i>Climate Dynamics</i> , 2022, 58, 2981-3001.	3.8	3
3	Operational Monitoring of the Evolution of Rainy Season Over Florida. <i>Frontiers in Climate</i> , 2022, 4, .	2.8	1
4	Assessing the Value of a Regional Climate Model's Rainfall Forecasts in Improving Dry-Season Streamflow Predictions. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2022, 148, .	2.6	2
5	The impact of air-sea coupling on the simulation of the hydroclimatic change over Peninsular Florida. <i>Climate Dynamics</i> , 2022, 59, 3763-3779.	3.8	1
6	High-resolution dynamically downscaled rainfall and temperature projections for ecological life zones within Puerto Rico and for the U.S. Virgin Islands. <i>International Journal of Climatology</i> , 2021, 41, 1305-1327.	3.5	8
7	Influence of Intraseasonal Variability on the Development of Monsoon Depressions. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090425.	4.0	13
8	The Florida Water and Climate Alliance (FloridaWCA): Developing a Stakeholder-Scientist Partnership to Create Actionable Science in Climate Adaptation and Water Resource Management. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E367-E382.	3.3	9
9	Characterizing the Local Variations of the Northern Australian Rainy Season. <i>Monthly Weather Review</i> , 2021, 149, 3995-4004.	1.4	2
10	Understanding the seasonal variations of Peninsular Florida. <i>Climate Dynamics</i> , 2020, 54, 1873-1885.	3.8	4
11	Differences in Northward Propagation of Convection Over the Arabian Sea and Bay of Bengal During Boreal Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031648.	3.3	15
12	The fidelity of a regional coupled model in capturing the relationship between intraseasonal variability and the onset/demise of the Indian summer monsoon. <i>Climate Dynamics</i> , 2020, 54, 4693-4710.	3.8	3
13	On the Role of Pacific-Atlantic SST Contrast and Associated Caribbean Sea Convection in August-October U.S. Regional Rainfall Variability. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087736.	4.0	6
14	The role of extreme rain events in Peninsular Florida's seasonal hydroclimate variations. <i>Journal of Hydrology</i> , 2020, 589, 125182.	5.4	3
15	The impact of varying seasonal lengths of the rainy seasons of India on its teleconnections with tropical sea surface temperatures. <i>Atmospheric Science Letters</i> , 2020, 21, e959.	1.9	4
16	Characterizing the Seasonal Cycle of the Northern Australian Rainy Season. <i>Journal of Climate</i> , 2020, 33, 8957-8973.	3.2	6
17	Understanding the interannual variations of the zonal mean Indian summer monsoon seasonal rainfall. <i>Climate Dynamics</i> , 2019, 53, 5547-5559.	3.8	0
18	Monitoring the Indian Summer Monsoon Evolution at the Granularity of the Indian Meteorological Sub-divisions using Remotely Sensed Rainfall Products. <i>Remote Sensing</i> , 2019, 11, 1080.	4.0	6

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19	The Relation of Intraseasonal Variations With Local Onset and Demise of the Indian Summer Monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2483-2506.	3.3	21
20	Defining the Northeast Monsoon of India. <i>Monthly Weather Review</i> , 2019, 147, 791-807.	1.4	16
21	The role of air-sea coupling in the downscaled hydroclimate projection over Peninsular Florida and the West Florida Shelf. <i>Climate Dynamics</i> , 2019, 53, 2931-2947.	3.8	5
22	A coupled ocean-atmosphere downscaled climate projection for the peninsular Florida region. <i>Journal of Marine Systems</i> , 2019, 194, 25-40.	2.1	14
23	Characterizing the Variations of the motion of the North Atlantic tropical cyclones. <i>Meteorology and Atmospheric Physics</i> , 2019, 131, 225-236.	2.0	2
24	Integrated Kinetic Energy in North Atlantic Tropical Cyclones: Climatology, Analysis, and Seasonal Applications. <i>Hurricane Risk B</i> , 2019, , 43-69.	0.5	1
25	Downscaling future climate change projections over Puerto Rico using a non-hydrostatic atmospheric model. <i>Climatic Change</i> , 2018, 147, 133-147.	3.6	27
26	Integrated kinetic energy of Atlantic tropical cyclones in a global ocean surface wind analysis. <i>International Journal of Climatology</i> , 2018, 38, 2651-2661.	3.5	6
27	Simulation of the Intraseasonal Variations of the Indian Summer Monsoon in a Regional Coupled Ocean-Atmosphere Model. <i>Journal of Climate</i> , 2018, 31, 3167-3185.	3.2	21
28	Characterizing the rainy season of Peninsular Florida. <i>Climate Dynamics</i> , 2018, 51, 2157-2167.	3.8	11
29	Local onset and demise of the Indian summer monsoon. <i>Climate Dynamics</i> , 2018, 51, 1609-1622.	3.8	29
30	The potential role of land cover on secular changes of the hydroclimate of Peninsular Florida. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	6.8	9
31	Ice versus liquid water saturation in simulations of the Indian summer monsoon. <i>Climate Dynamics</i> , 2018, 51, 3847-3863.	3.8	3
32	The impact of an extreme case of irrigation on the southeastern United States climate. <i>Climate Dynamics</i> , 2017, 48, 1309-1327.	3.8	3
33	Understanding the Variations of the Length and the Seasonal Rainfall Anomalies of the Indian Summer Monsoon. <i>Journal of Climate</i> , 2017, 30, 1753-1763.	3.2	10
34	High-resolution regional coupled ocean-atmosphere simulation of the Indian Summer Monsoon. <i>International Journal of Climatology</i> , 2017, 37, 717-740.	3.5	14
35	Coupled ocean-atmosphere modeling and predictions. <i>Journal of Marine Research</i> , 2017, 75, 361-402.	0.3	13
36	Terrestrial and Ocean Climate of the 20th Century. , 2017, , .		3

