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A Regional Climate Change Assessment Program for North America

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439	NARRE Atmospheric Water Cycle Components. Part II: Summertime Mean and Diurnal Interactions. Journal of Hydrometeorology, <b>2010</b> , 11, 1220-1233	3.7	24
438	NARRE Atmospheric Water Cycle Components. Part I: 20-Year Mean and Annual Interactions. Journal of Hydrometeorology, <b>2010</b> , 11, 1205-1219	3.7	23
437	Regional Extreme Monthly Precipitation Simulated by NARCCAP RCMs. <i>Journal of Hydrometeorology</i> , <b>2010</b> , 11, 1373-1379	3.7	59
436	Quantification of Uncertainties of Future Climate Change: Challenges and Applications. <b>2010</b> , 77, 998-1	011	8
435	Precipitation downscaling under climate change: Recent developments to bridge the gap between dynamical models and the end user. <b>2010</b> , 48,		1021
434	Recent and future warm extreme events and high-mountain slope stability. <b>2010</b> , 368, 2435-59		109
433	Evaluating climate change over the Colorado River basin using regional climate models. <b>2011</b> , 116,		63
432	Guidelines for constructing climate scenarios. <i>Eos</i> , <b>2011</b> , 92, 257-258	1.5	90
431	A Regional Modeling Study of Climate Change Impacts on Warm-Season Precipitation in the Central United States*. <b>2011</b> , 24, 1985-2002		59
430	Climate Hazard Assessment for Stakeholder Adaptation Planning in New York City. <i>Journal of Applied Meteorology and Climatology</i> , <b>2011</b> , 50, 2247-2266	2.7	55
429	Transient regional climate change: analysis of the summer climate response in a high-resolution, century-scale, ensemble experiment over the continental United States. <b>2011</b> , 116,		31
428	Filtered kriging for spatial data with heterogeneous measurement error variances. <b>2011</b> , 67, 947-57		25
427	Methodologies for simulating impacts of climate change on crop production. <b>2011</b> , 124, 357-368		401
426	High-resolution subtropical summer precipitation derived from dynamical downscaling of the NCEP/DOE reanalysis: how much small-scale information is added by a regional model?. <b>2011</b> , 37, 1061-	-1080	15

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424	Multivariate Spatial Analysis of Climate Change Projections. <b>2011</b> , 16, 571-585		8
423	Comparing and Blending Regional Climate Model Predictions for the American Southwest. <b>2011</b> , 16, 586-605		17
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421	Opportunities and challenges in assessing climate change impacts on wind energy critical comparison of wind speed projections in California. <b>2011</b> , 6, 024008		41
420	Assessing climate change impacts on the near-term stability of the wind energy resource over the United States. <b>2011</b> , 108, 8167-71		104
419	Evaluating Urban Storm-Water Infrastructure Design in Response to Projected Climate Change. <b>2011</b> , 16, 865-873		80
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417	A New Global Set of Downscaled Temperature Scenarios. <b>2011</b> , 24, 2080-2098		29
416	A Comparison of Statistical and Dynamical Downscaling of Winter Precipitation over Complex Terrain. <b>2012</b> , 25, 262-281		147
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414	On the Relationship between Uncertainties in Tropical Divergence and the Hydrological Cycle in Global Models. <b>2012</b> , 25, 381-391		4
413	Internal Variability of the Canadian RCMB Hydrological Variables at the Basin Scale in Quebec and Labrador. <i>Journal of Hydrometeorology</i> , <b>2012</b> , 13, 443-462	3.7	22
412	Understanding Simulated Extreme Precipitation Events in Madison, Wisconsin, and the Role of Moisture Flux Convergence during the Late Twentieth and Twenty-First Centuries*. <i>Journal of Hydrometeorology</i> , <b>2012</b> , 13, 877-894	3.7	16
411	An Improved Dynamical Downscaling Method with GCM Bias Corrections and Its Validation with 30 Years of Climate Simulations. <b>2012</b> , 25, 6271-6286		110
410	Assessing the Performance of Multiple Regional Climate Model Simulations for Seasonal Mountain Snow in the Upper Colorado River Basin. <i>Journal of Hydrometeorology</i> , <b>2012</b> , 13, 539-556	3.7	35
409	Spatial-Scale Characteristics of Precipitation Simulated by Regional Climate Models and the Implications for Hydrological Modeling. <i>Journal of Hydrometeorology</i> , <b>2012</b> , 13, 1817-1835	3.7	24
408	Precipitation Climatology in an Ensemble of CORDEX-Africa Regional Climate Simulations. <b>2012</b> , 25, 60	)57-607	<b>78</b> 447

407	Modeling the Potential Impacts of Climate Change on a Small Watershed in Labrador, Canada. <b>2012</b> , 37, 231-251	6
406	Moisture flux convergence in regional and global climate models: Implications for droughts in the southwestern United States under climate change. <b>2012</b> , 39, n/a-n/a	42
405	Evaluation of present and future North American Regional Climate Change Assessment Program (NARCCAP) regional climate simulations over the southeast United States. <b>2012</b> , 117, n/a-n/a	31
404	Climate change scenarios and potential impacts on water availability in northern Mexico. <i>Climate Research</i> , <b>2012</b> , 51, 171-184	34
403	Changes in Climate Extremes and their Impacts on the Natural Physical Environment. 109-230	709
402	Changes in hail and flood risk in high-resolution simulations over Colorado's mountains. <b>2012</b> , 2, 125-131	67
401	Reducing biases in regional climate downscaling by applying Bayesian model averaging on large-scale forcing. <b>2012</b> , 39, 2523-2532	15
400	Mid-21st century projections in temperature extremes in the southern Colorado Rocky Mountains from regional climate models. <b>2012</b> , 39, 1823-1840	41
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398	The North American Regional Climate Change Assessment Program: Overview of Phase I Results. <b>2012</b> , 93, 1337-1362	364
397	Estimating the Health Impact of Climate Change with Calibrated Climate Model Output. <b>2012</b> , 17, 377-394	10
396	Evaluation of future flow variability in ungauged basins: Validation of combined methods. <b>2012</b> , 35, 121-140	12
396 395	Evaluation of future flow variability in ungauged basins: Validation of combined methods. <b>2012</b> , 35, 121-140  Global precipitation measurement: Methods, datasets and applications. <b>2012</b> , 104-105, 70-97	12 290
395	Global precipitation measurement: Methods, datasets and applications. <b>2012</b> , 104-105, 70-97  Observed trends and future projections of precipitation and air temperature in the Lake Winnipeg	290
395	Global precipitation measurement: Methods, datasets and applications. <b>2012</b> , 104-105, 70-97  Observed trends and future projections of precipitation and air temperature in the Lake Winnipeg watershed. <b>2012</b> , 38, 72-82	290
395 394 393	Global precipitation measurement: Methods, datasets and applications. <b>2012</b> , 104-105, 70-97  Observed trends and future projections of precipitation and air temperature in the Lake Winnipeg watershed. <b>2012</b> , 38, 72-82  Urban precipitation extremes: How reliable are regional climate models?. <b>2012</b> , 39, n/a-n/a  Changes in winter precipitation extremes for the western United States under a warmer climate as	<ul><li>290</li><li>16</li><li>45</li></ul>

