David Pierce

List of Publications by Citations

50 papers	4,306 citations	31 h-index	51 g-index
51 ext. papers	4,845 ext. citations	6.2 avg, IF	5.44 L-index

#	Paper	IF	Citations
50	Future dryness in the southwest US and the hydrology of the early 21st century drought. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 21271-6	11.5	476
49	Selecting global climate models for regional climate change studies. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 8441-6	11.5	435
48	Detection of anthropogenic climate change in the world's oceans. *Science*, **2001**, 292, 270-4	33.3	300
47	Detection and Attribution of Streamflow Timing Changes to Climate Change in the Western United States. *Journal of Climate*, **2009**, 22, 3838-3855	4.4	214
46	Statistical Downscaling Using Localized Constructed Analogs (LOCA)*. *Journal of Hydrometeorology* , **2014**, 15, 2558-2585	3.7	208
45	Attribution of Declining Western U.S. Snowpack to Human Effects. *Journal of Climate*, **2008**, 21, 6425-6444	4.4	198
44	A spatially comprehensive, hydrometeorological data set for Mexico, the U.S., and Southern Canada 1950-2013. *Scientific Data*, **2015**, 2, 150042	8.2	185
43	The key role of dry days in changing regional climate and precipitation regimes. *Scientific Reports*, **2014**, 4, 4364	4.9	178
42	Interdecadal interactions between the tropics and midlatitudes in the Pacific Basin. *Geophysical Research Letters*, **1999**, 26, 615-618	4.9	174
41	Precipitation in a warming world: Assessing projected hydro-climate changes in California and other Mediterranean climate regions. *Scientific Reports*, **2017**, 7, 10783	4.9	167
40	When will Lake Mead go dry?. *Water Resources Research*, **2008**, 44,	5.4	149
39	Improved Bias Correction Techniques for Hydrological Simulations of Climate Change*. *Journal of Hydrometeorology*, **2015**, 16, 2421-2442	3.7	144
38	Probabilistic estimates of future changes in California temperature and precipitation using statistical and dynamical downscaling. *Climate Dynamics*, **2013**, 40, 839-856	4.2	115
37	Human-induced global ocean warming on multidecadal timescales. *Nature Climate Change*, **2012**, 2, 524-529	17.4	105
36	Detection and Attribution of Temperature Changes in the Mountainous Western United States. *Journal of Climate*, **2008**, 21, 6404-6424	4.4	97
35	Bias correction can modify climate model simulated precipitation changes without adverse effect on the ensemble mean. *Hydrology and Earth System Sciences*, **2014**, 18, 915-925	5.5	95
34	The role of ocean dynamics in producing decadal climate variability in the North Pacific. *Climate Dynamics*, **2001**, 18, 51-70	4.2	86

