

# Dev Niyogi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

239  
papers

10,836  
citations

55  
h-index

96  
g-index

257  
ext. papers

12,885  
ext. citations

4.4  
avg. IF

6.42  
L-index

#	Paper	IF	Citations
239	Evaluation of Bias Correction Methods for Regional Climate Models: Downscaled Rainfall Analysis Over Diverse Agroclimatic Zones of India. <i>Earth and Space Science</i> , <b>2022</b> , 9,	3.1	1
238	Resilience of human settlements to climate change needs the convergence of urban planning and urban climate science. <i>Computational Urban Science</i> , <b>2022</b> , 2, 1		2
237	Ecology and Climate of the Earth—The Same Biogeophysical System. <i>Climate</i> , <b>2022</b> , 10, 25	3.1	0
236	Improving the Forecasting of Winter Wheat Yields in Northern China with Machine LearningDynamical Hybrid Subseasonal-to-Seasonal Ensemble Prediction. <i>Remote Sensing</i> , <b>2022</b> , 14, 1707	5	2
235	Concentrations and isotopic analysis for the sources and transfer of lead in an urban atmosphere-plant-soil system.. <i>Journal of Environmental Management</i> , <b>2022</b> , 311, 114771	7.9	0
234	Generating high-accuracy and cloud-free surface soil moisture at 1 km resolution by point-surface data fusion over the Southwestern U.S.. <i>Agricultural and Forest Meteorology</i> , <b>2022</b> , 321, 108985	5.8	1
233	Drought propagation modification after the construction of the Three Gorges Dam in the Yangtze River Basin. <i>Journal of Hydrology</i> , <b>2021</b> , 603, 127138	6	5
232	Urbanization Exacerbated Rainfall Over European Suburbs Under a Warming Climate. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095987	4.9	7
231	First results from the Doppler Weather Radar observations over Mumbai urban region during the inter-seasonal phases of 2018 monsoon. <i>Natural Hazards</i> , <b>2021</b> , 107, 1413-1426	3	1
230	Effect of Vortex Initialization and Relocation Method in Anticipating Tropical Cyclone Track and Intensity over the Bay of Bengal. <i>Pure and Applied Geophysics</i> , <b>2021</b> , 178, 4049	2.2	1
229	Environmental and Social Risks to Biodiversity and Ecosystem Health—A Bottom-Up, Resource-Focused Assessment Framework. <i>Earth</i> , <b>2021</b> , 2, 440-456	1	4
228	Assessing Crop Water Stress Index of Citrus Using In-Situ Measurements, Landsat, and Sentinel-2 Data. <i>International Journal of Remote Sensing</i> , <b>2021</b> , 42, 1893-1916	3.1	14
227	Variable Impact of COVID-19 Lockdown on Air Quality across 91 Indian Cities. <i>Earth Interactions</i> , <b>2021</b> , 25, 57-75	1.5	3
226	Impacts of land cover heterogeneity and land surface parameterizations on turbulent characteristics and mesoscale simulations. <i>Meteorology and Atmospheric Physics</i> , <b>2021</b> , 133, 589-610	2	1
225	Physiological responses of orange trees subject to regulated deficit irrigation and partial root drying. <i>Irrigation Science</i> , <b>2021</b> , 39, 441-455	3.1	4
224	Integrated urban environmental system of systems for weather ready cities in India. <i>Bulletin of the American Meteorological Society</i> , <b>2021</b> , 1	6.1	0
223	Impact of green roofs on heavy rainfall in tropical, coastal urban area. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 074051	6.2	2