### (2012-2012)

389	Projected changes to precipitation extremes for northeast Canadian watersheds using a multi-RCM ensemble. <b>2012</b> , 117, n/a-n/a	19
388	Comparison of dynamically and statistically downscaled seasonal climate forecasts for the cold season over the United States. <b>2012</b> , 117, n/a-n/a	23
387	Assessment of regional climate model simulation estimates over the northeast United States. <b>2012</b> , 117, n/a-n/a	35
386	An examination of the sensitivity of the Great Salt Lake to changes in inputs. <b>2012</b> , 48,	35
385	Hydrologic response to multimodel climate output using a physically based model of groundwater/surface water interactions. <b>2012</b> , 48,	51
384	Nonstationary modeling for multivariate spatial processes. <b>2012</b> , 112, 76-91	42
383	Regional Climate Models. 2012, 211-233	1
382	Estimated changes in wind speed and wind power density over the western High Plains, 19712000. <b>2012</b> , 109, 507-518	16
381	An investigation of the pineapple express phenomenon via bivariate extreme value theory. <b>2012</b> , 23, 420-439	15
380	Temperature Trends in the NARCCAP Regional Climate Models. <b>2012</b> , 25, 3985-3991	32
379	Latent Variable Modeling for Integrating Output from Multiple Climate Models. 2012, 44, 395-410	8
378	Modeling Climate Change Impacts on Hydrology and Nutrient Loading in the Upper Assiniboine Catchment1. <b>2012</b> , 48, 74-89	47
377	Scale Issues in the Development of Future Precipitation Scenarios. <b>2012</b> , 147, 8-16	5
376	Observational and supportive modelling analyses of winter precipitation change in China over the last half century. <i>International Journal of Climatology</i> , <b>2012</b> , 32, 747-758	11
375	Future changes in intense precipitation over Canada assessed from multi-model NARCCAP ensemble simulations. <i>International Journal of Climatology</i> , <b>2012</b> , 32, 1151-1163	77
374	Assessment of summer extremes and climate variability over the north-east of North America as simulated by the Canadian Regional Climate Model. <i>International Journal of Climatology</i> , <b>2012</b> , 32, 1615-1627	10
373	The impact of extreme heat on morbidity in Milwaukee, Wisconsin. <b>2012</b> , 110, 959-976	38
372	Joint variable spatial downscaling. <b>2012</b> , 111, 945-972	22

371	Potential for added value in precipitation simulated by high-resolution nested Regional Climate Models and observations. <b>2012</b> , 38, 1229-1247	164
370	Analysis of precipitation extremes with the assessment of regional climate models over the Willamette River Basin, USA. <b>2013</b> , 27, 2579-2590	39
369	Climate change impact and uncertainty analysis of extreme rainfall events in the Apalachicola River basin, Florida. <b>2013</b> , 480, 125-135	63
368	Climate change projections of the North American Regional Climate Change Assessment Program (NARCCAP). <b>2013</b> , 120, 965-975	150
367	Impact of Climate Change on Extreme Rainfall across the United States. <b>2013</b> , 18, 1301-1309	25
366	Added value of convection permitting seasonal simulations. <b>2013</b> , 41, 2655-2677	161
365	Interannual variability and expected regional climate change over North America. 2013, 41, 1245-1267	24
364	Evaluation of an ensemble of regional climate model simulations over South America driven by the ERA-Interim reanalysis: model performance and uncertainties. <b>2013</b> , 41, 1139-1157	122
363	On the role of domain size and resolution in the simulations with the HIRHAM region climate model. <b>2013</b> , 40, 2903-2918	24
362	Analysis of streamflow characteristics over Northeastern Canada in a changing climate. <b>2013</b> , 40, 1879-1901	25
361	Mid-twenty-first century warm season climate change in the Central United States. Part I: regional and global model predictions. <b>2013</b> , 40, 551-568	28
360	Potential for small scale added value of RCMB downscaled climate change signal. 2013, 40, 601-618	71
359	Using climate impacts indicators to evaluate climate model ensembles: temperature suitability of premium winegrape cultivation in the United States. <b>2013</b> , 40, 709-729	19
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357	Bayesian Hierarchical ANOVA of Regional Climate-Change Projections from NARCCAP Phase II. <b>2013</b> , 22, 3-15	12
356	Controls of Global Snow under a Changed Climate. <b>2013</b> , 26, 5537-5562	85
355	Simulation of rainfall anomalies leading to the 2005 drought in Amazonia using the CLARIS LPB regional climate models. <b>2013</b> , 41, 2937-2955	2
354	Reanalysis-driven climate simulation over CORDEX North America domain using the Canadian Regional Climate Model, version 5: model performance evaluation. <b>2013</b> , 41, 2973-3005	135

## (2013-2013)

353	Present climate and climate change over North America as simulated by the fifth-generation Canadian regional climate model. <b>2013</b> , 41, 3167-3201	121
352	Recent and future changes in extreme rainfall in the Catskills region of New York. <b>2013</b> , 1298, 43-51	4
351	Renewable Energy Resources Decan Energy: Wind Wave Tidal Bea Currents. 2013, 65-81	6
350	Projected implications of climate change for road safety in Greater Vancouver, Canada. <b>2013</b> , 116, 613-629	49
349	Potential for added value in temperature simulated by high-resolution nested RCMs in present climate and in the climate change signal. <b>2013</b> , 40, 443-464	35
348	Very extreme seasonal precipitation in the NARCCAP ensemble: model performance and projections. <b>2013</b> , 40, 59-80	105
347	Future U.S. wildfire potential trends projected using a dynamically downscaled climate change scenario. <b>2013</b> , 294, 120-135	130
346	The Agricultural Model Intercomparison and Improvement Project (AgMIP): Protocols and pilot studies. <b>2013</b> , 170, 166-182	573
345	Performance and uncertainty evaluation of empirical downscaling methods in quantifying the climate change impacts on hydrology over two North American river basins. <b>2013</b> , 479, 200-214	180
344	How well do the GCMs/RCMs capture the multi-scale temporal variability of precipitation in the Southwestern United States?. <b>2013</b> , 479, 75-85	48
343	Climate controls on soil respired CO2 in the United States: Implications for 21st century chemical weathering rates in temperate and arid ecosystems. <b>2013</b> , 358, 37-45	17
342	Finding appropriate bias correction methods in downscaling precipitation for hydrologic impact studies over North America. <b>2013</b> , 49, 4187-4205	248
341	Statistical Downscaling in Climatology. <b>2013</b> , 7, 249-265	60
340	An integrated approach to assessing 21st century climate change over the contiguous U.S. using the NARCCAP RCM output. <b>2013</b> , 117, 809-827	16
339	Deriving probabilistic based climate scenarios using pattern scaling and statistically downscaled data: A case study application from Ireland. <b>2013</b> , 37, 178-205	О
338	Dynamic downscaling of the twentieth-century reanalysis over the southeastern United States. <b>2013</b> , 13, 15-23	15
337	The impact of climate change on rainfall Intensity Duration Brequency (IDF) curves in Alabama. <b>2013</b> , 13, 25-33	69
336	Validating climate models for computing evapotranspiration in hydrologic studies: how relevant are climate model simulations over Florida?. <b>2013</b> , 13, 81-90	5

335	On the twenty-first-century wet season projections over the Southeastern United States. <b>2013</b> , 13, 153-164	1 9
334	A transition from CMIP3 to CMIP5 for climate information providers: the case of surface temperature over eastern North America. <b>2013</b> , 120, 197-210	11
333	Near-term acceleration of hydroclimatic change in the western U.S <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 10,676-10,693	. 76
332	Evaluation of the Surface Climatology over the Conterminous United States in the North American Regional Climate Change Assessment Program Hindcast Experiment Using a Regional Climate Model Evaluation System. <b>2013</b> , 26, 5698-5715	32
331	Regional, Very Heavy Daily Precipitation in NARCCAP Simulations. <i>Journal of Hydrometeorology</i> , <b>2013</b> , 14, 1212-1227	21
330	Will Future Climate Favor More Erratic Wildfires in the Western United States?. <i>Journal of Applied Meteorology and Climatology</i> , <b>2013</b> , 52, 2410-2417	34
329	Quantifying the Likelihood of Regional Climate Change: A Hybridized Approach. <b>2013</b> , 26, 3394-3414	22
328	Greenhouse GasInduced Changes in Summer Precipitation over Colorado in NARCCAP Regional Climate Models*. <b>2013</b> , 26, 8690-8697	14
327	Regional Climate Modeling over South America: A Review. <b>2013</b> , 2013, 1-13	52
326	Exploring a Global Multiresolution Modeling Approach Using Aquaplanet Simulations*. 2013, 26, 2432-2457	2 56
325	A Diagnostic Evaluation of Precipitation in CORDEX Models over Southern Africa. <b>2013</b> , 26, 9477-9506	86
324	High-Resolution Downscaled Simulations of Warm-Season Extreme Precipitation Events in the Colorado Front Range under Past and Future Climates*. <b>2013</b> , 26, 8671-8689	43
323	Warming-induced upslope advance of subalpine forest is severely limited by geomorphic processes. <b>2013</b> , 110, 8117-22	95
322	Modeling Uncertainty in Climate Using Ensembles of Regional and Global Climate Models and Multiple Observation-Based Data Sets. <b>2013</b> , 1, 535-559	3
321	Climate Change and Extremes in the Canadian Columbia Basin. 2013, 51, 456-469	9
320	Towards Assessing NARCCAP Regional Climate Model Credibility for the North American Monsoon: Current Climate Simulations*. <b>2013</b> , 26, 8802-8826	67
319	Precipitation extremes over the continental United States in a transient, high-resolution, ensemble climate model experiment. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 7063-7086	95
318	Two case studies on NARCCAP precipitation extremes. <i>Journal of Geophysical Research D:</i> Atmospheres, <b>2013</b> , 118, 10,475-10,489	. 8

