

Vasubandhu Misra

List of Publications by Year in descending order

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91
papers

1,298
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394421

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93
docs citations

93
times ranked

1395
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Characterizing the onset and demise of the Indian summer monsoon. <i>Geophysical Research Letters</i> , 2016, 43, 4547-4554. | 4.0 | 74 |
| 2 | Dynamic Downscaling of Seasonal Simulations over South America. <i>Journal of Climate</i> , 2003, 16, 103-117. | 3.2 | 73 |
| 3 | 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 |
| 4 | Evaluation of dynamically downscaled reanalysis precipitation data for hydrological application. <i>Hydrological Processes</i> , 2014, 28, 1989-2002. | 2.6 | 42 |
| 5 | Projected climate change scenario over California by a regional ocean-atmosphere coupled model system. <i>Climatic Change</i> , 2014, 122, 609-619. | 3.6 | 41 |
| 6 | Anomaly Nesting: A Methodology to Downscale Seasonal Climate Simulations from AGCMs. <i>Journal of Climate</i> , 2004, 17, 3249-3262. | 3.2 | 40 |
| 7 | The influence of the Atlantic Warm Pool on the Florida panhandle sea breeze. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 34 |
| 8 | 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 |
| 9 | A high-resolution ocean-atmosphere coupled downscaling of the present climate over California. <i>Climate Dynamics</i> , 2014, 42, 701-714. | 3.8 | 32 |
| 10 | A Diagnosis of the 1979-2005 Extreme Rainfall Events in the Southeastern United States with Isentropic Moisture Tracing. <i>Monthly Weather Review</i> , 2010, 138, 1172-1185. | 1.4 | 31 |
| 11 | 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 |
| 12 | Local onset and demise of the Indian summer monsoon. <i>Climate Dynamics</i> , 2018, 51, 1609-1622. | 3.8 | 29 |
| 13 | Air-sea interaction over the Atlantic warm pool in the NCEP CFS. <i>Geophysical Research Letters</i> , 2009, 36, . | 4.0 | 28 |
| 14 | Understanding the wet season variations over Florida. <i>Climate Dynamics</i> , 2013, 40, 1361-1372. | 3.8 | 27 |
| 15 | 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 |
| 16 | Addressing the Issue of Systematic Errors in a Regional Climate Model. <i>Journal of Climate</i> , 2007, 20, 801-818. | 3.2 | 24 |
| 17 | Coupled interactions of the monsoons. <i>Geophysical Research Letters</i> , 2008, 35, . | 4.0 | 23 |
| 18 | Does decadal climate variation influence wheat and maize production in the southeast USA?. <i>Agricultural and Forest Meteorology</i> , 2015, 204, 1-9. | 4.8 | 21 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Thirty-two-year ocean–atmosphere coupled downscaling of global reanalysis over the Intra-American Seas. <i>Climate Dynamics</i> , 2014, 43, 2471-2489. | 3.8 | 20 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | The oceanic influence on the rainy season of Peninsular Florida. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7691-7709. | 3.3 | 17 |
| 26 | 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 |
| 27 | Reconstructing the 20th century high-resolution climate of the southeastern United States. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 16 |
| 28 | Defining the Northeast Monsoon of India. <i>Monthly Weather Review</i> , 2019, 147, 791-807. | 1.4 | 16 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Dynamic Downscaling of the North American Monsoon with the NCEP–Scripps Regional Spectral Model from the NCEP CFS Global Model. <i>Journal of Climate</i> , 2011, 24, 653-673. | 3.2 | 13 |
| 36 | Evaluation of twentieth-century Atlantic Warm Pool simulations in historical CMIP5 runs. <i>Climate Dynamics</i> , 2013, 41, 2375-2391. | 3.8 | 13 |