222	Urban climate and resiliency: A synthesis report of state of the art and future research directions. <i>Urban Climate</i> , <b>2021</b> , 38, 100858	6.8	9
221	Review of urban computing in air quality management as smart city service: An integrated IoT, AI, and cloud technology perspective. <i>Urban Climate</i> , <b>2021</b> , 39, 100972	6.8	14
220	Is satellite Sun-Induced Chlorophyll Fluorescence more indicative than vegetation indices under drought condition?. <i>Science of the Total Environment</i> , <b>2021</b> , 792, 148396	10.2	3
219	Identifying multivariate controls of soil moisture variations using multiple wavelet coherence in the U.S. Midwest. <i>Journal of Hydrology</i> , <b>2021</b> , 602, 126755	6	2
218	Counter-clockwise epochal shift of the Indian Monsoon Sparse Zone. <i>Atmospheric Research</i> , <b>2021</b> , 263, 105806	5.4	
217	Evidence of asymmetric change in diurnal temperature range in recent decades over different agro-climatic zones of India. <i>International Journal of Climatology</i> , <b>2021</b> , 41, 2597-2610	3.5	7
216	Global to USA County Scale Analysis of Weather, Urban Density, Mobility, Homestay, and Mask Use on COVID-19. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	33
215	Drought propagation in Northern China Plain: A comparative analysis of GLDAS and MERRA-2 datasets. <i>Journal of Hydrology</i> , <b>2020</b> , 588, 125026	6	20
214	Urbanization alters rainfall extremes over the contiguous United States. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 074033	6.2	15
213	Improved simulation of very heavy rainfall events by incorporating WUDAPT urban land use/land cover in WRF. <i>Urban Climate</i> , <b>2020</b> , 32, 100616	6.8	13
212	Impact of INSAT-3D/3DR Radiance Data Assimilation in Predicting Tropical Cyclone Titli Over the Bay of Bengal. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2020</b> , 58, 6945-6957	8.1	7
211	Improved Simulation of Monsoon Depressions and Heavy Rains From Direct and Indirect Initialization of Soil Moisture Over India. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032400	4.4	3
210	Identification of linkages between urban heat Island magnitude and urban rainfall modification by use of causal discovery algorithms. <i>Urban Climate</i> , <b>2020</b> , 33, 100659	6.8	3
209	Urbanization in Small Cities and Their Significant Implications on Landscape Structures: The Case in Ethiopia. <i>Sustainability</i> , <b>2020</b> , 12, 1235	3.6	15
208	Evapotranspiration Climatology of Indiana Using In Situ and Remotely Sensed Products. <i>Journal of Applied Meteorology and Climatology</i> , <b>2020</b> , 59, 2093-2111	2.7	18
207	Resilience of Water Management Infrastructure <b>2020</b> , 1-20		
206	Survey of Water Managers for Twenty-First Century Challenges <b>2020</b> , 21-34		1
205	Current Approaches for Resilience Assessment <b>2020</b> , 35-43		1

204	Precipitation Changes in India <b>2020</b> , 47-72			11
203	Droughts and Floods <b>2020</b> , 117-141			11
202	Timing of rainfall occurrence altered by urban sprawl. <i>Urban Climate</i> , <b>2020</b> , 33, 100643	6.8		10
201	Quantitative analysis of agricultural drought propagation process in the Yangtze River Basin by using cross wavelet analysis and spatial autocorrelation. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 280, 107809	5.8		41
200	On the relationship between intensity changes and rainfall distribution in tropical cyclones over the North Indian Ocean. <i>International Journal of Climatology</i> , <b>2020</b> , 40, 2015-2025	3.5		11
199	Spatial Configuration and Extent Explains the Urban Heat Mitigation Potential due to Green Spaces: Analysis over Addis Ababa, Ethiopia. <i>Remote Sensing</i> , <b>2020</b> , 12, 2876	5		9
198	Mapping Paddy Rice Fields by Combining Multi-Temporal Vegetation Index and Synthetic Aperture Radar Remote Sensing Data Using Google Earth Engine Machine Learning Platform. <i>Remote Sensing</i> , <b>2020</b> , 12, 2992	5		8
197	Observed Evidence for Steep Rise in the Extreme Flow of Western Himalayan Rivers. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087815	4.9		6
196	Sensitivity of Analytical Flux Footprint Models in Diverse Source-Receptor Configurations: A Field Experimental Study. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2020</b> , 125, e2020JG005694	3.7		0
195	Forecasting tropical cyclones in the Bay of Bengal using quasi-operational WRF and HWRF modeling systems: an assessment study. <i>Meteorology and Atmospheric Physics</i> , <b>2020</b> , 132, 1-17	2		10
194	Evapotranspiration, crop coefficients, and physiological responses of citrus trees in semi-arid climatic conditions. <i>Agricultural Water Management</i> , <b>2020</b> , 227, 105838	5.9		25
193	Implementing Dynamic Rooting Depth for Improved Simulation of Soil Moisture and Land Surface Feedbacks in Noah-MP-Crop. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS001786	7.1		8
192	Urban Rainfall Modification: Observational Climatology Over Berlin, Germany. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 731-746	4.4		18
191	Land Surface Processes. <i>Springer Atmospheric Sciences</i> , <b>2019</b> , 349-370	0.7		6
190	Urban Expansion in Ethiopia from 1987 to 2017: Characteristics, Spatial Patterns, and Driving Forces. <i>Sustainability</i> , <b>2019</b> , 11, 2973	3.6		41
189	Impacts of Local Convective Processes on Rain on the Caribbean Island of Puerto Rico. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 6009-6026	4.4		4
188	Urban Impacts on Extreme Monsoon Rainfall and Flooding in Complex Terrain. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 5918-5927	4.9		25
187	Pathway using WUDAPT's Digital Synthetic City tool towards generating urban canopy parameters for multi-scale urban atmospheric modeling. <i>Urban Climate</i> , <b>2019</b> , 28, 100459	6.8		23

