Alex D Hall

List of Publications by Year
in descending order

62 papers	6,656 citations	87888 38 h-index	118850 62 g-index
66 all docs	66 docs citations	66 times ranked	7239 citing authors

#	Article	IF	Citations
1	Warming increased bark beetleâ€induced tree mortality by 30% during an extreme drought in California. Global Change Biology, 2022, 28, 509-523.	9.5	36
2	Evaluation of a Reanalysisâ€Driven Configuration of WRF4 Over the Western United States From 1980 to 2020. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	9
3	The season for large fires in Southern California is projected to lengthen in a changing climate. Communications Earth & Environment, 2022, 3, .	6.8	31
4	Natural Variability Has Concealed Increases in Western US Flood Hazard Since the 1970s. Geophysical Research Letters, 2022, 49, .	4.0	5
5	Constraining the increased frequency of global precipitation extremes under warming. Nature Climate Change, 2022, 12, 441-448.	18.8	63
6	Assessing the Representation of Synoptic Variability Associated With California Extreme Precipitation in CMIP6 Models. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033938.	3.3	11
7	Evaluation of the Tail of the Probability Distribution of Daily and Subdaily Precipitation in CMIP6 Models. Journal of Climate, 2021, 34, 2701-2721.	3.2	11
8	Assessing Prior Emergent Constraints on Surface Albedo Feedback in CMIP6. Journal of Climate, 2021, 34, 3889-3905.	3.2	11
9	Emergent constraints on climate sensitivities. Reviews of Modern Physics, 2021, 93, .	45.6	28
10	Using Large Ensembles to Identify Regions of Systematic Biases in Moderateâ€toâ€Heavy Daily Precipitation. Geophysical Research Letters, 2021, 48, e2020GL092026.	4.0	6
11	A Distinct Atmospheric Mode for California Precipitation. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034403.	3.3	3
12	Anthropogenic influence on extreme precipitation over global land areas seen in multiple observational datasets. Nature Communications, 2021, 12, 3944.	12.8	74
13	The Convectiveâ€Toâ€Total Precipitation Ratio and the â€œDrizzlingâ€• Bias in Climate Models. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034198.	3.3	30
14	Future precipitation increase from very high resolution ensemble downscaling of extreme atmospheric river storms in California. Science Advances, 2020, 6, eaba1323.	10.3	65
15	Understanding Differences in California Climate Projections Produced by Dynamical and Statistical Downscaling. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032812.	3.3	16
16	Future Warming and Intensification of Precipitation Extremes: A â€œDouble Whammyâ€• Leading to Increasing Flood Risk in California. Geophysical Research Letters, 2020, 47, e2020GL088679.	4.0	22
17	Responses and impacts of atmospheric rivers to climate change. Nature Reviews Earth & Environment, 2020, 1, 143-157.	29.7	171
18	Simulating and Evaluating Atmospheric Riverâ€Induced Precipitation Extremes Along the U.S. Pacific Coast: Case Studies From 1980â€"2017. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031554.	3.3	12

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19	Recent California tree mortality portends future increase in drought-driven forest die-off. Environmental Research Letters, 2020, 15, 124040.	5.2	20
20	An emergent constraint on future Arctic sea-ice albedo feedback. Nature Climate Change, 2019, 9, 972-978.	18.8	89
21	Snow and Climate: Feedbacks, Drivers, and Indices of Change. Current Climate Change Reports, 2019, 5, 322-333.	8.6	64
22	Progressing emergent constraints on future climate change. Nature Climate Change, 2019, 9, 269-278.	18.8	195
23	Understanding Endâ€ofâ€Century Snowpack Changes Over California's Sierra Nevada. Geophysical Research Letters, 2019, 46, 933-943.	4.0	28
24	Taking climate model evaluation to the next level. Nature Climate Change, 2019, 9, 102-110.	18.8	407
25	Increasing precipitation volatility in twenty-first-century California. Nature Climate Change, 2018, 8, 427-433.	18.8	565
26	An Assessment of High-Resolution Gridded Temperature Datasets over California. Journal of Climate, 2018, 31, 3789-3810.	3.2	41
27	A Hierarchical Statistical Framework for Emergent Constraints: Application to Snowâ€Albedo Feedback. Geophysical Research Letters, 2018, 45, 13,050.	4.0	30
28	ESM-SnowMIP: assessing snow models and quantifying snow-related climate feedbacks. Geoscientific Model Development, 2018, 11, 5027-5049.	3.6	119
29	On the Connection Between Global Hydrologic Sensitivity and Regional Wet Extremes. Geophysical Research Letters, 2018, 45, 11,343.	4.0	40
30	Anthropogenic Warming Impacts on Today's Sierra Nevada Snowpack and Flood Risk. Geophysical Research Letters, 2018, 45, 6215-6222.	4.0	55
31	Why Do Models Produce Spread in Snow Albedo Feedback?. Geophysical Research Letters, 2018, 45, 6223-6231.	4.0	34
32	Incorporating Snow Albedo Feedback into Downscaled Temperature and Snow Cover Projections for Californiaâ€™s Sierra Nevada. Journal of Climate, 2017, 30, 1417-1438.	3.2	51
33	Anthropogenic warming impacts on California snowpack during drought. Geophysical Research Letters, 2017, 44, 2511-2518.	4.0	79
34	Significant and Inevitable End-of-Twenty-First-Century Advances in Surface Runoff Timing in Californiaâ€™s Sierra Nevada. Journal of Hydrometeorology, 2017, 18, 3181-3197.	1.9	17
35	Twenty-First-Century Snowfall and Snowpack Changes over the Southern California Mountains. Journal of Climate, 2016, 29, 91-110.	3.2	38
36	Importance of vegetation processes for model spread in the fast precipitation response to CO 2 forcing. Geophysical Research Letters, 2016, 43, 12,550.	4.0	20