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37	Florida Climate Variability and Prediction. , 2017, , .		7
38	The oceanic influence on the rainy season of Peninsular Florida. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7691-7709.	3.3	17
39	The sensitivity of southeastern United States climate to varying irrigation vigor. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7606-7621.	3.3	7
40	The sensitivity of the regional coupled ocean-atmosphere simulations over the Intra-Americas seas to the prescribed bathymetry. Dynamics of Atmospheres and Oceans, 2016, 76, 29-51.	1.8	10
41	Hindcasts of Integrated Kinetic Energy in Atlantic Tropical Cyclones: A Neural Network Prediction Scheme. Monthly Weather Review, 2016, 144, 4591-4603.	1.4	9
42	Characterizing the onset and demise of the Indian summer monsoon. Geophysical Research Letters, 2016, 43, 4547-4554.	4.0	74
43	The warm pool variability of the tropical northeast Pacific. International Journal of Climatology, 2016, 36, 4625-4637.	3.5	12
44	Reconciling droughts and landfalling tropical cyclones in the Southeastern United States. Climate Dynamics, 2016, 46, 1277-1286.	3.8	11
45	Simulating diurnal variations over the southeastern United States. Journal of Geophysical Research D: Atmospheres, 2015, 120, 180-198.	3.3	10
46	Does decadal climate variation influence wheat and maize production in the southeast USA?. Agricultural and Forest Meteorology, 2015, 204, 1-9.	4.8	21
47	Statistical Prediction of Integrated Kinetic Energy in North Atlantic Tropical Cyclones. Monthly Weather Review, 2014, 142, 4646-4657.	1.4	11
48	The seasonal predictability of the Asian summer monsoon in a two-tiered forecast system. Climate Dynamics, 2014, 42, 2491-2507.	3.8	6
49	Global seasonal climate predictability in a two tiered forecast system. Part II: boreal winter and spring seasons. Climate Dynamics, 2014, 42, 1449-1468.	3.8	6
50	Global seasonal climate predictability in a two tiered forecast system: part I: boreal summer and fall seasons. Climate Dynamics, 2014, 42, 1425-1448.	3.8	12
51	A high-resolution ocean-atmosphere coupled downscaling of the present climate over California. Climate Dynamics, 2014, 42, 701-714.	3.8	32
52	Projected climate change scenario over California by a regional ocean-atmosphere coupled model system. Climatic Change, 2014, 122, 609-619.	3.6	41
53	Thirty-two-year ocean-atmosphere coupled downscaling of global reanalysis over the Intra-American Seas. Climate Dynamics, 2014, 43, 2471-2489.	3.8	20
54	The precursors in the Intra-Americas Seas to seasonal climate variations over North America. Journal of Geophysical Research: Oceans, 2014, 119, 2938-2948.	2.6	11

