

# Alan M Rhoades

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

921  
citations

471509

17  
h-index

552781

26  
g-index

40  
all docs

40  
docs citations

40  
times ranked

948  
citing authors

#	ARTICLE	IF	CITATIONS
1	A low-to-no snow future and its impacts on water resources in the western United States. <i>Nature Reviews Earth &amp; Environment</i> , 2021, 2, 800-819.	29.7	106
2	The Ongoing Need for High-Resolution Regional Climate Models: Process Understanding and Stakeholder Information. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E664-E683.	3.3	90
3	Characterizing Sierra Nevada Snowpack Using Variable-Resolution CESM. <i>Journal of Applied Meteorology and Climatology</i> , 2016, 55, 173-196.	1.5	66
4	California's Drought of the Future: A Midcentury Recreation of the Exceptional Conditions of 2012–2017. <i>Earth's Future</i> , 2018, 6, 1568-1587.	6.3	64
5	An evaluation of the variable-resolution <sc>CESM</sc> for modeling California's climate. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 345-369.	3.8	63
6	Projecting 21st century snowpack trends in western USA mountains using variable-resolution CESM. <i>Climate Dynamics</i> , 2018, 50, 261-288.	3.8	63
7	Maximizing ENSO as a source of western US hydroclimate predictability. <i>Climate Dynamics</i> , 2020, 54, 351-372.	3.8	52
8	The Shifting Scales of Western U.S. Landfalling Atmospheric Rivers Under Climate Change. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089096.	4.0	47
9	Increases in Future AR Count and Size: Overview of the ARTMIP Tier 2 CMIP5/6 Experiment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	35
10	The Changing Character of the California Sierra Nevada as a Natural Reservoir. <i>Geophysical Research Letters</i> , 2018, 45, 13,008.	4.0	30
11	Sensitivity of Mountain Hydroclimate Simulations in Variable-Resolution CESM to Microphysics and Horizontal Resolution. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1357-1380.	3.8	28
12	Exploring a Variable-Resolution Approach for Simulating Regional Climate in the Rocky Mountain Region Using the VR-CESM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,939.	3.3	27
13	Regional grid refinement in an Earth system model: impacts on the simulated Greenland surface mass balance. <i>Cryosphere</i> , 2019, 13, 1547-1564.	3.9	26
14	Implications of warming on western United States landfalling atmospheric rivers and their flood damages. <i>Weather and Climate Extremes</i> , 2021, 32, 100326.	4.1	25
15	Uncertainties in Atmospheric River Lifecycles by Detection Algorithms: Climatology and Variability. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033711.	3.3	24
16	Assessing Mountains as Natural Reservoirs With a Multimetric Framework. <i>Earth's Future</i> , 2018, 6, 1221-1241.	6.3	23
17	An Intercomparison of GCM and RCM Dynamical Downscaling for Characterizing the Hydroclimatology of California and Nevada. <i>Journal of Hydrometeorology</i> , 2018, 19, 1485-1506.	1.9	18
18	A quantitative method to decompose SWE differences between regional climate models and reanalysis datasets. <i>Scientific Reports</i> , 2019, 9, 16520.	3.3	18

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19	Influences of North Pacific Ocean Domain Extent on the Western U.S. Winter Hydroclimatology in Variable-Resolution CESM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031977.	3.3	17
20	Projecting climate change in South America using variable-resolution Community Earth System Model: An application to Chile. <i>International Journal of Climatology</i> , 2022, 42, 2514-2542.	3.5	17
21	Sources of Subseasonal-to-Seasonal Predictability of Atmospheric Rivers and Precipitation in the Western United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034053.	3.3	13
22	Detection of atmospheric rivers with inline uncertainty quantification: TECA-BARD v1.0.1. <i>Geoscientific Model Development</i> , 2020, 13, 6131-6148.	3.6	13
23	A mechanistic understanding of oxygen isotopic changes in the Western United States at the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2021, 274, 107255.	3.0	13
24	Monitoring the daily evolution and extent of snow drought. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 869-890.	3.6	13
25	Evaluating Variable-Resolution CESM Over China and Western United States for Use in Water-Energy Nexus and Impacts Modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034361.	3.3	8
26	Projecting end-of-century climate extremes and their impacts on the hydrology of a representative California watershed. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 3589-3609.	4.9	5