186	Meta-analysis of urbanization impact on rainfall modification. <i>Scientific Reports</i> , <b>2019</b> , 9, 7301	4.9	60
185	Impact of vortex size and Initialization on prediction of landfalling tropical cyclones over Bay of Bengal. <i>Atmospheric Research</i> , <b>2019</b> , 224, 18-29	5.4	7
184	On the processes influencing rapid intensity changes of tropical cyclones over the Bay of Bengal. <i>Scientific Reports</i> , <b>2019</b> , 9, 3382	4.9	13
183	Evaluation of Evapotranspiration over a Semiarid Region Using Multiresolution Data Sources. <i>Journal of Hydrometeorology</i> , <b>2019</b> , 20, 947-964	3.7	34
182	The response of ocean parameters to tropical cyclones in the Bay of Bengal. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2019</b> , 145, 3320-3332	6.4	7
181	Urban drought challenge to 2030 sustainable development goals. <i>Science of the Total Environment</i> , <b>2019</b> , 693, 133536	10.2	71
180	Observed Vertical Structure of Convection During Dry and Wet Summer Monsoon Epochs Over the Western Ghats. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 1352	4.4	7
179	Evaluation of Hydroclimatic Variability and Prospective Irrigation Strategies in the U.S. Corn Belt. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2447	3	3
178	Application of A Simple Landsat-MODIS Fusion Model to Estimate Evapotranspiration over A Heterogeneous Sparse Vegetation Region. <i>Remote Sensing</i> , <b>2019</b> , 11, 741	5	30
177	Influence of Land Cover and Soil Moisture based Brown Ocean Effect on an Extreme Rainfall Event from a Louisiana Gulf Coast Tropical System. <i>Scientific Reports</i> , <b>2019</b> , 9, 17136	4.9	5
176	Observed and global climate model based changes in wind power potential over the Northern Hemisphere during 1979-2016. <i>Energy</i> , <b>2019</b> , 167, 1224-1235	7.9	32
175	Simulating rewetting events in intermittent rivers and ephemeral streams: A global analysis of leached nutrients and organic matter. <i>Global Change Biology</i> , <b>2019</b> , 25, 1591-1611	11.4	47
174	Urban Modification of Convection and Rainfall in Complex Terrain. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 2507-2515	4.9	39
173	WUDAPT: An Urban Weather, Climate, and Environmental Modeling Infrastructure for the Anthropocene. <i>Bulletin of the American Meteorological Society</i> , <b>2018</b> , 99, 1907-1924	6.1	149
172	The Impact of Land Cover and Land Use Change on the Indian Monsoon Region Hydroclimate. <i>Springer Remote Sensing/photogrammetry</i> , <b>2018</b> , 553-575	0.2	10
171	Increased Spatial Variability and Intensification of Extreme Monsoon Rainfall due to Urbanization. <i>Scientific Reports</i> , <b>2018</b> , 8, 3918	4.9	74
170	Multi-ensemble regional simulation of Indian monsoon during contrasting rainfall years: role of convective schemes and nested domain. <i>Climate Dynamics</i> , <b>2018</b> , 50, 4127-4147	4.2	14
169	SURF: Understanding and Predicting Urban Convection and Haze. <i>Bulletin of the American Meteorological Society</i> , <b>2018</b> , 99, 1391-1413	6.1	27

