

Bret W Butler

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

561
citations

759233

12
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

543
citing authors

#	ARTICLE	IF	CITATIONS
1	Downscaling surface wind predictions from numerical weather prediction models in complex terrain with WindNinja. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5229-5241.	4.9	94
2	A comparison of three approaches for simulating fine-scale surface winds in support of wildland fire management. Part I. Model formulation and comparison against measurements. <i>International Journal of Wildland Fire</i> , 2014, 23, 969.	2.4	90
3	Predicting the ignition of crown fuels above a spreading surface fire. Part I: model idealization. <i>International Journal of Wildland Fire</i> , 2006, 15, 47.	2.4	60
4	Tree Injury and Mortality in Fires: Developing Process-Based Models. <i>Fire Ecology</i> , 2010, 6, 55-79.	3.0	50
5	Prediction and measurement of thermally induced cambial tissue necrosis in tree stems. <i>International Journal of Wildland Fire</i> , 2006, 15, 3.	2.4	42
6	A comparison of three approaches for simulating fine-scale surface winds in support of wildland fire management. Part II. An exploratory study of the effect of simulated winds on fire growth simulations. <i>International Journal of Wildland Fire</i> , 2014, 23, 982.	2.4	37
7	Severe Fire Danger Index: A Forecastable Metric to Inform Firefighter and Community Wildfire Risk Management. <i>Fire</i> , 2019, 2, 47.	2.8	37
8	Predicting the ignition of crown fuels above a spreading surface fire. Part II: model evaluation. <i>International Journal of Wildland Fire</i> , 2006, 15, 61.	2.4	35
9	FireStem2D – A Two-Dimensional Heat Transfer Model for Simulating Tree Stem Injury in Fires. <i>PLoS ONE</i> , 2013, 8, e70110.	2.5	23
10	Flame interactions and burning characteristics of two live leaf samples. <i>International Journal of Wildland Fire</i> , 2009, 18, 865.	2.4	20
11	An Evaluation of NDFD Weather Forecasts for Wildland Fire Behavior Prediction. <i>Weather and Forecasting</i> , 2018, 33, 301-315.	1.4	17
12	A review of US wildland firefighter entrapments: trends, important environmental factors and research needs. <i>International Journal of Wildland Fire</i> , 2019, 28, 551.	2.4	14
13	Development and Evaluation of a Reynolds-Averaged Navier–Stokes Solver in WindNinja for Operational Wildland Fire Applications. <i>Atmosphere</i> , 2019, 10, 672.	2.3	13
14	An analysis of spotting distances during the 2017 fire season in the Northern Rockies, USA. <i>Canadian Journal of Forest Research</i> , 2019, 49, 317-325.	1.7	12
15	Fine Fuel Heating by Radiant Flux. <i>Combustion Science and Technology</i> , 2010, 182, 215-230.	2.3	8
16	Inferring energy incident on sensors in low-intensity surface fires from remotely sensed radiation and using it to predict tree stem injury. <i>International Journal of Wildland Fire</i> , 2019, 28, 230.	2.4	3