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55	The seasonal climate predictability of the Atlantic Warm Pool and its teleconnections. <i>Geophysical Research Letters</i> , 2014, 41, 661-666.	4.0	12
56	Evaluation of dynamically downscaled reanalysis precipitation data for hydrological application. <i>Hydrological Processes</i> , 2014, 28, 1989-2002.	2.6	42
57	Predictability of dry season reforecasts over the tropical and the subtropical South American region. <i>International Journal of Climatology</i> , 2013, 33, 1237-1247.	3.5	2
58	A multi-disciplinary assessment of the southeastern United States climate. <i>Regional Environmental Change</i> , 2013, 13, 1-3.	2.9	2
59	Evaluation of twentieth-century Atlantic Warm Pool simulations in historical CMIP5 runs. <i>Climate Dynamics</i> , 2013, 41, 2375-2391.	3.8	13
60	The rendition of the Atlantic Warm Pool in the reanalyses. <i>Climate Dynamics</i> , 2013, 41, 517-532.	3.8	6
61	Understanding the wet season variations over Florida. <i>Climate Dynamics</i> , 2013, 40, 1361-1372.	3.8	27
62	The El Niño and Southern Oscillation in the historical centennial integrations of the new generation of climate models. <i>Regional Environmental Change</i> , 2013, 13, 121-130.	2.9	10
63	Evaluating the fidelity of downscaled climate data on simulated wheat and maize production in the southeastern US. <i>Regional Environmental Change</i> , 2013, 13, 101-110.	2.9	15
64	On the twenty-first-century wet season projections over the Southeastern United States. <i>Regional Environmental Change</i> , 2013, 13, 153-164.	2.9	12
65	Seasonal Hydrological Forecasts for Watersheds over the Southeastern United States for the Boreal Summer and Fall Seasons. <i>Earth Interactions</i> , 2013, 17, 1-22.	1.5	17
66	Sensitivity of Hydrological Simulations of Southeastern United States Watersheds to Temporal Aggregation of Rainfall. <i>Journal of Hydrometeorology</i> , 2013, 14, 1334-1344.	1.9	15
67	A comparative study of the Indian summer monsoon hydroclimate and its variations in three reanalyses. <i>Climate Dynamics</i> , 2012, 39, 1149-1168.	3.8	34
68	Reconstructing the 20th century high-resolution climate of the southeastern United States. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	16
69	A proxy for high-resolution regional reanalysis for the Southeast United States: assessment of precipitation variability in dynamically downscaled reanalyses. <i>Climate Dynamics</i> , 2012, 38, 2449-2466.	3.8	45
70	Hindcast skill and predictability for precipitation and two-meter air temperature anomalies in global circulation models over the Southeast United States. <i>Climate Dynamics</i> , 2012, 38, 161-173.	3.8	19
71	A modeling study of the interaction between the Atlantic Warm Pool, the tropical Atlantic easterlies, and the Lesser Antilles. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	16
72	The influence of the Atlantic Warm Pool on the Florida panhandle sea breeze. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	34

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73	Dynamic Downscaling of the North American Monsoon with the NCEPâ€“Scripps Regional Spectral Model from the NCEP CFS Global Model. <i>Journal of Climate</i> , 2011, 24, 653-673.	3.2	13
74	A Diagnosis of the 1979â€“2005 Extreme Rainfall Events in the Southeastern United States with Isentropic Moisture Tracing. <i>Monthly Weather Review</i> , 2010, 138, 1172-1185.	1.4	31
75	Interaction of interannual and diurnal variations over equatorial Africa. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	7
76	Air, Sea, and Land Interactions of the Continental U.S. Hydroclimate. <i>Journal of Hydrometeorology</i> , 2009, 10, 353-373.	1.9	11
77	The coupled seasonal hindcasts of the South American monsoon. <i>International Journal of Climatology</i> , 2009, 29, 1101-1115.	3.5	2
78	Airâ€“sea interaction over the Atlantic warm pool in the NCEP CFS. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	28
79	Seasonal predictability of the Atlantic Warm Pool in the NCEP CFS. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	2
80	Harvesting model uncertainty for the simulation of interannual variability. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	2
81	Coupled interactions of the monsoons. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	23
82	A Comparison of Climate Prediction and Simulation over the Tropical Pacific. <i>Journal of Climate</i> , 2008, 21, 3601-3611.	3.2	9
83	Addressing the Issue of Systematic Errors in a Regional Climate Model. <i>Journal of Climate</i> , 2007, 20, 801-818.	3.2	24
84	A sensitivity study of the coupled simulation of the Northeast Brazil rainfall variability. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	7
85	Manifestation of remote response over the equatorial Pacific in a climate model. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	10
86	Validating and understanding the ENSO simulation in two coupled climate models. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2007, 59, 292-308.	1.7	30
87	Understanding the predictability of seasonal precipitation over northeast Brazil. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2006, 58, 307-319.	1.7	13
88	Anomaly Nesting: A Methodology to Downscale Seasonal Climate Simulations from AGCMs. <i>Journal of Climate</i> , 2004, 17, 3249-3262.	3.2	40
89	An Evaluation of the Predictability of Austral Summer Season Precipitation over South America. <i>Journal of Climate</i> , 2004, 17, 1161-1175.	3.2	18
90	Dynamic Downscaling of Seasonal Simulations over South America. <i>Journal of Climate</i> , 2003, 16, 103-117.	3.2	73

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91	Tropical-middle latitude interactions viewed via wave energy flux in the frequency domain. Dynamics of Atmospheres and Oceans, 1998, 27, 383-412.	1.8	4