168	High-resolution gridded soil moisture and soil temperature datasets for the Indian monsoon region. <i>Scientific Data</i> , <b>2018</b> , 5, 180264	8.2	16
167	Assessment of the Weather Research and Forecasting (WRF) model for simulation of extreme rainfall events in the upper Ganga Basin. <i>Hydrology and Earth System Sciences</i> , <b>2018</b> , 22, 1095-1117	5.5	60
166	The Purdue Agro-climatic (PAC) dataset for the U.S. Corn Belt: Development and initial results. <i>Climate Risk Management</i> , <b>2017</b> , 15, 61-72	4.6	7
165	Improved prediction of severe thunderstorms over the Indian Monsoon region using high-resolution soil moisture and temperature initialization. <i>Scientific Reports</i> , <b>2017</b> , 7, 41377	4.9	29
164	Modeling Urban Precipitation Modification by Spatially Heterogeneous Aerosols. <i>Journal of Applied Meteorology and Climatology</i> , <b>2017</b> , 56, 2141-2153	2.7	26
163	Review of Approaches and Recommendations for Improving Resilience of Water Management Infrastructure: The Case for Large Dams. <i>Journal of Infrastructure Systems</i> , <b>2017</b> , 23, 02517001	2.9	7
162	Agroclimatology <b>2017</b> , 1-8		
161	Fast Weather Simulation for Inverse Procedural Design of 3D Urban Models. <i>ACM Transactions on Graphics</i> , <b>2017</b> , 36, 1-19	7.6	13
160	Urbanization Impacts on the Summer Heavy Rainfall Climatology over the Eastern United States. <i>Earth Interactions</i> , <b>2017</b> , 21, 1-17	1.5	43
159	Cloudbursts in Indian Himalayas: A review. <i>Earth-Science Reviews</i> , <b>2017</b> , 168, 1-23	10.2	65
158	Droughts in India from 1981 to 2013 and Implications to Wheat Production. <i>Scientific Reports</i> , <b>2017</b> , 7, 44552	4.9	58
157	Assessment of a Long-Term High-Resolution Hydroclimatic Dataset for the U.S. Midwest. <i>Earth Interactions</i> , <b>2017</b> , 21, 1-31	1.5	3
156	Multi-sensor integrated framework and index for agricultural drought monitoring. <i>Remote Sensing of Environment</i> , <b>2017</b> , 188, 141-163	13.2	78
155	Prediction of rapid intensification of tropical cyclone Phailin over the Bay of Bengal using the HWRF modelling system. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2017</b> , 143, 678-690	6.4	30
154	The Convection, Aerosol, and Synoptic-Effects in the Tropics (CAST) Experiment: Building an Understanding of Multiscale Impacts on Caribbean Weather via Field Campaigns. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 1593-1600	6.1	6
153	Gauging the Severity of the 2012 Midwestern U.S. Drought for Agriculture. <i>Remote Sensing</i> , <b>2017</b> , 9, 7675		7
152	Land-Air Interactions over Urban-Rural Transects Using Satellite Observations: Analysis over Delhi, India from 1991-2016. <i>Remote Sensing</i> , <b>2017</b> , 9, 1283	5	11
151	Quality of Crowdsourced Data on Urban Morphology—The Human Influence Experiment (HUMINEX). <i>Urban Science</i> , <b>2017</b> , 1, 15	2.2	50

