Andrew J Newman

List of Publications by Year
in descending order

35 papers	2,528 citations	331670 21 h-index	361022 35 g-index
62 all docs	62 docs citations	62 times ranked	2522 citing authors

#	Article	IF	Citations
1	Estimating Heatâ€Related Exposures and Urban Heat Island Impacts: A Case Study for the 2012 Chicago Heatwave. GeoHealth, 2022, 6, e2021GH000535.	4.0	9
2	Revisiting parameter sensitivities in the variable infiltration capacity model across a hydroclimatic gradient. Hydrology and Earth System Sciences, 2022, 26, 3419-3445.	4.9	8
3	Hydroclimatic changes in Alaska portrayed by a high-resolution regional climate simulation. Climatic Change, 2021, 164, 1.	3.6	2
4	Acute associations between heatwaves and preterm and early-term birth in 50 US metropolitan areas: a matched case-control study. Environmental Health, 2021, 20, 47.	4.0	17
5	EMDNA: an Ensemble Meteorological Dataset for North America. Earth System Science Data, 2021, 13, 3337-3362.	9.9	22
6	Identifying sensitivities in flood frequency analyses using a stochastic hydrologic modeling system. Hydrology and Earth System Sciences, 2021, 25, 5603-5621.	4.9	8
7	Leveraging ensemble meteorological forcing data to improve parameter estimation of hydrologic models. Hydrological Processes, 2021, 35, e14410.	2.6	5
8	Kilometer-scale modeling projects a tripling of Alaskan convective storms in future climate. Climate Dynamics, 2020, 55, 3543-3564.	3.8	20
9	Probabilistic Spatial Meteorological Estimates for Alaska and the Yukon. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032696.	3.3	11
10	TIER version 1.0: an open-source Topographically InformEd Regression (TIER) model to estimate spatial meteorological fields. Geoscientific Model Development, 2020, 13, 1827-1843.	3.6	5
11	Characterizing the Uncertainty and Assessing the Value of Gap-Filled Daily Rainfall Data in Hawaii. Journal of Applied Meteorology and Climatology, 2020, 59, 1261-1276.	1.5	21
12	SCDNA: a serially complete precipitation and temperature dataset for North America from 1979 to 2018. Earth System Science Data, 2020, 12, 2381-2409.	9.9	35
13	Future streamflow regime changes in the United States: assessment using functional classification. Hydrology and Earth System Sciences, 2020, 24, 3951-3966.	4.9	50
14	Methodological Intercomparisons of Station-Based Gridded Meteorological Products: Utility, Limitations, and Paths Forward. Journal of Hydrometeorology, 2019, 20, 531-547.	1.9	20
15	On the choice of calibration metrics for â€œhigh-flowâ€• estimation using hydrologic models. Hydrology and Earth System Sciences, 2019, 23, 2601-2614.	4.9	110
16	High-Resolution Gridded Daily Rainfall and Temperature for the Hawaiian Islands (1990â€“2014). Journal of Hydrometeorology, 2019, 20, 489-508.	1.9	21
17	Use of Daily Station Observations to Produce High-Resolution Gridded Probabilistic Precipitation and Temperature Time Series for the Hawaiian Islands. Journal of Hydrometeorology, 2019, 20, 509-529.	1.9	21
18	Dual-wavelength radar technique development for snow rate estimation: a case study from GCPEx. Atmospheric Measurement Techniques, 2019, 12, 1409-1427.	3.1	13

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19	Can Convectionâ€Permitting Modeling Provide Decent Precipitation for Offline Highâ€Resolution Snowpack Simulations Over Mountains?. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12631-12654.	3.3	31
20	Diagnostic Evaluation of Largeâ€Domain Hydrologic Models Calibrated Across the Contiguous United States. Journal of Geophysical Research D: Atmospheres, 2019, 124, 13991-14007.	3.3	29
21	High-Resolution Historical Climate Simulations over Alaska. Journal of Applied Meteorology and Climatology, 2018, 57, 709-731.	1.5	17
22	Spatiotemporal patterns of precipitation inferred from streamflow observations across the Sierra Nevada mountain range. Journal of Hydrology, 2018, 556, 993-1012.	5.4	34
23	An assessment of differences in gridded precipitation datasets in complex terrain. Journal of Hydrology, 2018, 556, 1205-1219.	5.4	201
24	A Ranking of Hydrological Signatures Based on Their Predictability in Space. Water Resources Research, 2018, 54, 8792-8812.	4.2	144
25	Mapping (dis)agreement in hydrologic projections. Hydrology and Earth System Sciences, 2018, 22, 1775-1791.	4.9	59
26	Benchmarking of a Physically Based Hydrologic Model. Journal of Hydrometeorology, 2017, 18, 2215-2225.	1.9	79
27	Continental-scale convection-permitting modeling of the current and future climate of North America. Climate Dynamics, 2017, 49, 71-95.	3.8	362
28	Towards seamless largeâ€domain parameter estimation for hydrologic models. Water Resources Research, 2017, 53, 8020-8040.	4.2	108
29	The CAMELS data set: catchment attributes and meteorology for large-sample studies. Hydrology and Earth System Sciences, 2017, 21, 5293-5313.	4.9	316
30	Evaluation of snow data assimilation using the ensemble Kalman filter for seasonal streamflow prediction in the western United States. Hydrology and Earth System Sciences, 2017, 21, 635-650.	4.9	52
31	Implications of the Methodological Choices for Hydrologic Portrayals of Climate Change over the Contiguous United States: Statistically Downscaled Forcing Data and Hydrologic Models. Journal of Hydrometeorology, 2016, 17, 73-98.	1.9	59
32	Development of a large-sample watershed-scale hydrometeorological data set for the contiguous USA: data set characteristics and assessment of regional variability in hydrologic model performance. Hydrology and Earth System Sciences, 2015, 19, 209-223.	4.9	310
33	Effects of Hydrologic Model Choice and Calibration on the Portrayal of Climate Change Impacts. Journal of Hydrometeorology, 2015, 16, 762-780.	1.9	84
34	Gridded Ensemble Precipitation and Temperature Estimates for the Contiguous United States. Journal of Hydrometeorology, 2015, 16, 2481-2500.	1.9	124
35	Presenting the Snowflake Video Imager (SVI). Journal of Atmospheric and Oceanic Technology, 2009, 26, 167-179.	1.3	104