317	An asynchronous regional regression model for statistical downscaling of daily climate variables. <i>International Journal of Climatology</i> , <b>2013</b> , 33, 2473-2494	3.5	119
316	Spatio-temporal exceedance locations and confidence regions. <b>2013</b> , 7,		33
315	Uncertainty and Computer Models. 2014,		
314	Downscaling with a nested regional climate model in near-surface fields over the contiguous United States. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 8778-8797	4.4	31
313	Climate Change Impact on Runoff and Sediment Loads to the Apalachicola River at Seasonal and Event Scales. <b>2014</b> , 68, 35-42		8
312	Statistical modeling and forecasting of fruit crop phenology under climate change. <b>2014</b> , 25, 621-629		O
311	Dimension-Reduced Modeling of Spatio-Temporal Processes. <b>2014</b> , 109, 1647-1659		5
310	Evaluating Hydroclimatic Change Signals from Statistically and Dynamically Downscaled GCMs and Hydrologic Models. <i>Journal of Hydrometeorology</i> , <b>2014</b> , 15, 844-860	3.7	28
309	Enhancing Climate Resilience at NASA Centers: A Collaboration between Science and Stewardship. <b>2014</b> , 95, 1351-1363		21
308	High-Resolution Probabilistic Projections of Temperature Changes over Ontario, Canada. <b>2014</b> , 27, 525	9-5284	33
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306	An Enhanced Archive Facilitating Climate Impacts and Adaptation Analysis. <b>2014</b> , 95, 1011-1019		49
305	Comment on The added value to global model projections of climate change by dynamical downscaling: A case study over the continental U.S. using the GISS-ModelE2 and WRF models[by Racherla et al <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 3877-3881	4.4	20
304	Inter-comparison of high-resolution gridded climate data sets and their implication on hydrological model simulation over the Athabasca Watershed, Canada. <b>2014</b> , 28, 4250-4271		66
303	Assessment of Bias Assumptions for Climate Models. <b>2014</b> , 27, 6799-6818		29
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301	The effect of horizontal resolution on simulation quality in the Community Atmospheric Model, CAM5.1. <b>2014</b> , 6, 980-997		178
300	Introduction to the regional assessments: Climate change, wildfire, and forest ecosystem services in the USA. <b>2014</b> , 327, 265-268		12

299	Climate Change and Storm Water Infrastructure in the Mid-Atlantic Region: Design Mismatch Coming?. <b>2014</b> , 19, 04014026	15
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297	Regional climate modeling on European scales: a joint standard evaluation of the EURO-CORDEX RCM ensemble. <b>2014</b> , 7, 1297-1333	550
296	Downscaling Maximum Temperatures to Subkilometer Resolutions in the Shenandoah National Park of Virginia, USA. <b>2014</b> , 2014, 1-9	4
295	Communicating climate change: spatial analog versus color-banded isoline maps with and without accompanying text. <b>2014</b> , 41, 55-74	9
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293	Transient twenty-first century changes in daily-scale temperature extremes in the United States. <b>2014</b> , 42, 1383-1404	35
292	Evaluation of the CORDEX-Africa multi-RCM hindcast: systematic model errors. <b>2014</b> , 42, 1189-1202	129
291	Developing a likely climate scenario from multiple regional climate model simulations with an optimal weighting factor. <b>2014</b> , 43, 11-35	12
290	Precipitation frequency analysis based on regional climate simulations in Central Alberta. <b>2014</b> , 510, 436-446	19
289	Sensitivity of seasonal precipitation extremes to model configuration of the Canadian Regional Climate Model over eastern Canada using historical simulations. <b>2014</b> , 43, 2431-2453	4
288	Evaluating the utility of dynamical downscaling in agricultural impacts projections. 2014, 111, 8776-81	55
287	A comparison of projected future precipitation in Wisconsin using global and downscaled climate model simulations: implications for public health. <i>International Journal of Climatology</i> , <b>2014</b> , 34, 3106-3124	20
286	ESTIMATES OF CHANGES IN COUNTY-LEVEL HOUSING PRICES IN THE UNITED STATES UNDER SCENARIOS OF FUTURE CLIMATE CHANGE. <b>2014</b> , 05, 1450009	1
285	Hydrological Variability and Uncertainty of Lower Missouri River Basin Under Changing Climate. <b>2014</b> , 50, 246-260	20
284	A Bayesian spatial factor analysis approach for combining climate model ensembles. <b>2014</b> , 25, 483-497	6
283	Parameter Tuning and Calibration of RegCM3 with MITEmanuel Cumulus Parameterization Scheme over CORDEX East Asia Domain. <b>2014</b> , 27, 7687-7701	49
282	Quantifying the variability of wind energy. <b>2014</b> , 3, 330-342	24

281	Change in North American Atmospheric Conditions Associated with Deep Convection and Severe Weather using CRCM4 Climate Projections. <b>2014</b> , 52, 175-190	13
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278	A Statistical Modeling Framework for Projecting Future Ambient Ozone and its Health Impact due to Climate Change. <b>2014</b> , 89, 290-297	29
277	Global-to-Regional Nested Grid Climate Simulations in the GFDL High Resolution Atmospheric Model. <b>2014</b> , 27, 4890-4910	36
276	Climate Change and Hydrological Response in the Trans-State Oologah Lake Watershed <b>E</b> valuating Dynamically Downscaled NARCCAP and Statistically Downscaled CMIP3 Simulations with VIC Model. <b>2014</b> , 28, 3291-3305	20
275	A hierarchical Bayesian approach for the analysis of climate change impact on runoff extremes. <b>2014</b> , 28, 6292-6308	36
274	LandBea Thermal Contrast and Intensity of the North American Monsoon under Climate Change Conditions. <b>2014</b> , 27, 4566-4580	17
273	Recent and projected future climatic suitability of North America for the Asian tiger mosquito Aedes albopictus. <b>2014</b> , 7, 532	44
272	A penalized maximum likelihood approach for m-year precipitation return values estimation with lattice spatial data. <b>2014</b> ,	
271	Uncertainty in Regional Climate Model Mean Runoff Projections under Climate Change: Case Study of Labrador's Churchill River Basin. <b>2015</b> , 53, 319-331	7
270	VALUE: A framework to validate downscaling approaches for climate change studies. <b>2015</b> , 3, 1-14	112
269	Toward Assessing NARCCAP Regional Climate Model Credibility for the North American Monsoon: Future Climate Simulations*. <b>2015</b> , 28, 6707-6728	30
268	Modeling Streamflow and Water Quality Sensitivity to Climate Change and Urban Development in 20 U.S. Watersheds. <b>2015</b> , 51, 1321-1341	33
267	Climate change in the Northeast United States: An analysis of the NARCCAP multimodel simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 10,569	14
266	Multimodel ensemble projection of precipitation in eastern China under A1B emission scenario.  Journal of Geophysical Research D: Atmospheres, <b>2015</b> , 120, 9965-9980  4-4	27
265	Projected changes in extreme temperature events based on the NARCCAP model suite. <b>2015</b> , 42, 7722-7731	29
264	Cross-Covariance Functions for Multivariate Geostatistics. <b>2015</b> , 30,	132