150	Fast Weather Simulation for Inverse Procedural Design of 3D Urban Models. <i>ACM Transactions on Graphics</i> , <b>2017</b> , 36, 1	7.6	7
149	Trends and variability of droughts over the Indian monsoon region. <i>Weather and Climate Extremes</i> , <b>2016</b> , 12, 43-68	6	132
148	Contribution of landfalling tropical system rainfall to the hydroclimate of the eastern U.S. Corn Belt 1981-2012. <i>Weather and Climate Extremes</i> , <b>2016</b> , 13, 54-67	6	3
147	The Role of Land Surface Processes on Tropical Cyclones: Introduction to Land Surface Models <b>2016</b> , 221-246		3
146	The Role of Land Surface Processes on Extreme Weather Events: Land Data Assimilation System <b>2016</b> , 247-266		2
145	Structure and evolution of flash flood producing storms in a small urban watershed. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 3139-3152	4.4	18
144	Urbanization causes nonstationarity in Indian Summer Monsoon Rainfall extremes. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 11,269	4.9	30
143	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2016</b> , 54, 2285-2303	8.1	45
142	Improving High-Resolution Weather Forecasts Using the Weather Research and Forecasting (WRF) Model with an Updated Kain-Rittsch Scheme. <i>Monthly Weather Review</i> , <b>2016</b> , 144, 833-860	2.4	104
141	Contrasting impacts of urban forms on the future thermal environment: example of Beijing metropolitan area. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 034018	6.2	62
140	Urban Sprawl Patterns and Processes in Delhi from 1977 to 2014 Based on Remote Sensing and Spatial Metrics Approaches. <i>Earth Interactions</i> , <b>2016</b> , 20, 1-29	1.5	24
139	Noah-MP-Crop: Introducing dynamic crop growth in the Noah-MP land surface model. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 13,953-13,972	4.4	36
138	Global and Regional Evaluation of Energy for Water. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9736-45	10.3	55
137	Agriculture intensifies soil moisture decline in Northern China. <i>Scientific Reports</i> , <b>2015</b> , 5, 11261	4.9	49
136	Western Disturbances: A review. <i>Reviews of Geophysics</i> , <b>2015</b> , 53, 225-246	23.1	207
135	Local-To-Regional Landscape Drivers of Extreme Weather and Climate: Implications for Water Infrastructure Resilience. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2015</b> , 20, 02515002	1.8	19
134	Using a team survey to improve team communication for enhanced delivery of agro-climate decision support tools. <i>Agricultural Systems</i> , <b>2015</b> , 138, 31-37	6.1	9
133	Crop models capture the impacts of climate variability on corn yield. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 3356-3363	4.9	11

132	Numerical simulation of an intense precipitation event over Rudraprayag in the central Himalayas during 13-14 September 2012. <i>Journal of Earth System Science</i> , <b>2015</b> , 124, 1545-1561	1.8	19
131	Reintroducing radiometric surface temperature into the Penman-Monteith formulation. <i>Water Resources Research</i> , <b>2015</b> , 51, 6214-6243	5.4	32
130	Improved Prediction of Bay of Bengal Tropical Cyclones through Assimilation of Doppler Weather Radar Observations. <i>Monthly Weather Review</i> , <b>2015</b> , 143, 4533-4560	2.4	46
129	Climate Variability and the U.S. Corn Belt: ENSO and AO Episode-Dependent Hydroclimatic Feedbacks to Corn Production at Regional and Local Scales*. <i>Earth Interactions</i> , <b>2015</b> , 19, 1-32	1.5	16
128	A Great Escape from the Bay of Bengal Super Sapphire Phailin Tropical Cyclone: A Case of Improved Weather Forecast and Societal Response for Disaster Mitigation. <i>Earth Interactions</i> , <b>2015</b> , 19, 1-11	1.5	29
127	Calibration and Validation of the Hybrid-Maize Crop Model for Regional Analysis and Application over the U.S. Corn Belt. <i>Earth Interactions</i> , <b>2015</b> , 19, 1-16	1.5	17
126	Evapotranspiration in Northern Eurasia: Impact of forcing uncertainties on terrestrial ecosystem model estimates. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 2647-2660	4.4	20
125	A need to revisit hydrologic responses to urbanization by incorporating the feedback on spatial rainfall patterns. <i>Urban Climate</i> , <b>2015</b> , 12, 128-140	6.8	28
124	Impacts of land-atmosphere coupling on regional rainfall and convection. <i>Climate Dynamics</i> , <b>2015</b> , 44, 2383-2409	4.2	14
123	What Do Experienced Water Managers Think of Water Resources of Our Nation and Its Management Infrastructure?. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142073	3.7	7
122	A Surface Temperature Initiated Closure (STIC) for surface energy balance fluxes. <i>Remote Sensing of Environment</i> , <b>2014</b> , 141, 243-261	13.2	60
121	Impact of Doppler weather radar data on thunderstorm simulation during STORM pilot phase-009. <i>Natural Hazards</i> , <b>2014</b> , 74, 1403-1427	3	24
120	Land cover changes and their biogeophysical effects on climate. <i>International Journal of Climatology</i> , <b>2014</b> , 34, 929-953	3.5	410
119	Toward a better integration of biological data from precipitation manipulation experiments into Earth system models. <i>Reviews of Geophysics</i> , <b>2014</b> , 52, 412-434	23.1	32
118	Land Surface Heterogeneity Signature in Tornado Climatology? An Illustrative Analysis over Indiana, 1950-2012*. <i>Earth Interactions</i> , <b>2014</b> , 18, 1-32	1.5	18
117	When the atmosphere warms it rains and ice melts: seventh grade students' conceptions of a climate system. <i>Environmental Education Research</i> , <b>2014</b> , 20, 333-353	3.1	19
116	Forages and Pastures Symposium: assessing drought vulnerability of agricultural production systems in context of the 2012 drought. <i>Journal of Animal Science</i> , <b>2014</b> , 92, 2811-22	0.7	9
115	Assessing Impacts of Integrating MODIS Vegetation Data in the Weather Research and Forecasting (WRF) Model Coupled to Two Different Canopy-Resistance Approaches. <i>Journal of Applied Meteorology and Climatology</i> , <b>2014</b> , 53, 1362-1380	2.7	46