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|----|--|-----|-----------|
| 37 | Coupled ocean-atmosphere modeling and predictions. <i>Journal of Marine Research</i> , 2017, 75, 361-402. | 0.3 | 13 |
| 38 | Influence of Intraseasonal Variability on the Development of Monsoon Depressions. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090425. | 4.0 | 13 |
| 39 | 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 |
| 40 | Global seasonal climate predictability in a two tiered forecast system: part I: boreal summer and fall seasons. <i>Climate Dynamics</i> , 2014, 42, 1425-1448. | 3.8 | 12 |
| 41 | The seasonal climate predictability of the Atlantic Warm Pool and its teleconnections. <i>Geophysical Research Letters</i> , 2014, 41, 661-666. | 4.0 | 12 |
| 42 | The warm pool variability of the tropical northeast Pacific. <i>International Journal of Climatology</i> , 2016, 36, 4625-4637. | 3.5 | 12 |
| 43 | Air, Sea, and Land Interactions of the Continental U.S. Hydroclimate. <i>Journal of Hydrometeorology</i> , 2009, 10, 353-373. | 1.9 | 11 |
| 44 | Statistical Prediction of Integrated Kinetic Energy in North Atlantic Tropical Cyclones. <i>Monthly Weather Review</i> , 2014, 142, 4646-4657. | 1.4 | 11 |
| 45 | The precursors in the Intra-Americas Seas to seasonal climate variations over North America. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 2938-2948. | 2.6 | 11 |
| 46 | Reconciling droughts and landfalling tropical cyclones in the Southeastern United States. <i>Climate Dynamics</i> , 2016, 46, 1277-1286. | 3.8 | 11 |
| 47 | Characterizing the rainy season of Peninsular Florida. <i>Climate Dynamics</i> , 2018, 51, 2157-2167. | 3.8 | 11 |
| 48 | Manifestation of remote response over the equatorial Pacific in a climate model. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 10 |
| 49 | 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 |
| 50 | Simulating diurnal variations over the southeastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 180-198. | 3.3 | 10 |
| 51 | The sensitivity of the regional coupled ocean-atmosphere simulations over the Intra-Americas seas to the prescribed bathymetry. <i>Dynamics of Atmospheres and Oceans</i> , 2016, 76, 29-51. | 1.8 | 10 |
| 52 | 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 |
| 53 | A Comparison of Climate Prediction and Simulation over the Tropical Pacific. <i>Journal of Climate</i> , 2008, 21, 3601-3611. | 3.2 | 9 |
| 54 | Hindcasts of Integrated Kinetic Energy in Atlantic Tropical Cyclones: A Neural Network Prediction Scheme. <i>Monthly Weather Review</i> , 2016, 144, 4591-4603. | 1.4 | 9 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | A sensitivity study of the coupled simulation of the Northeast Brazil rainfall variability. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 7 |
| 59 | Interaction of interannual and diurnal variations over equatorial Africa. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 7 |
| 60 | The sensitivity of southeastern United States climate to varying irrigation vigor. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7606-7621. | 3.3 | 7 |
| 61 | Florida Climate Variability and Prediction. , 2017, , . | | 7 |
| 62 | The rendition of the Atlantic Warm Pool in the reanalyses. <i>Climate Dynamics</i> , 2013, 41, 517-532. | 3.8 | 6 |
| 63 | The seasonal predictability of the Asian summer monsoon in a two-tiered forecast system. <i>Climate Dynamics</i> , 2014, 42, 2491-2507. | 3.8 | 6 |
| 64 | Global seasonal climate predictability in a two tiered forecast system. Part II: boreal winter and spring seasons. <i>Climate Dynamics</i> , 2014, 42, 1449-1468. | 3.8 | 6 |
| 65 | 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 |
| 66 | 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 |
| 67 | 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 |
| 68 | Characterizing the Seasonal Cycle of the Northern Australian Rainy Season. <i>Journal of Climate</i> , 2020, 33, 8957-8973. | 3.2 | 6 |
| 69 | 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 |
| 70 | Tropical-middle latitude interactions viewed via wave energy flux in the frequency domain. <i>Dynamics of Atmospheres and Oceans</i> , 1998, 27, 383-412. | 1.8 | 4 |
| 71 | Understanding the seasonal variations of Peninsular Florida. <i>Climate Dynamics</i> , 2020, 54, 1873-1885. | 3.8 | 4 |
| 72 | 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 |

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|----|--|-----|-----------|
| 73 | 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 |
| 74 | Ice versus liquid water saturation in simulations of the Indian summer monsoon. <i>Climate Dynamics</i> , 2018, 51, 3847-3863. | 3.8 | 3 |
| 75 | 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 |
| 76 | The role of extreme rain events in Peninsular Florida's seasonal hydroclimate variations. <i>Journal of Hydrology</i> , 2020, 589, 125182. | 5.4 | 3 |
| 77 | Terrestrial and Ocean Climate of the 20th Century. , 2017, , . | | 3 |
| 78 | 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 |
| 79 | The coupled seasonal hindcasts of the South American monsoon. <i>International Journal of Climatology</i> , 2009, 29, 1101-1115. | 3.5 | 2 |
| 80 | Seasonal predictability of the Atlantic Warm Pool in the NCEP CFS. <i>Geophysical Research Letters</i> , 2009, 36, . | 4.0 | 2 |
| 81 | Harvesting model uncertainty for the simulation of interannual variability. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 2 |
| 82 | 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 |
| 83 | A multi-disciplinary assessment of the southeastern United States climate. <i>Regional Environmental Change</i> , 2013, 13, 1-3. | 2.9 | 2 |
| 84 | 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 |
| 85 | Characterizing the Local Variations of the Northern Australian Rainy Season. <i>Monthly Weather Review</i> , 2021, 149, 3995-4004. | 1.4 | 2 |
| 86 | The seasonal predictability of the wet season over Peninsular Florida. <i>International Journal of Climatology</i> , 2022, 42, 3408-3417. | 3.5 | 2 |
| 87 | 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 |
| 88 | Integrated Kinetic Energy in North Atlantic Tropical Cyclones: Climatology, Analysis, and Seasonal Applications. <i>Hurricane Risk B</i> , 2019, , 43-69. | 0.5 | 1 |
| 89 | Operational Monitoring of the Evolution of Rainy Season Over Florida. <i>Frontiers in Climate</i> , 2022, 4, . | 2.8 | 1 |
| 90 | 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 |

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| 91 | Understanding the interannual variations of the zonal mean Indian summer monsoon seasonal rainfall. <i>Climate Dynamics</i> , 2019, 53, 5547-5559. | 3.8 | 0 |