33	Anthropogenic Warming of the Oceans: Observations and Model Results. *Journal of Climate*, **2006**, 19, 1873-1900	4.4	85
32	Precipitation regime change in Western North America: The role of Atmospheric Rivers. *Scientific Reports*, **2019**, 9, 9944	4.9	82
31	The Key Role of Heavy Precipitation Events in Climate Model Disagreements of Future Annual Precipitation Changes in California. *Journal of Climate*, **2013**, 26, 5879-5896	4.4	82
30	Increases in flood magnitudes in California under warming climates. *Journal of Hydrology*, **2013**, 501, 101-110	6	81
29	The fingerprint of human-induced changes in the ocean's salinity and temperature fields. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	67
28	Pacific thermocline bridge revisited. *Geophysical Research Letters*, **1999**, 26, 1329-1332	4.9	65
27	The importance of warm season warming to western U.S. streamflow changes. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	57
26	Natural climate variability and teleconnections to precipitation over the Pacific-North American region in CMIP3 and CMIP5 models. *Geophysical Research Letters*, **2013**, 40, 2296-2301	4.9	52
25	Western U.S. Extreme Precipitation Events and Their Relation to ENSO and PDO in CCSM4. *Journal of Climate*, **2013**, 26, 4231-4243	4.4	51
24	Structure and Detectability of Trends in Hydrological Measures over the Western United States. *Journal of Hydrometeorology*, **2009**, 10, 871-892	3.7	47
23	Three-dimensional tropospheric water vapor in coupled climate models compared with observations from the AIRS satellite system. *Geophysical Research Letters*, **2006**, 33,	4.9	43
22	Variability of ocean heat uptake: Reconciling observations and models. *Journal of Geophysical Research*, **2006**, 111,		40
21	The Role of Climate Forecasts in Western U.S. Power Planning. *Journal of Applied Meteorology and Climatology*, **2006**, 45, 653-673	2.7	35
20	The ACPI Project, Element 1: Initializing a Coupled Climate Model from Observed Conditions. *Climatic Change*, **2004**, 62, 13-28	4.5	34
19	Heat wave probability in the changing climate of the Southwest US. *Climate Dynamics*, **2018**, 50, 3853-3864	4.4	29
18	Interannual modulation of subtropical Atlantic boreal summer dust variability by ENSO. *Climate Dynamics*, **2016**, 46, 585-599	4.2	19
17	Difficult but not impossible. *Nature Climate Change*, **2011**, 1, 72-72	21.4	18
16	Future Changes in Biological Activity in the North Pacific Due to Anthropogenic Forcing of the Physical Environment. *Climatic Change*, **2004**, 62, 389-418	4.5	15

15	Downscaling humidity with Localized Constructed Analogs (LOCA) over the conterminous United States. *Climate Dynamics*, **2016**, 47, 411-431	4.2	14
14	Interannual to decadal climate variability of sea salt aerosols in the coupled climate model CESM1.0. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 1502-1519	4.4	13
13	Responses of Unimpaired Flows, Storage, and Managed Flows to Scenarios of Climate Change in the San Francisco Bay-Delta Watershed. *Water Resources Research*, **2018**, 54, 7631-7650	5.4	11
12	Evaluation of Hydrologically Relevant PCM Climate Variables and Large-Scale Variability over the Continental U.S.. *Climatic Change*, **2004**, 62, 45-74	4.5	8
11	Projected Changes in Reference Evapotranspiration in California and Nevada: Implications for Drought and Wildland Fire Danger. *Earth's Future*, **2020**, 8, e2020EF001736	7.9	8
10	Understanding Differences in California Climate Projections Produced by Dynamical and Statistical Downscaling. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD032812	4.4	7
9	Projected Changes of Precipitation Characteristics Depend on Downscaling Method and Training Data: MACA versus LOCA Using the U.S. Northeast as an Example. *Journal of Hydrometeorology*, **2020**, 21, 2739-2758	3.7	6
8	A Deficit of Seasonal Temperature Forecast Skill over West Coast Regions in NMME. *Weather and Forecasting*, **2019**, 34, 833-848	2.1	2
7	An extreme-preserving long-term gridded daily precipitation data set for the conterminous United States. *Journal of Hydrometeorology*, **2021**,	3.7	2
6	Ignitions explain more than temperature or precipitation in driving Santa Ana wind fires. *Science Advances*, **2021**, 7,	14.3	2
5	Reply to comment by J. J. Barsugli et al. on "When will Lake Mead go dry?" *Water Resources Research*, **2009**, 45,	5.4	1
4	When will Lake Mead go dry? **2008**, 44,		1
3	The key role of dry days in changing regional climate and precipitation regimes		1
2	Hot and cold flavors of southern California's Santa Ana winds: their causes, trends, and links with wildfire. *Climate Dynamics*, **2021**, 57, 1-16	4.2	0
1	Identifying and correcting biases in localized downscaling estimates of daily precipitation return values. *Climatic Change*, **2021**, 169, 1	4.5	