How well do regional climate models simulate the spatial dependence of precipitation? An 263 application of pair-copula constructions. Journal of Geophysical Research D: Atmospheres, **2015**, 120,  $2624-2646^{13}$ Projection of Indian summer monsoon climate in 20412060 by multiregional and global climate 262 21 models. Journal of Geophysical Research D: Atmospheres, 2015, 120, 1776-1793 Uncertainty in modeled and observed climate change impacts on American Midwest hydrology. 261 9 **2015**, 51, 3635-3646 A Review of Historical and Future Changes of Extratropical Cyclones and Associated Impacts Along 260 49 the US East Coast. 2015, 1, 125-143 Hydrological response to dynamical downscaling of climate model outputs: A case study for 16 259 western and eastern snowmelt-dominated Canada catchments. 2015, 4, 595-610 Challenges and Limitations of Using a DGVM for Local to Regional Applications. 2015, 31-40 258 High-resolution dynamically downscaled projections of precipitation in the mid and late 21st 257 71 century over North America. **2015**, 3, 268-288 Changes of seasonal storm properties in California and Nevada from an ensemble of climate 256 21 4.4 projections. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2676-2688 Evaluation of a Regional Climate Modeling Effort for the Western United States Using a 255 21 Superensemble from Weather@home\*. 2015, 28, 7470-7488 The relative importance of climate change and shrub encroachment on nocturnal warming in the 8 254 3.5 southwestern United States. International Journal of Climatology, 2015, 35, 475-480 Simulating the climate of South Pacific islands using a high resolution model. International Journal 3.5 2 253 of Climatology, 2015, 35, 1157-1171 Biophysical impacts of climate-smart agriculture in the Midwest United States. 2015, 38, 1913-30 252 28 Canadian RCM Projected Transient Changes to Precipitation Occurrence, Intensity, and Return 251 1 Level over North America. 2015, 28, 6920-6937 Statistical downscaling of rainfall changes in Hawaiibased on the CMIP5 global model projections. 250 4.4 71 Journal of Geophysical Research D: Atmospheres, 2015, 120, 92-112 The more extreme nature of U.S. warm season climate in the recent observational record and two Well-performing dynamically downscaled CMIP3 models. Journal of Geophysical Research D: 16 249 4.4 Atmospheres, 2015, 120, 8244-8263 Assessing the Capabilities of Three Regional Climate Models over CORDEX Africa in Simulating 248 43 West African Summer Monsoon Precipitation. 2015, 2015, 1-13 Future population exposure to US heat extremes. 2015, 5, 652-655 247 167 Atmospheric and Terrestrial Water Balances of Labrador's Churchill River Basin, as Simulated by the North American Regional Climate Change Assessment Program. 2015, 53, 304-318

### (2015-2015)

245	Methodology, Metrics, and Results. <b>2015</b> , 28, 978-997	19
244	Sensitivity of lake thermal and mixing dynamics to climate change. <b>2015</b> , 129, 295-305	127
243	Evaluation of WRF Mesoscale Climate Simulations over the Tibetan Plateau during 1979\( \textbf{0}011. \) <b>2015</b> , 28, 2823-2841	125
242	Projecting changes in annual hydropower generation using regional runoff data: An assessment of the United States federal hydropower plants. <b>2015</b> , 80, 239-250	69
241	Seasonal and extreme precipitation characteristics for the watersheds of the Canadian Prairie Provinces as simulated by the NARCCAP multi-RCM ensemble. <b>2015</b> , 44, 255-277	26
240	Downscaled estimates of late 21st century severe weather from CCSM3. <b>2015</b> , 129, 307-321	52
239	Contribution of the North Atlantic subtropical high to regional climate model (RCM) skill in simulating southeastern United States summer precipitation. <b>2015</b> , 45, 477-491	8
238	The Regional Downscaling Approach: a Brief History and Recent Advances. <b>2015</b> , 1, 22-29	35
237	Climate sensitivity runs and regional hydrologic modeling for predicting the response of the greater Florida Everglades ecosystem to climate change. <b>2015</b> , 55, 749-62	46
236	Endangered Quino checkerspot butterfly and climate change: Short-term success but long-term vulnerability?. <b>2015</b> , 19, 185-204	37
235	Uses of Results of Regional Climate Model Experiments for Impacts and Adaptation Studies: the Example of NARCCAP. <b>2015</b> , 1, 1-9	38
234	A Bayesian Hierarchical Model for Heterogeneous RCM&CM Multimodel Ensembles*. <b>2015</b> , 28, 6249-6266	14
233	Multidecadal Evaluation of WRF Downscaling Capabilities over Western Australia in Simulating Rainfall and Temperature Extremes. <i>Journal of Applied Meteorology and Climatology</i> , <b>2015</b> , 54, 370-394	18
232	Multi-model ensemble analysis of runoff extremes for climate change impact assessments. <b>2015</b> , 525, 352-361	67
231	The roles of bias-correction and resolution in regional climate simulations of summer extremes. <b>2015</b> , 45, 1565-1581	7
230	Evaluation of large-scale meteorological patterns associated with temperature extremes in the NARCCAP regional climate model simulations. <b>2015</b> , 45, 3257-3274	16
229	Modeling the impacts of climate change on nitrogen losses and crop yield in a subsurface drained field. <b>2015</b> , 129, 323-335	44
228	Multivariate Order Statistics: Theory and Application. <b>2015</b> , 2, 237-257	1

227	Air quality and climate connections. <b>2015</b> , 65, 645-85	224
226	Changes in Moisture Flux over the Tibetan Plateau during 1979\(\mathbb{0}\)011: Insights from a High-Resolution Simulation. <b>2015</b> , 28, 4185-4197	39
225	Evaluation of Historical and Future Cool Season Precipitation over the Eastern United States and Western Atlantic Storm Track Using CMIP5 Models. <b>2015</b> , 28, 451-467	12
224	The Potential Impact of Regional Climate Change on Fire Weather in the United States. <b>2015</b> , 105, 1-21	23
223	Expanded Decision-Scaling Framework to Select Robust Long-Term Water-System Plans under Hydroclimatic Uncertainties. <b>2015</b> , 141, 04015023	43
222	A Multiresolution Approach to Estimating the Value Added by Regional Climate Models. <b>2015</b> , 28, 8873-8887	5
221	Predicting Onset and Duration of Airborne Allergenic Pollen Season in the United States. <b>2015</b> , 103, 297-306	29
220	Climate change impacts on wave and surge processes in a Pacific Northwest (USA) estuary. <b>2015</b> , 120, 182-200	14
219	Assessing the Added Value of Dynamical Downscaling Using the Standardized Precipitation Index. <b>2016</b> , 2016, 1-14	11
218	Hydrological Climate Change Impact Assessment at Small and Large Scales: Key Messages from Recent Progress in Sweden. <b>2016</b> , 4, 39	29
217	Potential Vegetation and Carbon Redistribution in Northern North America from Climate Change. <b>2016</b> , 4, 2	14
216	Tracking Climate Change through the Spatiotemporal Dynamics of the Teletherms, the Statistically Hottest and Coldest Days of the Year. <i>PLoS ONE</i> , <b>2016</b> , 11, e0154184	2
215	Future Decreases in Freezing Days across North America. <b>2016</b> , 29, 6923-6935	5
214	Evaluation of the southerly low-level jet climatology for the central United States as simulated by NARCCAP regional climate models. <i>International Journal of Climatology</i> , <b>2016</b> , 36, 4338-4357	8
213	Robust climate scenarios for sites with sparse observations: a two-step bias correction approach.  International Journal of Climatology, 2016, 36, 1226-1243  3.5	35
212	Climate change impacts on the power generation potential of a European mid-century wind farms scenario. <b>2016</b> , 11, 034013	84
211	Evaluation of Precipitation Indices over North America from Various Configurations of Regional Climate Models. <b>2016</b> , 54, 418-439	25
210	A multi-step approach for downscaling daily precipitation extremes from historical analogues.  **International Journal of Climatology, <b>2016</b> , 36, 1797-1807**  3.5	12