114	Climate Forecasts for Corn Producer Decision Making. <i>Earth Interactions</i> , <b>2014</b> , 18, 1-8	1.5	27
113	Agroclimatology <b>2014</b> , 911-924		1
112	Climatology: Moist Enthalpy and Long-Term Anomaly Trends <b>2014</b> , 994-1000		0
111	Temporal trajectories of wet deposition across hydro-climatic regimes: Role of urbanization and regulations at U.S. and East Asia sites. <i>Atmospheric Environment</i> , <b>2013</b> , 70, 280-288	5.3	4
110	Evaluation of Temperature and Precipitation Trends and Long-Term Persistence in CMIP5 Twentieth-Century Climate Simulations. <i>Journal of Climate</i> , <b>2013</b> , 26, 4168-4185	4.4	126
109	Land use/cover change impacts in CMIP5 climate simulations: A new methodology and 21st century challenges. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 6337-6353	4.4	57
108	Regional climate model application at subgrid scale on Indian winter monsoon over the western Himalayas. <i>International Journal of Climatology</i> , <b>2013</b> , 33, 2185-2205	3.5	50
107	Latent Heat Flux and Canopy Conductance Based on Penman-Monteith, Priestley-Taylor Equation, and Bouchet's Complementary Hypothesis. <i>Journal of Hydrometeorology</i> , <b>2013</b> , 14, 419-442	3.7	29
106	Real-Time Track Prediction of Tropical Cyclones over the North Indian Ocean Using the ARW Model. <i>Journal of Applied Meteorology and Climatology</i> , <b>2013</b> , 52, 2476-2492	2.7	66
105	Visualization-Based Decision Tool for Urban Meteorological Modeling. <i>Environment and Planning B: Planning and Design</i> , <b>2013</b> , 40, 271-288		7
104	Impact of city size on precipitation-modifying potential. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 5263-5267	4.9	37
103	2012 Midwest Drought in the United States. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2013</b> , 18, 737-745	1.8	101
102	Enhancement of inland penetration of monsoon depressions in the Bay of Bengal due to prestorm ground wetness. <i>Water Resources Research</i> , <b>2013</b> , 49, 3589-3600	5.4	9
101	Sensitivity of inland decay of North Atlantic tropical cyclones to soil parameters. <i>Natural Hazards</i> , <b>2012</b> , 63, 1527-1542	3	17
100	An HWRF-based ensemble assessment of the land surface feedback on the post-landfall intensification of Tropical Storm Fay (2008). <i>Natural Hazards</i> , <b>2012</b> , 63, 1543-1571	3	14
99	The role of anomalous soil moisture on the inland reintensification of Tropical Storm Erin (2007). <i>Natural Hazards</i> , <b>2012</b> , 63, 1573-1600	3	18
98	Modeling of Forecast Sensitivity on the March of Monsoon Isochrones from Kerala to New Delhi: The First 25 Days. <i>Journals of the Atmospheric Sciences</i> , <b>2012</b> , 69, 2465-2487	2.1	24
97	Conceptualizing climate change in the context of a climate system: implications for climate and environmental education. <i>Environmental Education Research</i> , <b>2012</b> , 18, 323-352	3.1	69

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