

Zoe R Courville

List of Publications by Year in descending order

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19
papers

702
citations

687363

13
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

1214
citing authors

#	ARTICLE	IF	CITATIONS
1	The mechanisms of sea ice melt pond formation and evolution. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	199
2	Deep air convection in the firm at a zero-accumulation site, central Antarctica. <i>Earth and Planetary Science Letters</i> , 2010, 293, 359-367.	4.4	82
3	Neither dust nor black carbon causing apparent albedo decline in Greenland's dry snow zone: Implications for MODIS C5 surface reflectance. <i>Geophysical Research Letters</i> , 2015, 42, 9319-9327.	4.0	64
4	Extreme firn metamorphism: impact of decades of vapor transport on near-surface firn at a low-accumulation glazed site on the East Antarctic plateau. <i>Annals of Glaciology</i> , 2004, 39, 73-78.	1.4	52
5	Comparing MODIS daily snow albedo to spectral albedo field measurements in Central Greenland. <i>Remote Sensing of Environment</i> , 2014, 140, 118-129.	11.0	51
6	Recent accumulation variability in northwest Greenland from ground-penetrating radar and shallow cores along the Greenland Inland Traverse. <i>Journal of Glaciology</i> , 2014, 60, 375-382.	2.2	44
7	Sublimation rate and the mass-transfer coefficient for snow sublimation. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 309-315.	4.8	32
8	Observations of pronounced Greenland ice sheet firn warming and implications for runoff production. <i>Geophysical Research Letters</i> , 2014, 41, 4238-4246.	4.0	25
9	Experimental determination of snow sublimation rate and stable-isotopic exchange. <i>Annals of Glaciology</i> , 2008, 49, 1-6.	1.4	24
10	An overview of air-snow exchange at Summit, Greenland: Recent experiments and findings. <i>Atmospheric Environment</i> , 2007, 41, 4995-5006.	4.1	23
11	Kinetic fractionation of gases by deep air convection in polar firn. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 11141-11155.	4.9	23
12	Coast-to-interior gradient in recent northwest Greenland precipitation trends (1952â€“2012). <i>Environmental Research Letters</i> , 2015, 10, 114008.	5.2	23
13	Latticeâ€“Boltzmann modeling of the air permeability of polar firn. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	20
14	Physical and optical characteristics of heavily melted â€œrottenâ€“Arctic sea ice. <i>Cryosphere</i> , 2019, 13, 775-793.	3.9	14
15	Evaluation of Surface Melt on the Greenland Ice Sheet Using SMAP <i>L</i>-Band Microwave Radiometry. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 11439-11449.	4.9	11
16	The mechanics of snow friction as revealed by micro-scale interface observations. <i>Journal of Glaciology</i> , 2018, 64, 27-36.	2.2	10
17	Removal of Exogenous Materials from the Outer Portion of Frozen Cores to Investigate the Ancient Biological Communities Harbored Inside. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	5
18	De-Icing Layers of Interdigitated Microelectrodes. <i>Materials Research Society Symposia Proceedings</i> , 1999, 604, 329.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Proof of Concept: Firn Air Facility Cooling at Summit Station, Greenland. Journal of Cold Regions Engineering - ASCE, 2013, 27, 16-28.	1.1	0