209	Assessment of NARCCAP model in simulating rainfall extremes using a spatially constrained regionalization method. <i>International Journal of Climatology</i> , <b>2016</b> , 36, 2368-2378	3.5	8
208	Observation-based blended projections from ensembles of regional climate models. <b>2016</b> , 138, 55-69		5
207	Alteration of hydrologic indicators for Korean catchments under CMIP5 climate projections. <b>2016</b> , 30, 4517-4542		9
206	Impact of climate change on precipitation patterns: a comparative approach. <i>International Journal of Climatology</i> , <b>2016</b> , 36, 3588-3606	3.5	27
205	An evaluation of dynamical downscaling of Central Plains summer precipitation using a WRF-based regional climate model at a convection-permitting 4 km resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 13,801-13,825	4.4	29
204	High resolution simulation of nonstationary Gaussian random fields. <b>2016</b> , 101, 277-288		8
203	Projecting changes in regional temperature and precipitation extremes in the United States. <b>2016</b> , 11, 28-40		43
202	Impacts des changements climatiques sur les volumes de crues printanifies de la Cle-Nord du Qubec. <b>2016</b> , 41, 307-318		1
201	RZWQM2 simulated management practices to mitigate climate change impacts on nitrogen losses and corn production. <b>2016</b> , 84, 99-111		20
200	Changes to Bridge Flood Risk under Climate Change. <b>2016</b> , 21, 04016045		4
199	A multiple timescales approach to assess urgency in adaptation to climate change with an application to the tourism industry. <b>2016</b> , 63, 143-150		7
198			
	Robustness of Meteorological Droughts in Dynamically Downscaled Climate Simulations. <b>2016</b> , 52, 138-	-167	6
197	Robustness of Meteorological Droughts in Dynamically Downscaled Climate Simulations. <b>2016</b> , 52, 138- Suitability of Global Circulation Model Downscaled BCCA Daily Precipitation for Local Hydrologic Applications. <b>2016</b> , 21, 06016014	-167	6
197 196	Suitability of Global Circulation Model Downscaled BCCA Daily Precipitation for Local Hydrologic	-167 -4-4	
	Suitability of Global Circulation Model Downscaled BCCA Daily Precipitation for Local Hydrologic Applications. <b>2016</b> , 21, 06016014  High-resolution ensemble projections of near-term regional climate over the continental United	-167 4·4	2
196	Suitability of Global Circulation Model Downscaled BCCA Daily Precipitation for Local Hydrologic Applications. <b>2016</b> , 21, 06016014  High-resolution ensemble projections of near-term regional climate over the continental United States. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 9943-9963  Assessing the long-term hydrological services provided by wetlands under changing climate	-167 4·4 2.8	2 47
196 195	Suitability of Global Circulation Model Downscaled BCCA Daily Precipitation for Local Hydrologic Applications. 2016, 21, 06016014  High-resolution ensemble projections of near-term regional climate over the continental United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9943-9963  Assessing the long-term hydrological services provided by wetlands under changing climate conditions: A case study approach of a Canadian watershed. 2016, 541, 1287-1302  Dynamical Downscaling for Climate Projection with High-Resolution MRI AGCM-RCM. <i>Journal of the</i>	4-4	2 47 18

191	Hot Enough for You? A Spatial Exploratory and Inferential Analysis of North American Climate-Change Projections. <b>2016</b> , 48, 107-121		5
190	The effects of downscaling method on the variability of simulated watershed response to climate change in five U.S. basins. <b>2016</b> , 20, 1-27		15
189	Evaluation of extreme rainfall and temperature over North America in CanRCM4 and CRCM5. <b>2016</b> , 46, 3821-3843		37
188	Projected changes in atmospheric river events in Arizona as simulated by global and regional climate models. <b>2016</b> , 47, 1673-1691		5
187	Changes of storm properties in the United States: Observations and multimodel ensemble projections. <b>2016</b> , 142, 41-52		17
186	Superensemble Regional Climate Modeling for the Western United States. <b>2016</b> , 97, 203-215		27
185	Projecting yield changes of spring wheat under future climate scenarios on the Canadian Prairies. <b>2016</b> , 123, 651-669		40
184	Development and Evaluation of High-Resolution Climate Simulations over the Mountainous Northeastern United States. <i>Journal of Hydrometeorology</i> , <b>2016</b> , 17, 881-896	3.7	8
183	Combined effects of climate models, hydrological model structures and land use scenarios on hydrological impacts of climate change. <b>2016</b> , 535, 301-317		113
182	Using climate change scenarios to evaluate future effectiveness of potential wetlands in mitigating high flows in a Midwestern U.S. watershed. <b>2016</b> , 89, 80-102		17
181	Does Quantile Mapping of Simulated Precipitation Correct for Biases in Transition Probabilities and Spell Lengths?. <b>2016</b> , 29, 1605-1615		55
180	Coordinated Global and Regional Climate Modeling*. <b>2016</b> , 29, 17-35		135
179	A Method to Assess the Wind and Solar Resource and to Quantify Interannual Variability over the United States under Current and Projected Future Climate. <i>Journal of Applied Meteorology and Climatology</i> , <b>2016</b> , 55, 345-363	2.7	24
178	Projected impacts of climate change on wind energy density in the United States. <b>2016</b> , 85, 66-73		38
177	Effects of climate change on residential infiltration and air pollution exposure. 2017, 27, 16-23		16
176	Future changes to drought characteristics over the Canadian Prairie Provinces based on NARCCAP multi-RCM ensemble. <b>2017</b> , 48, 2685-2705		25
175	Climate change projections for the Texas High Plains and Rolling Plains. 2017, 129, 263-280		23
174	Hierarchical stochastic modelling of large river ecosystems and fish growth across spatio-temporal scales and climate models: the Missouri River endangered pallid sturgeon example. <b>2017</b> , 408, 119-145		3

173	Bias-corrected data sets of climate model outputs at uniform spacetime resolution for land surface modelling over Amazonia. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 621-636	5	12
172	Human-induced modifications to land surface fluxes and their implications on water management under past and future climate change conditions. <b>2017</b> , 234-235, 66-79		24
171	Multidecadal convection permitting climate simulations over Belgium: sensitivity of future precipitation extremes. <b>2017</b> , 18, 29-36		16
170	An assessment of historical and projected future hydro-climatic variability and extremes over southern watersheds in the Canadian Prairies. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 3934-3948 <sup>3-1</sup>	5	29
169	Do Convection-Permitting Regional Climate Models Improve Projections of Future Precipitation Change?. <b>2017</b> , 98, 79-93		190
168	A Multialgorithm Reanalysis-Based Freezing-Precipitation Dataset for Climate Studies in the South-Central United States. <i>Journal of Applied Meteorology and Climatology</i> , <b>2017</b> , 56, 495-517	7	2
167	Framework for incorporating climate change on flood magnitude and frequency analysis in the upper Santa Cruz River. <b>2017</b> , 549, 194-207		13
166	Northwest Ohio crop yield benefits of water capture and subirrigation based on future climate change projections. <b>2017</b> , 189, 87-97		7
165	Projected changes in temperature and precipitation indices in Morocco from high-resolution regional climate models. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 4846-4863	5	26
164	Projected changes to short- and long-duration precipitation extremes over the Canadian Prairie Provinces. <b>2017</b> , 49, 1597-1616		7
163	An analysis of the performance of RCMs in simulating current climate over western Canada.  International Journal of Climatology, 2017, 37, 640-658	5	5
162	Climate Change, Agricultural Inputs, Cropping Diversity, and Environmental Covariates in Multivariate Analysis of Future Wheat, Barley, and Canola Yield in Canadian Prairies, a Case Study. <b>2017</b> ,		2
161	The response of future projections of the North American monsoon when combining dynamical downscaling and bias correction of CCSM4 output. <b>2017</b> , 49, 433-447		12
160	Evaluation of the regional climate response in Australia to large-scale climate modes in the historical NARCliM simulations. <b>2017</b> , 49, 2815-2829		16
159	Spatial and temporal characteristics in streamflow-related hydroclimatic variables over western Canada. Part 2: future projections. <b>2017</b> , 48, 932-944		6
158	Using raw regional climate model outputs for quantifying climate change impacts on hydrology. <b>2017</b> , 31, 4398-4413		10
157	Hydro-climatic variability and extremes over the Athabasca River basin: Historical trends and projected future occurrence. <b>2017</b> , 42, 315-335		8
156	Characterizing Sources of Uncertainty from Global Climate Models and Downscaling Techniques.  Journal of Applied Meteorology and Climatology, <b>2017</b> , 56, 3245-3262	7	21