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37	Shallowness of tropical low clouds as a predictor of climate modelsâ€™ response to warming. Climate Dynamics, 2016, 47, 433-449.	3.8	92
38	Emergent Constraints for Cloud Feedbacks. Current Climate Change Reports, 2015, 1, 276-287.	8.6	142
39	Positive tropical marine lowâ€cloud cover feedback inferred from cloudâ€controlling factors. Geophysical Research Letters, 2015, 42, 7767-7775.	4.0	135
40	Identification of two distinct fire regimes in Southern California: implications for economic impact and future change. Environmental Research Letters, 2015, 10, 094005.	5.2	75
41	An observational radiative constraint on hydrologic cycle intensification. Nature, 2015, 528, 249-253.	27.8	119
42	A Hybrid Dynamicalâ€"Statistical Downscaling Technique. Part II: End-of-Century Warming Projections Predict a New Climate State in the Los Angeles Region. Journal of Climate, 2015, 28, 4618-4636.	3.2	57
43	A Hybrid Dynamicalâ€"Statistical Downscaling Technique. Part I: Development and Validation of the Technique. Journal of Climate, 2015, 28, 4597-4617.	3.2	87
44	Increased Interannual Precipitation Extremes over California under Climate Change. Journal of Climate, 2015, 28, 6324-6334.	3.2	141
45	Towards predictive understanding of regional climate change. Nature Climate Change, 2015, 5, 921-930.	18.8	253
46	Twenty-First-Century Precipitation Changes over the Los Angeles Region*. Journal of Climate, 2015, 28, 401-421.	3.2	24
47	Projecting regional change. Science, 2014, 346, 1461-1462.	12.6	123
48	On the persistent spread in snow-albedo feedback. Climate Dynamics, 2014, 42, 69-81.	3.8	178
49	Contrasting controls on wildland fires in Southern California during periods with and without Santa Ana winds. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 432-450.	3.0	66
50	California Winter Precipitation Change under Global Warming in the Coupled Model Intercomparison Project Phase 5 Ensemble. Journal of Climate, 2013, 26, 6238-6256.	3.2	144
51	Accumulation and melt dynamics of snowpack from a multiresolution regional climate model in the central Sierra Nevada, California. Journal of Geophysical Research, 2011, 116, .	3.3	35
52	Observed Climateâ€"Snowpack Relationships in California and their Implications for the Future. Journal of Climate, 2010, 23, 3446-3456.	3.2	82
53	Current GCMsâ€™ Unrealistic Negative Feedback in the Arctic. Journal of Climate, 2009, 22, 4682-4695.	3.2	96
54	September sea-ice cover in the Arctic Ocean projected to vanish by 2100. Nature Geoscience, 2009, 2, 341-343.	12.9	286

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55	Circulation responses to snow albedo feedback in climate change. Geophysical Research Letters, 2009, 36, .	4.0	45
56	What Controls the Strength of Snow-Albedo Feedback?. Journal of Climate, 2007, 20, 3971-3981.	3.2	181
57	Dynamical controls on the diurnal cycle of temperature in complex topography. Climate Dynamics, 2007, 29, 277-292.	3.8	37
58	Using the current seasonal cycle to constrain snow albedo feedback in future climate change. Geophysical Research Letters, 2006, 33, .	4.0	305
59	How Well Do We Understand and Evaluate Climate Change Feedback Processes?. Journal of Climate, 2006, 19, 3445-3482.	3.2	849
60	Assessing Snow Albedo Feedback in Simulated Climate Change. Journal of Climate, 2006, 19, 2617-2630.	3.2	105
61	The Role of Surface Albedo Feedback in Climate. Journal of Climate, 2004, 17, 1550-1568.	3.2	403
62	The Role of Water Vapor Feedback in Unperturbed Climate Variability and Global Warming. Journal of Climate, 1999, 12, 2327-2346.	3.2	100