

Patrick D Broxton

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

785
citations

623188

14
h-index

794141

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. <i>Remote Sensing</i> , 2021, 13, 2922.	1.8	7
2	Accounting for Fine-Scale Forest Structure is Necessary to Model Snowpack Mass and Energy Budgets in Montane Forests. <i>Water Resources Research</i> , 2021, 57, e2021WR029716.	1.7	10
3	Structure from Motion of Multi-Angle RPAS Imagery Complements Larger-Scale Airborne Lidar Data for Cost-Effective Snow Monitoring in Mountain Forests. <i>Remote Sensing</i> , 2020, 12, 2311.	1.8	8
4	Estimating the Effects of Forest Structure Changes From Wildfire on Snow Water Resources Under Varying Meteorological Conditions. <i>Water Resources Research</i> , 2020, 56, e2020WR027071.	1.7	24
5	Forest cover and topography regulate the thin, ephemeral snowpacks of the semiarid Southwest United States. <i>Ecohydrology</i> , 2020, 13, e2202.	1.1	14
6	Increasing the efficacy of forest thinning for snow using high-resolution modeling: A proof of concept in the Lake Tahoe Basin, California, USA. <i>Ecohydrology</i> , 2020, 13, e2203.	1.1	15
7	Using Process Based Snow Modeling and Lidar to Predict the Effects of Forest Thinning on the Northern Sierra Nevada Snowpack. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	19
8	Improving Snow Water Equivalent Maps With Machine Learning of Snow Survey and Lidar Measurements. <i>Water Resources Research</i> , 2019, 55, 3739-3757.	1.7	65
9	A Wet-Bulb Temperature-Based Rain-Snow Partitioning Scheme Improves Snowpack Prediction Over the Drier Western United States. <i>Geophysical Research Letters</i> , 2019, 46, 13825-13835.	1.5	39
10	Evaluation of Remotely Sensed Snow Water Equivalent and Snow Cover Extent over the Contiguous United States. <i>Journal of Hydrometeorology</i> , 2018, 19, 1777-1791.	0.7	37
11	Snowpack Change From 1982 to 2016 Over Conterminous United States. <i>Geophysical Research Letters</i> , 2018, 45, 12,940.	1.5	87
12	A New Snow Density Parameterization for Land Data Initialization. <i>Journal of Hydrometeorology</i> , 2017, 18, 197-207.	0.7	36
13	The Impact of a Low Bias in Snow Water Equivalent Initialization on CFS Seasonal Forecasts. <i>Journal of Climate</i> , 2017, 30, 8657-8671.	1.2	12
14	Why Do Global Reanalyses and Land Data Assimilation Products Underestimate Snow Water Equivalent?. <i>Journal of Hydrometeorology</i> , 2016, 17, 2743-2761.	0.7	72
15	A gridded global data set of soil, intact regolith, and sedimentary deposit thicknesses for regional and global land surface modeling. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 41-65.	1.3	161
16	Implementing and Evaluating Variable Soil Thickness in the Community Land Model, Version 4.5 (CLM4.5). <i>Journal of Climate</i> , 2016, 29, 3441-3461.	1.2	49
17	Linking snowfall and snow accumulation to generate spatial maps of SWE and snow depth. <i>Earth and Space Science</i> , 2016, 3, 246-256.	1.1	55
18	An Evaluation of Snow Initializations in NCEP Global and Regional Forecasting Models. <i>Journal of Hydrometeorology</i> , 2016, 17, 1885-1901.	0.7	25

#	ARTICLE	IF	CITATIONS
19	Intercomparison of Seven NDVI Products over the United States and Mexico. Remote Sensing, 2014, 6, 1057-1084.	1.8	50