155	Downscaling Extreme Precipitation from CMIP5 Simulations Using Historical Analogs. <i>Journal of Applied Meteorology and Climatology</i> , <b>2017</b> , 56, 2421-2439	2.7	10
154	Evaluation of climate change impacts and effectiveness of adaptation options on crop yield in the Southeastern United States. <b>2017</b> , 214, 228-238		14
153	Probable maximum flood in a changing climate: An overview for Canadian basins. <b>2017</b> , 13, 11-25		17
152	Evaluation of Snow Water Equivalent in NARCCAP Simulations, Including Measures of Observational Uncertainty. <i>Journal of Hydrometeorology</i> , <b>2017</b> , 18, 2425-2452	3.7	12
151	Assessment of a Long-Term High-Resolution Hydroclimatic Dataset for the U.S. Midwest. <b>2017</b> , 21, 1-31		3
150	Quantification of the relative role of land-surface processes and large-scale forcing in dynamic downscaling over the Tibetan Plateau. <b>2017</b> , 48, 1705-1721		47
149	Costs of Water Quality Goals under Climate Change in Urbanizing Watersheds: Difficult Run, Virginia. <b>2017</b> , 143, 04017055		5
148	A multi-model climate response over tropical Africa at +2 °C. <b>2017</b> , 7, 87-95		43
147	Disturbance Distance: quantifying forests' vulnerability to disturbance under current and future conditions. <b>2017</b> , 12, 114015		15
146	Multivariable integrated evaluation of model performance with the vector field evaluation diagram. <b>2017</b> , 10, 3805-3820		6
145	The Impact of Water Content on Sources of Heterotrophic Soil Respiration. 2017, 8, 299		4
144	Assessing the Effects of Climate Change on Water Quantity and Quality in an Urban Watershed Using a Calibrated Stormwater Model. <b>2017</b> , 9, 464		48
143	Estimating future temperature maxima in lakes across the United States using a surrogate modeling approach. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183499	3.7	6
142	Water supply and runoff capture reliability curves for hypothetical rainwater harvesting systems for locations across the U.S. for historical and projected climate conditions. <b>2018</b> , 18, 441-447		2
141	Projecting Canadian Prairie Runoff for 2041 <b>2</b> 070 with North American Regional Climate Change Assessment Program (NARCCAP) Data. <b>2018</b> , 54, 660-675		7
140	Assessing climate change impacts on the reliability of rainwater harvesting systems. <b>2018</b> , 132, 178-189	)	30
139	Evaluation of regional very heavy precipitation events during the summer season using NARCCAP contemporary simulations. <i>International Journal of Climatology</i> , <b>2018</b> , 38, e832	3.5	
138	Climate change impact analysis on watershed using QSWAT. <b>2018</b> , 26, 253-259		4

### (2018-2018)

137	Harmful Algal Blooms, Their Antecedent Conditions and Toxins, and Applications in Predictive Models. <b>2018</b> , 339-357	5
136	Climate change effects on wildland fire risk in the Northeastern and Great Lakes states predicted by a downscaled multi-model ensemble. <b>2018</b> , 131, 625-639	11
135	Investigating added value of regional climate modeling in North American winter storm track simulations. <b>2018</b> , 50, 1799-1818	19
134	Evaluation of CORDEX-Arctic daily precipitation and temperature-based climate indices over Canadian Arctic land areas. <b>2018</b> , 50, 2061-2085	22
133	Confidence regions for spatial excursion sets from repeated random field observations, with an application to climate. <b>2018</b> , 113, 1327-1340	11
132	Big Data Challenges and Hazards Modeling. <b>2018</b> , 193-210	2
131	Convection-permitting regional climate simulations for representing floods in small- and medium-sized catchments in the Eastern Alps. <b>2018</b> , 18, 2653-2674	4
130	Pacific sea surface temperature related influences on North American monsoon precipitation within North American Regional Climate Change Assessment Program models. <i>International Journal</i> 3.5 of Climatology, <b>2018</b> , 38, 4189-4210	2
129	High-Resolution Climate Projections for the Northeastern United States Using Dynamical Downscaling at Convection-Permitting Scales. <b>2018</b> , 5, 801-826	13
128	Meeting Water Quality Goals under Climate Change in Chesapeake Bay Watershed, USA. <b>2018</b> , 54, 1239-125	7 9
127	Responses of Unimpaired Flows, Storage, and Managed Flows to Scenarios of Climate Change in the San Francisco Bay-Delta Watershed. <b>2018</b> , 54, 7631-7650	11
126	Simulated Sensitivity of Urban Green Infrastructure Practices to Climate Change. <b>2018</b> , 22, 1-37	19
125	Extreme Landfalling Atmospheric River Events in Arizona: Possible Future Changes. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 7076-7097	6
124	Future crop yields and water productivity changes for Nebraska rainfed and irrigated crops. <b>2018</b> , 43, 785-795	1
123	Climate Change and Heat-Related Excess Mortality in the Eastern USA. 2018, 15, 485-496	23
122	Comparing Bias Correction Methods Used in Downscaling Precipitation and Temperature from Regional Climate Models: A Case Study from the Kaidu River Basin in Western China. <b>2018</b> , 10, 1046	56
121		56 32

119	Simulating vegetation response to climate change in the Blue Mountains with MC2 dynamic global vegetation model. <b>2018</b> , 10, 20-32	18
118	Evaluation of uncertainties in mean and extreme precipitation under climate change for northwestern Mediterranean watersheds from high-resolution Med and Euro-CORDEX ensembles. 5.5 Hydrology and Earth System Sciences, <b>2018</b> , 22, 673-687	17
117	Downscaling of climate model output for Alaskan stakeholders. <b>2018</b> , 110, 38-51	33
116	Modeled climate change impacts on subirrigated maize relative yield in northwest Ohio. <b>2018</b> , 206, 56-66	8
115	An Intercomparison of GCM and RCM Dynamical Downscaling for Characterizing the Hydroclimatology of California and Nevada. <i>Journal of Hydrometeorology</i> , <b>2018</b> , 19, 1485-1506	9
114	Interpreting Results from the NARCCAP and NA-CORDEX Ensembles in the Context of Uncertainty in Regional Climate Change Projections. <b>2018</b> , 99, 2093-2106	13
113	Automatic Responses of Crop Stocks and Policies Buffer Climate Change Effects on Crop Markets and Price Volatility. <b>2018</b> , 152, 98-105	5
112	Quantifying the risk of heat waves using extreme value theory and spatio-temporal functional data. <b>2019</b> , 131, 176-193	13
111	Mid-Western US heavy summer-precipitation in regional and global climate models: the impact on model skill and consensus through an analogue lens. <b>2019</b> , 52, 1569-1582	2
110	Climatic effects on ice phenology and ice-jam flooding of the Athabasca River in western Canada. <b>2019</b> , 64, 1265-1278	16
109	Influence of the Model Horizontal Resolution on Atmospheric Conditions Leading to Freezing Rain in Regional Climate Simulations. <b>2019</b> , 57, 101-119	1
108	Changes in streamflow and water temperature affect fish habitat in the Athabasca River basin in the context of climate change. <b>2019</b> , 407, 108718	16
107	An Analog Approach for Weather Estimation Using Climate Projections and Reanalysis Data. <i>Journal of Applied Meteorology and Climatology</i> , <b>2019</b> , 58, 1763-1777	2
106	Quantifying and Diagnosing Sources of Uncertainty in Midcentury Changes in North American Snowpack from NARCCAP. <i>Journal of Hydrometeorology</i> , <b>2019</b> , 20, 2229-2252	10
105	Reassessing the Value of Regional Climate Modeling Using Paleoclimate Simulations. <b>2019</b> , 46, 12464-12475	4
104	The effects of changing climate on estuarine water levels: a United States Pacific Northwest case study. <b>2019</b> , 19, 1601-1618	1
103	Reproducing Internal Variability with Few Ensemble Runs. <b>2019</b> , 32, 8511-8522	8
102	Decomposition of Future Moisture Flux Changes over the Tibetan Plateau Projected by Global and Regional Climate Models. <b>2019</b> , 32, 7037-7053	4

