

Christopher P Weaver

List of Publications by Year in descending order

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53
papers

3,083
citations

201674

27
h-index

161849

54
g-index

59
all docs

59
docs citations

59
times ranked

4419
citing authors

#	ARTICLE	IF	CITATIONS
1	Using hydrologic landscape classification and climatic time series to assess hydrologic vulnerability of the western U.S. to climate. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 3179-3206.	4.9	2
2	Using Multiobjective Optimization to Inform Green Infrastructure Decisions as Part of Robust Integrated Water Resources Management Plans. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, 1-12.	2.6	8
3	A Framework for Climate Change-Related Research to Inform Environmental Protection. <i>Environmental Management</i> , 2019, 64, 245-257.	2.7	7
4	Rising Sea Levels: Helping Decision-Makers Confront the Inevitable. <i>Coastal Management</i> , 2019, 47, 127-150.	2.0	23
5	Informing Future Risks of Record-Level Rainfall in the United States. <i>Geophysical Research Letters</i> , 2019, 46, 3963-3972.	4.0	19
6	Treading Water: Tools to Help US Coastal Communities Plan for Sea Level Rise Impacts. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	4
7	Reframing Future Risks of Extreme Heat in the United States. <i>Earth's Future</i> , 2018, 6, 1323-1335.	6.3	23
8	Heat-Related Health Impacts under Scenarios of Climate and Population Change. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2438.	2.6	22
9	Reframing climate change assessments around risk: recommendations for the US National Climate Assessment. <i>Environmental Research Letters</i> , 2017, 12, 080201.	5.2	30
10	Key ecological responses to nitrogen are altered by climate change. <i>Nature Climate Change</i> , 2016, 6, 836-843.	18.8	261
11	The Effects of Downscaling Method on the Variability of Simulated Watershed Response to Climate Change in Five U.S. Basins. <i>Earth Interactions</i> , 2016, 20, 1-27.	1.5	24
12	Modeling Streamflow and Water Quality Sensitivity to Climate Change and Urban Development in 20 U.S. Watersheds. <i>Journal of the American Water Resources Association</i> , 2015, 51, 1321-1341.	2.4	47
13	Observational Evidence that Great Plains Irrigation Has Enhanced Summer Precipitation Intensity and Totals in the Midwestern United States. <i>Journal of Hydrometeorology</i> , 2015, 16, 1717-1735.	1.9	43
14	Hydrologic landscape classification evaluates streamflow vulnerability to climate change in Oregon, USA. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 3367-3392.	4.9	19
15	Understanding the Meteorological Drivers of U.S. Particulate Matter Concentrations in a Changing Climate. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 521-532.	3.3	92
16	From global change science to action with social sciences. <i>Nature Climate Change</i> , 2014, 4, 656-659.	18.8	95
17	ESTIMATES OF CHANGES IN COUNTY-LEVEL HOUSING PRICES IN THE UNITED STATES UNDER SCENARIOS OF FUTURE CLIMATE CHANGE. <i>Climate Change Economics</i> , 2014, 05, 1450009.	5.0	2
18	Urban adaptation can roll back warming of emerging megapolitan regions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2909-2914.	7.1	392

#	ARTICLE	IF	CITATIONS
19	Challenges in applying the paradigm of welfare economics to climate change. <i>Journal of Benefit-Cost Analysis</i> , 2014, 5, 347-376.	1.2	14
20	Introduction to a special issue entitled Perspectives on Implementing Benefit-Cost Analysis in Climate Assessment. <i>Journal of Benefit-Cost Analysis</i> , 2014, 5, 333-346.	1.2	4
21	Improving the contribution of climate model information to decision making: the value and demands of robust decision frameworks. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2013, 4, 39-60.	8.1	250
22	Variation in Estimated Ozone-Related Health Impacts of Climate Change due to Modeling Choices and Assumptions. <i>Environmental Health Perspectives</i> , 2012, 120, 1559-1564.	6.0	74
23	Investigating the Sensitivity of U.S. Streamflow and Water Quality to Climate Change: U.S. EPA Global Change Research Program's 20 Watersheds Project. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2012, 138, 453-464.	2.6	48
24	Assessing confidence in management adaptation approaches for climate-sensitive ecosystems. <i>Environmental Research Letters</i> , 2012, 7, 014016.	5.2	3
25	A Preliminary Synthesis of Modeled Climate Change Impacts on U.S. Regional Ozone Concentrations. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1843-1864.	3.3	175
26	Comments on "The Effects of Mesoscale Surface Heterogeneity on the Fair-Weather Convective Atmospheric Boundary Layer". <i>Journals of the Atmospheric Sciences</i> , 2009, 66, 3226-3228.	1.7	6
27	Stochastic Radiative Transfer on Modeled Cloud Fields. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009, 6, 184-188.	3.1	1
28	A Framework for Assessing Climate Change Impacts on Water and Watershed Systems. <i>Environmental Management</i> , 2009, 43, 118-134.	2.7	57
29	Climatic effects of 30 years of landscape change over the Greater Phoenix, Arizona, region: 1. Surface energy budget changes. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	31
30	Climatic effects of 30 years of landscape change over the Greater Phoenix, Arizona, region: 2. Dynamical and thermodynamical response. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	29
31	Evaluating the effects of historical land cover change on summertime weather and climate in New Jersey: Land cover and surface energy budget changes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	20
32	Incorporating water table dynamics in climate modeling: 3. Simulated groundwater influence on coupled land-atmosphere variability. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	125
33	Sensitivity of summer climate to anthropogenic land-cover change over the Greater Phoenix, AZ, region. <i>Journal of Arid Environments</i> , 2008, 72, 1358-1373.	2.4	17
34	Incorporating water table dynamics in climate modeling: 1. Water table observations and equilibrium water table simulations. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	227
35	Incorporating water table dynamics in climate modeling: 2. Formulation, validation, and soil moisture simulation. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	164
36	Dynamical controls on sub-global climate model grid-scale cloud variability for Atmospheric Radiation Measurement Program (ARM) case 4. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	4

