

Amy Breen

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

795
citations

567281

15
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

2785
citing authors

#	ARTICLE	IF	CITATIONS
1	Lake and drained lake basin systems in lowland permafrost regions. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 85-98.	29.7	41
2	A new Stefan equation to characterize the evolution of thermokarst lake and talik geometry. <i>Cryosphere</i> , 2022, 16, 1247-1264.	3.9	5
3	Does fire always accelerate shrub expansion in Arctic tundra? Examining a novel grass-dominated successional trajectory on the Seward Peninsula. <i>Arctic, Antarctic, and Alpine Research</i> , 2021, 53, 93-109.	1.1	5
4	Topographical Controls on Hillslope-Scale Hydrology Drive Shrub Distributions on the Seward Peninsula, Alaska. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005823.	3.0	13
5	Geophysical Observations of Taliks Below Drained Lake Basins on the Arctic Coastal Plain of Alaska. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020889.	3.4	9
6	Integrating Arctic Plant Functional Types in a Land Surface Model Using Above- and Belowground Field Observations. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002396.	3.8	27
7	Remote Sensing-Based Statistical Approach for Defining Drained Lake Basins in a Continuous Permafrost Region, North Slope of Alaska. <i>Remote Sensing</i> , 2021, 13, 2539.	4.0	8
8	A Multi-Sensor Unoccupied Aerial System Improves Characterization of Vegetation Composition and Canopy Properties in the Arctic Tundra. <i>Remote Sensing</i> , 2020, 12, 2638.	4.0	24
9	Identifying historical and future potential lake drainage events on the western Arctic coastal plain of Alaska. <i>Permafrost and Periglacial Processes</i> , 2020, 31, 110-127.	3.4	30
10	Co-producing knowledge: the Integrated Ecosystem Model for resource management in Arctic Alaska. <i>Frontiers in Ecology and the Environment</i> , 2020, 18, 447-455.	4.0	3
11	Alder Distribution and Expansion Across a Tundra Hillslope: Implications for Local N Cycling. <i>Frontiers in Plant Science</i> , 2019, 10, 1099.	3.6	37
12	Arctic Vegetation Mapping Using Unsupervised Training Datasets and Convolutional Neural Networks. <i>Remote Sensing</i> , 2019, 11, 69.	4.0	35
13	sPlot – A new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , 2019, 30, 161-186.	2.2	185
14	Vegetation on mesic loamy and sandy soils along a 1700-km maritime Eurasia Arctic Transect. <i>Applied Vegetation Science</i> , 2019, 22, 150-167.	1.9	5
15	The role of driving factors in historical and projected carbon dynamics of upland ecosystems in Alaska. <i>Ecological Applications</i> , 2018, 28, 5-27.	3.8	25
16	Circumpolar Arctic Vegetation Classification. <i>Phytocoenologia</i> , 2018, 48, 181-201.	0.5	40
17	The role of environmental driving factors in historical and projected carbon dynamics of wetland ecosystems in Alaska. <i>Ecological Applications</i> , 2018, 28, 1377-1395.	3.8	11
18	Thermokarst rates intensify due to climate change and forest fragmentation in an Alaskan boreal forest lowland. <i>Global Change Biology</i> , 2016, 22, 816-829.	9.5	69

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19	The regional species richness and genetic diversity of arctic vegetation reflect both past glaciations and current climate. <i>Global Ecology and Biogeography</i> , 2016, 25, 430-442.	5.8	44
20	Consequences of changes in vegetation and snow cover for climate feedbacks in Alaska and northwest Canada. <i>Environmental Research Letters</i> , 2016, 11, 105003.	5.2	47
21	Getting to the root of the matter: landscape implications of plant-fungal interactions for tree migration in Alaska. <i>Landscape Ecology</i> , 2016, 31, 895-911.	4.2	13
22	Genomics in a changing arctic: critical questions await the molecular ecologist. <i>Molecular Ecology</i> , 2015, 24, 2301-2309.	3.9	10
23	Identification of unrecognized tundra fire events on the north slope of Alaska. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 1334-1344.	3.0	58
24	Genetic consequences of glacial survival: the late Quaternary history of balsam poplar (<i>Populus</i>). <i>Journal of Biogeography</i> , 2010, 37, 1078-1090.	3.0	28
25	Nucleotide diversity among natural populations of a North American poplar (<i>Populus</i>). <i>Journal of Biogeography</i> , 2010, 37, 1078-1090.	7.3	21
26	<i>Dicranum dispersum</i> (Dicranaceae) and <i>Sciuro-hypnum ornellanum</i> (Brachytheciaceae), new to North America. <i>Bryologist</i> , 2009, 112, 268-272.	0.6	2