101	Statistical Analysis and Stochastic Modelling of Hydrological Extremes. 2019, 11, 1861		16
100	Extreme Precipitation Spatial Analog: In Search of an Alternative Approach for Future Extreme Precipitation in Urban Hydrological Studies. <b>2019</b> , 11, 1032		2
99	Application of Bayesian framework for evaluation of streamflow simulations using multiple climate models. <b>2019</b> , 574, 1110-1128		6
98	Climate Change and Nutrient Loading in the Western Lake Erie Basin: Warming Can Counteract a Wetter Future. <b>2019</b> , 53, 7543-7550		25
97	New York City Panel on Climate Change 2019 Report Chapter 2: New Methods for Assessing Extreme Temperatures, Heavy Downpours, and Drought. <b>2019</b> , 1439, 30-70		15
96	CORDEX-WRF v1.3: development of a module for the Weather Research and Forecasting (WRF) model to support the CORDEX community. <b>2019</b> , 12, 1029-1066		8
95	Quantifying the Variability of Wind Energy. <b>2019</b> , 355-368		1
94	Evaluation of the effects of a multiphysics ensemble on the simulation of an extremely hot summer in 2003 over the CORDEX-EA-II region. <i>International Journal of Climatology</i> , <b>2019</b> , 39, 3413-3430	3.5	7
93	Regionalization and parameterization of a hydrologic model significantly affect the cascade of uncertainty in climate-impact projections. <b>2019</b> , 53, 2861-2886		13
92	Potential Transient Response of Terrestrial Vegetation and Carbon in Northern North America from Climate Change. <b>2019</b> , 7, 113		3
91	Evaluation of Hydroclimatic Variability and Prospective Irrigation Strategies in the U.S. Corn Belt. <b>2019</b> , 11, 2447		3
90	Evaluating wildfire emissions projection methods in comparisons of simulated and observed air quality. <b>2019</b> , 19, 15157-15181		O
89	High-resolution regional climate modeling and projection over western Canada using a weather research forecasting model with a pseudo-global warming approach. <i>Hydrology and Earth System Sciences</i> , <b>2019</b> , 23, 4635-4659	5.5	34
88	Climate of the weakly-forced yet high-impact convective storms throughout the Ohio River Valley and Mid-Atlantic United States. <b>2019</b> , 52, 5709-5721		3
87	Estimating precipitation extremes using the log-histospline. <b>2019</b> , 30, e2543		9
86	Bridging the divide between human and physical geography: Potential avenues for collaborative research on climate modeling. <b>2019</b> , 13, e12418		6
85	Meeting Water Quality Goals by Spatial Targeting of Best Management Practices under Climate Change. <b>2019</b> , 63, 173-184		12
84	Climate change, agricultural inputs, cropping diversity, and environment affect soil carbon and respiration: A case study in Saskatchewan, Canada. <b>2019</b> , 337, 664-678		13

83	Dynamical downscaling of regional climate: A review of methods and limitations. 2019, 62, 365-375	34
82	A new approach to construct representative future forcing data for dynamic downscaling. <b>2020</b> , 55, 315-323	10
81	A nonparametric spectral domain test of spatial isotropy. <b>2020</b> , 204, 177-186	2
80	The Rational SPDE Approach for Gaussian Random Fields With General Smoothness. <b>2020</b> , 29, 274-285	17
79	Simulating precipitation and temperature in the Lake Champlain basin using a regional climate model: limitations and uncertainties. <b>2020</b> , 54, 69-84	7
78	Regional climate models: 30 years of dynamical downscaling. <b>2020</b> , 235, 104785	35
77	Inter-model agreement on projected shifts in California hydroclimate characteristics critical to water management. <b>2020</b> , 162, 1493-1513	6
76	Influence of bias-correcting global climate models for regional climate simulations over the CORDEX-Australasia domain using WRF. <b>2020</b> , 142, 1493-1513	
75	Climate-induced interannual variability and projected change of two harmful algal bloom taxa in Chesapeake Bay, USA. <b>2020</b> , 744, 140947	5
74	Modeling climate change impact on streamflow as affected by snowmelt in Nicolet River Watershed, Quebec. <b>2020</b> , 178, 105756	6
73	Evaluating Multiple WRF Configurations and Forcing over the Northern Patagonian Icecap (NPI) and Baker River Basin. <i>Atmosphere</i> , <b>2020</b> , 11, 815	2
72	Regional climate change projections from NA-CORDEX and their relation to climate sensitivity. <b>2020</b> , 162, 645-665	10
71	Future Crop Yield Projections Using a Multi-model Set of Regional Climate Models and a Plausible Adaptation Practice in the Southeast United States. <i>Atmosphere</i> , <b>2020</b> , 11, 1300	1
70	Weathering Intensity and Presence of Vegetation Are Key Controls on Soil Phosphorus Concentrations: Implications for Past and Future Terrestrial Ecosystems. <b>2020</b> , 4, 73	4
69	CH2018 [National climate scenarios for Switzerland: How to construct consistent multi-model projections from ensembles of opportunity. <b>2020</b> , 20, 100196	4
68	Mid-21st century anthropogenic changes in extreme precipitation and snowpack projections over Newfoundland. <b>2020</b> , 45, 216-236	2
67	A review of SWAT applications, performance and future needs for simulation of hydro-climatic extremes. <b>2020</b> , 143, 103662	51
66	Ice-Jam Flood Risk Assessment and Hazard Mapping under Future Climate. <b>2020</b> , 146, 04020029	13

### (2021-2020)

65	Adaptation strategies for maize production under climate change for semi-arid environments. <b>2020</b> , 115, 126040		22
64	Use of the Autoregressive Integrated Moving Average (ARIMA) Model to Forecast Near-Term Regional Temperature and Precipitation. <b>2020</b> , 35, 959-976		27
63	Adapting urban best management practices for resilience to long-term environmental changes. <b>2020</b> , 92, 2178-2192		1
62	Principal Component Analysis of Spatially Indexed Functions. <b>2020</b> , 1-13		4
61	Evaluation of CORDEX-RCMS and their driving GCMs of CMIP5 in simulation of Indian summer monsoon rainfall and its future projections. <b>2020</b> , 13, 1		2
60	A sandwich smoother for spatio-temporal functional data. <b>2021</b> , 42, 100413		1
59	Hydroclimatic changes in Alaska portrayed by a high-resolution regional climate simulation. <b>2021</b> , 164, 1		1
58	Evaluating the performance of new CORDEX-Africa regional climate models in simulating West African rainfall. 1		1
57	Boundary condition and oceanic impacts on the atmospheric water balance in limited area climate model ensembles. <b>2021</b> , 11, 6228		0
56	Quantifying and projection of the relative impacts of climate change and direct human activities on streamflow fluctuations. <b>2021</b> , 165, 1		2
55	US wildfire potential: a historical view and future projection using high-resolution climate data. <b>2021</b> , 16, 034060		5
54	Modeling impacts of climate change on crop yield and phosphorus loss in a subsurface drained field of Lake Erie region, Canada. <b>2021</b> , 190, 103110		4
53	Evaluating NA-CORDEX historical performance and future change of western U.S. precipitation patterns and modes of variability. <i>International Journal of Climatology</i> , <b>2021</b> , 41, 4509	3.5	3
52	Iowa Urban FEWS: Integrating Social and Biophysical Models for Exploration of Urban Food, Energy, and Water Systems. <b>2021</b> , 4, 662186		2
51	Modelling the effects of climate change, agricultural inputs, cropping diversity, and environment on soil nitrogen and phosphorus: A case study in Saskatchewan, Canada. <b>2021</b> , 252, 106850		1
50	Next-generation regional ocean projections for living marine resource management in a changing climate. <b>2021</b> , 78, 1969-1987		5
49	Niche overlap and divergence times support niche conservatism in eastern Asia astern North America disjunct plants. <b>2021</b> , 30, 1990-2003		3
48	Detecting and Attributing Evapotranspiration Deviations Using Dynamical Downscaling and Convection-Permitting Modeling over the Tibetan Plateau. <b>2021</b> , 13, 2096		1