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37	Cluster analysis of cloud regimes and characteristic dynamics of midlatitude synoptic systems in observations and a model. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	56
38	Coupling between Large-Scale Atmospheric Processes and Mesoscale Land–Atmosphere Interactions in the U.S. Southern Great Plains during Summer. Part I: Case Studies. <i>Journal of Hydrometeorology</i> , 2004, 5, 1223-1246.	1.9	43
39	Coupling between Large-Scale Atmospheric Processes and Mesoscale Land–Atmosphere Interactions in the U.S. Southern Great Plains during Summer. Part II: Mean Impacts of the Mesoscale. <i>Journal of Hydrometeorology</i> , 2004, 5, 1247-1258.	1.9	27
40	Efficiency of storm tracks an important climate parameter? The role of cloud radiative forcing in poleward heat transport. <i>Journal of Geophysical Research</i> , 2003, 108, ACL 5-1.	3.3	22
41	A preferred scale for landscape forced mesoscale circulations?. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	43
42	Sensitivity of model–simulated summertime precipitation over the Mississippi River Basin to the spatial distribution of initial soil moisture. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	20
43	Impact of historical land cover change on the July climate of the United States. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	47
44	Sensitivity of simulated mesoscale atmospheric circulations resulting from landscape heterogeneity to aspects of model configuration. <i>Journal of Geophysical Research</i> , 2002, 107, LBA 8-1.	3.3	36
45	Atmospheric Disturbances Caused by Human Modification of the Landscape. <i>Bulletin of the American Meteorological Society</i> , 2001, 82, 269-281.	3.3	160
46	Improved Techniques for Evaluating GCM Cloudiness Applied to the NCAR CCM3. <i>Journal of Climate</i> , 2001, 14, 2540-2550.	3.2	85
47	Determination of surface heating by convective cloud systems in the central equatorial Pacific from surface and satellite measurements. <i>Journal of Geophysical Research</i> , 2000, 105, 14807-14821.	3.3	4
48	The Interactions among Cyclone Dynamics, Vertical Thermodynamic Structure, and Cloud Radiative Forcing in the North Atlantic Summertime Storm Track. <i>Journal of Climate</i> , 1999, 12, 2625-2642.	3.2	10
49	Toward a parameterization of mesoscale fluxes and moist convection induced by landscape heterogeneity. <i>Journal of Geophysical Research</i> , 1999, 104, 19515-19533.	3.3	23
50	Relationships between Large-Scale Vertical Velocity, Static Stability, and Cloud Radiative Forcing over Northern Hemisphere Extratropical Oceans*. <i>Journal of Climate</i> , 1997, 10, 2871-2887.	3.2	46
51	The Link between Summertime Cloud Radiative Forcing and Extratropical Cyclones in the North Pacific. <i>Journal of Climate</i> , 1996, 9, 2093-2109.	3.2	27
52	Deductions from a simple climate model: Factors governing surface temperature and atmospheric thermal structure. <i>Journal of Geophysical Research</i> , 1995, 100, 11585.	3.3	47
53	Relationship between clear-sky atmospheric greenhouse effect and deep convection during the Central Equatorial Pacific Experiment: Model calculations and satellite observations. <i>Journal of Geophysical Research</i> , 1994, 99, 25891.	3.3	15