David Pierce

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3570481/publications.pdf

Version: 2024-02-01

51	5,456	156536	232693
papers	citations	32	48
		h-index	g-index

51	51	51	7457
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluating Global Climate Models for Hydrological Studies of the Upper Colorado River Basin. Journal of the American Water Resources Association, 2022, 58, 709-734.	1.0	4
2	Hot and cold flavors of southern Californiaâ€™s Santa Ana winds: their causes, trends, and links with wildfire. Climate Dynamics, 2021, 57, 2233-2248.	1.7	14
3	An extreme-preserving long-term gridded daily precipitation data set for the conterminous United States. Journal of Hydrometeorology, 2021, , .	0.7	10
4	Ignitions explain more than temperature or precipitation in driving Santa Ana wind fires. Science Advances, 2021, 7, .	4.7	11
5	Identifying and correcting biases in localized downscaling estimates of daily precipitation return values. Climatic Change, 2021, 169, 1.	1.7	0
6	Understanding Differences in California Climate Projections Produced by Dynamical and Statistical Downscaling. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032812.	1.2	16
7	Projected Changes in Reference Evapotranspiration in California and Nevada: Implications for Drought and Wildland Fire Danger. Earth's Future, 2020, 8, e2020EF001736.	2.4	27
8	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.	0.7	19
9	Precipitation regime change in Western North America: The role of Atmospheric Rivers. Scientific Reports, 2019, 9, 9944.	1.6	153
10	A Deficit of Seasonal Temperature Forecast Skill over West Coast Regions in NMME. Weather and Forecasting, 2019, 34, 833-848.	0.5	2
11	Heat wave probability in the changing climate of the Southwest US. Climate Dynamics, 2018, 50, 3853-3864.	1.7	42
12	Responses of Unimpaired Flows, Storage, and Managed Flows to Scenarios of Climate Change in the San Francisco Bayâ€Delta Watershed. Water Resources Research, 2018, 54, 7631-7650.	1.7	16
13	Precipitation in a warming world: Assessing projected hydro-climate changes in California and other Mediterranean climate regions. Scientific Reports, 2017, 7, 10783.	1.6	238
14	Downscaling humidity with Localized Constructed Analogs (LOCA) over the conterminous United States. Climate Dynamics, 2016, 47, 411-431.	1.7	22
15	Interannual modulation of subtropical Atlantic boreal summer dust variability by ENSO. Climate Dynamics, 2016, 46, 585-599.	1.7	21
16	A spatially comprehensive, hydrometeorological data set for Mexico, the U.S., and Southern Canada 1950â€“2013. Scientific Data, 2015, 2, 150042.	2.4	277
17	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.	1.2	13
18	Improved Bias Correction Techniques for Hydrological Simulations of Climate Change*. Journal of Hydrometeorology, 2015, 16, 2421-2442.	0.7	220

#	Article	IF	Citations
19	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.	1.9	125
20	Statistical Downscaling Using Localized Constructed Analogs (LOCA)*. Journal of Hydrometeorology, 2014, 15, 2558-2585.	0.7	312
21	The key role of dry days in changing regional climate and precipitation regimes. Scientific Reports, 2014, 4, 4364.	1.6	255
22	Probabilistic estimates of future changes in California temperature and precipitation using statistical and dynamical downscaling. Climate Dynamics, 2013, 40, 839-856.	1.7	136
23	Western U.S. Extreme Precipitation Events and Their Relation to ENSO and PDO in CCSM4. Journal of Climate, 2013, 26, 4231-4243.	1.2	61
24	Increases in flood magnitudes in California under warming climates. Journal of Hydrology, 2013, 501, 101-110.	2.3	98
25	Natural climate variability and teleconnections to precipitation over the Pacificâ€North American region in CMIP3 and CMIP5 models. Geophysical Research Letters, 2013, 40, 2296-2301.	1.5	58
26	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.	1.2	93
27	Human-induced global ocean warming onÂmultidecadal timescales. Nature Climate Change, 2012, 2, 524-529.	8.1	116
28	The fingerprint of humanâ€induced changes in the ocean's salinity and temperature fields. Geophysical Research Letters, 2012, 39, .	1.5	74
29	The importance of warm season warming to western U.S. streamflow changes. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	77
30	Difficult but not impossible. Nature Climate Change, 2011, 1, 72-72.	8.1	18
31	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, 21271-21276.	3.3	567
32	Selecting global climate models for regional climate change studies. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8441-8446.	3.3	525
33	Structure and Detectability of Trends in Hydrological Measures over the Western United States. Journal of Hydrometeorology, 2009, 10, 871-892.	0.7	51
34	Reply to comment by J. J. Barsugli et al. on â€œWhen will Lake Mead go dry?â€• Water Resources Research, 2009, 45, .	1.7	2
35	Detection and Attribution of Streamflow Timing Changes to Climate Change in the Western United States. Journal of Climate, 2009, 22, 3838-3855.	1.2	260
36	When will Lake Mead go dry?. Water Resources Research, 2008, 44, .	1.7	180

#	Article	IF	Citations
37	Attribution of Declining Western U.S. Snowpack to Human Effects. Journal of Climate, 2008, 21, 6425-6444.	1.2	217
38	Detection and Attribution of Temperature Changes in the Mountainous Western United States. Journal of Climate, 2008, 21, 6404-6424.	1.2	109
39	When will Lake Mead go dry?. , 2008, .		1
40	Variability of ocean heat uptake: Reconciling observations and models. Journal of Geophysical Research, 2006, 111, .	3.3	43
41	Three-dimensional tropospheric water vapor in coupled climate models compared with observations from the AIRS satellite system. Geophysical Research Letters, 2006, 33, .	1.5	55
42	Anthropogenic Warming of the Oceans: Observations and Model Results. Journal of Climate, 2006, 19, 1873-1900.	1.2	95
43	The Role of Climate Forecasts in Western U.S. Power Planning. Journal of Applied Meteorology and Climatology, 2006, 45, 653-673.	0.6	41
44	The ACPI Project, Element 1: Initializing a Coupled Climate Model from Observed Conditions. Climatic Change, 2004, 62, 13-28.	1.7	43
45	Evaluation of Hydrologically Relevant PCM Climate Variables and Large-Scale Variability over the Continental U.S.. Climatic Change, 2004, 62, 45-74.	1.7	12
46	Future Changes in Biological Activity in the North Pacific Due to Anthropogenic Forcing of the Physical Environment. Climatic Change, 2004, 62, 389-418.	1.7	16
47	Detection of Anthropogenic Climate Change in the World's Oceans. Science, 2001, 292, 270-274.	6.0	357
48	The role of ocean dynamics in producing decadal climate variability in the North Pacific. Climate Dynamics, 2001, 18, 51-70.	1.7	89
49	Interdecadal interactions between the tropics and midlatitudes in the Pacific Basin. Geophysical Research Letters, 1999, 26, 615-618.	1.5	190
50	Pacific thermocline bridge revisited. Geophysical Research Letters, 1999, 26, 1329-1332.	1.5	74
51	The key role of dry days in changing regional climate and precipitation regimes. , 0, .		1