47	High-Mountain Slope Failures and Recent and Future Warm Extreme Events. 195-222	3
46	Encyclopedia of Sustainability Science and Technology. <b>2012</b> , 8902-8919	3
45	A New Distribution Mapping Technique for Climate Model Bias Correction. <b>2015</b> , 91-99	28
44	Alaskan Regional Climate Changes in Dynamically Downscaled CMIP5 Simulations. <b>2016</b> , 47-60	1
43	Downscaling of Climate Information. <b>2018</b> , 199-269	1
42	Understanding and Predicting Climate Variability and Change at Monsoon Regions. <b>2013</b> , 273-306	4
41	Added value of convection permitting seasonal simulations. <b>2013</b> , 41, 2655	1
40	Sensitivity of CONUS Summer Rainfall to the Selection of Cumulus Parameterization Schemes in NU-WRF Seasonal Simulations. <i>Journal of Hydrometeorology</i> , <b>2017</b> , 18, 1689-1706	9
39	Future Wildfire Trends, Impacts, and Mitigation Options in the Southern United States. 2013, 85-126	4
<b>3</b> 8	Climate-Induced Changes in Vulnerability to Biological Threats in the Southern United States. <b>2013</b> , 127-172	4
37	Assessing the uptake of persistent identifiers by research infrastructure users. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175418	6
36	Reproducibility of Snow by a Non-Hydrostatic Regional Climate Model (NHRCM) Nested in JRA-25. <i>Journal of the Meteorological Society of Japan</i> , <b>2013</b> , 91, 229-238	1
35	Projected changes of temperature and precipitation in Texas from downscaled global climate models. <i>Climate Research</i> , <b>2012</b> , 53, 229-244	25
34	Vegetation and land carbon projections for Wisconsin, USA, in the 21st century. <i>Climate Research</i> , <b>2012</b> , 54, 149-165	2
33	Evaluation and projection of summer extreme precipitation over East Asia in the Regional Model Inter-comparison Project. <i>Climate Research</i> , <b>2016</b> , 69, 45-58	16
32	The impact of climate change on the characteristics of the frost-free season over the contiguous USA as projected by the NARCCAP model ensembles. <i>Climate Research</i> , <b>2017</b> , 72, 53-72	3
31	Tools for Assessing Climate Impacts on Fish and Wildlife. <i>Journal of Fish and Wildlife Management</i> , 2013, 4, 220-241	10
30	Projected Future Wind Speed and Wind Power Density Trends over the Western US High Plains.  Atmospheric and Climate Sciences, <b>2012</b> , 02, 32-40	7

### (2021-2015)

29	NARCCAP Model Skill and Bias for the Southeast United States. <i>American Journal of Climate Change</i> , <b>2015</b> , 04, 94-114	0.7	3
28	Evaluating NARCCAP model performance for frequencies of severe-storm environments. <i>Advances in Statistical Climatology, Meteorology and Oceanography</i> , <b>2016</b> , 2, 137-153	1.5	6
27	Regional climate modeling on European scales: a joint standard evaluation of the EURO-CORDEX RCM ensemble.		36
26	Prediction, time variance, and classification of hydraulic response to recharge in two karst aquifers. <i>Hydrology and Earth System Sciences</i> , <b>2013</b> , 17, 281-294	5.5	19
25	Summary for Decision Makers. <b>2013</b> , 1-20		18
24	Climate Change and U.SMexico Border Communities. <b>2013</b> , 340-384		21
23	Future Climate: Projected Average. <b>2013</b> , 101-125		23
22	Predictability, stationarity, and classification of hydraulic responses to recharge in two karst aquifers.		
21	Uncertainty and Computer Models.		
20	Climate Change and Future Water Supply. <i>Green Chemistry and Chemical Engineering</i> , <b>2016</b> , 285-305		
19	Climate Change Adaptation in North America: A Short Review of Priorities. <i>Climate Change Management</i> , <b>2017</b> , 1-5	0.6	
19		0.6	1
	Management, 2017, 1-5  Assessing NARCCAP climate model effects using spatial confidence regions. Advances in Statistical		1
18	Management, 2017, 1-5  Assessing NARCCAP climate model effects using spatial confidence regions. Advances in Statistical Climatology, Meteorology and Oceanography, 2017, 3, 67-92	1.5	1
18	Management, 2017, 1-5  Assessing NARCCAP climate model effects using spatial confidence regions. Advances in Statistical Climatology, Meteorology and Oceanography, 2017, 3, 67-92  Introduction. 2018, 1-28  Comparison of Linear Predictability of Surface Wind Components from Observations with	1.5	1
18 17 16	Assessing NARCCAP climate model effects using spatial confidence regions. Advances in Statistical Climatology, Meteorology and Oceanography, 2017, 3, 67-92  Introduction. 2018, 1-28  Comparison of Linear Predictability of Surface Wind Components from Observations with Simulations from RCMs and Reanalysis. Journal of Applied Meteorology and Climatology, 2018, 57, 889-9  Impact Assessment of Climate Change in Texas Pavements and Resiliency Strategy. Sustainable Civil	1.5 906 <sup>7</sup>	1
18 17 16 15	Management, 2017, 1-5  Assessing NARCCAP climate model effects using spatial confidence regions. Advances in Statistical Climatology, Meteorology and Oceanography, 2017, 3, 67-92  Introduction. 2018, 1-28  Comparison of Linear Predictability of Surface Wind Components from Observations with Simulations from RCMs and Reanalysis. Journal of Applied Meteorology and Climatology, 2018, 57, 889-99. Impact Assessment of Climate Change in Texas Pavements and Resiliency Strategy. Sustainable Civil Infrastructures, 2019, 38-53	1.5 906 <sup>7</sup>	1

11	Effect of increased greenhouse gas concentration on mean, extreme, and timing of precipitation over Arizona (USA). <i>International Journal of Climatology</i> ,	3.5	1	
10	A 5000-year lacustrine sediment oxygen isotope record of late Holocene climate change in Newfoundland, Canada. <i>Quaternary Science Reviews</i> , <b>2022</b> , 278, 107376	3.9		
9	Future of Winter in Northeastern North America: Climate Indicators Portray Warming and Snow Loss That Will Impact Ecosystems and Communities. <i>Northeastern Naturalist</i> , <b>2022</b> , 28,	0.5	1	
8	Modeling tillage and manure application on soil phosphorous loss under climate change. <i>Nutrient Cycling in Agroecosystems</i> , <b>2022</b> , 122, 219-239	3.3	O	
7	Temporal disaggregation of hourly precipitation under changing climate over the Southeast United States <i>Scientific Data</i> , <b>2022</b> , 9, 211	8.2	1	
6	Impacts of Lake Surface Temperature on the Summer Climate Over the Great Lakes Region. <i>Journal of Geophysical Research D: Atmospheres</i> ,	4.4	3	
5	Framing the Use of Climate Model Projections in Infrastructure Engineering: Practices, Uncertainties, and Recommendations. <i>Journal of Infrastructure Systems</i> , <b>2022</b> , 28,	2.9	O	
4	Elevation-dependent temperature response in early Eocene using paleoclimate model experiment.		Ο	
3	Coupled and Stand-Alone Regional Climate Modeling of Intensive Storms in Western Canada. <b>2023</b> , 28,		0	
2	Assessment of CMIP6 Multi-Model Projections Worldwide: Which Regions Are Getting Warmer and Are Going through a Drought in Africa and Morocco? What Changes from CMIP5 to CMIP6?. <b>2023</b> , 15, 690		0	
1	Correlation-based sparse inverse Cholesky factorization for fast Gaussian-process inference. <b>2023</b> , 33,		O	