Patrick D Broxton

List of Publications by Year
in descending order

19 papers	785 citations	623734 14 h-index	794594 19 g-index
19 all docs	19 docs citations	19 times ranked	1215 citing authors

#	Article	IF	Citations
1	Assessment of Snowfall Accumulation from Satellite and Reanalysis Products Using SNOTEL Observations in Alaska. Remote Sensing, 2021, 13, 2922.	4.0	7
2	Accounting for Fineâ€Scale Forest Structure is Necessary to Model Snowpack Mass and Energy Budgets in Montane Forests. Water Resources Research, 2021, 57, e2021WR029716.	4.2	10
3	Structure from Motion of Multi-Angle RPAS Imagery Complements Larger-Scale Airborne Lidar Data for Cost-Effective Snow Monitoring in Mountain Forests. Remote Sensing, 2020, 12, 2311.	4.0	8
4	Estimating the Effects of Forest Structure Changes From Wildfire on Snow Water Resources Under Varying Meteorological Conditions. Water Resources Research, 2020, 56, e2020WR027071.	4.2	24
5	Forest cover and topography regulate the thin, ephemeral snowpacks of the semiarid Southwest United States. Ecohydrology, 2020, 13, e2202.	2.4	14
6	Increasing the efficacy of forest thinning for snow using highâ€resolution modeling: A proof of concept in the Lake Tahoe Basin, California, USA. Ecohydrology, 2020, 13, e2203.	2.4	15
7	Using Process Based Snow Modeling and Lidar to Predict the Effects of Forest Thinning on the Northern Sierra Nevada Snowpack. Frontiers in Forests and Global Change, 2020, 3, .	2.3	19
8	Improving Snow Water Equivalent Maps With Machine Learning of Snow Survey and Lidar Measurements. Water Resources Research, 2019, 55, 3739-3757.	4.2	65
9	A Wetâ€Bulb Temperatureâ€Based Rainâ€Snow Partitioning Scheme Improves Snowpack Prediction Over the Drier Western United States. Geophysical Research Letters, 2019, 46, 13825-13835.	4.0	39
10	Evaluation of Remotely Sensed Snow Water Equivalent and Snow Cover Extent over the Contiguous United States. Journal of Hydrometeorology, 2018, 19, 1777-1791.	1.9	37
11	Snowpack Change From 1982 to 2016 Over Conterminous United States. Geophysical Research Letters, 2018, 45, 12,940.	4.0	87
12	A New Snow Density Parameterization for Land Data Initialization. Journal of Hydrometeorology, 2017, 18, 197-207.	1.9	36
13	The Impact of a Low Bias in Snow Water Equivalent Initialization on CFS Seasonal Forecasts. Journal of Climate, 2017, 30, 8657-8671.	3.2	12
14	Why Do Global Reanalyses and Land Data Assimilation Products Underestimate Snow Water Equivalent?. Journal of Hydrometeorology, 2016, 17, 2743-2761.	1.9	72
15	A gridded global data set of soil, intact regolith, and sedimentary deposit thicknesses for regional and global land surface modeling. Journal of Advances in Modeling Earth Systems, 2016, 8, 41-65.	3.8	161
16	Implementing and Evaluating Variable Soil Thickness in the Community Land Model, Version 4.5 (CLM4.5). Journal of Climate, 2016, 29, 3441-3461.	3.2	49
17	Linking snowfall and snow accumulation to generate spatial maps of SWE and snow depth. Earth and Space Science, 2016, 3, 246-256.	2.6	55
18	An Evaluation of Snow Initializations in NCEP Global and Regional Forecasting Models. Journal of Hydrometeorology, 2016, 17, 1885-1901.	1.9	25

#	Article	IF	Citations
19	Intercomparison of Seven NDVI Products over the United States and Mexico. Remote Sensing, 2014, 6, 1057-1084.	4.0	50