Xanthe J Walker

List of Publications by Year in descending order

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XANTHE MAIKED

#	Article	IF	CITATIONS
1	Material Legacies and Environmental Constraints Underlie Fire Resilience of a Dominant Boreal Forest Type. Ecosystems, 2023, 26, 473-490.	3.4	2
2	Bottom-up drivers of future fire regimes in western boreal North America. Environmental Research Letters, 2022, 17, 025006.	5.2	15
3	Carbon loss from boreal forest wildfires offset by increased dominance of deciduous trees. Science, 2021, 372, 280-283.	12.6	127
4	SoDaH: the SOils DAta Harmonization database, an open-source synthesis of soil data from research networks, version 1.0. Earth System Science Data, 2021, 13, 1843-1854.	9.9	17
5	Historic declines in growth portend trembling aspen death during a contemporary leaf miner outbreak in Alaska. Ecosphere, 2021, 12, e03569.	2.2	10
6	Direct and longer-term carbon emissions from arctic-boreal fires: A short review of recent advances. Current Opinion in Environmental Science and Health, 2021, 23, 100277.	4.1	28
7	Increasing fire and the decline of fire adapted black spruce in the boreal forest. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	107
8	Impacts of pre-fire conifer density and wildfire severity on ecosystem structure and function at the forest-tundra ecotone. PLoS ONE, 2021, 16, e0258558.	2.5	6
9	Climate change decreases the cooling effect from postfire albedo in boreal North America. Global Change Biology, 2020, 26, 1592-1607.	9.5	29
10	Fuel availability not fire weather controls boreal wildfire severity and carbon emissions. Nature Climate Change, 2020, 10, 1130-1136.	18.8	82
11	Patterns of Ecosystem Structure and Wildfire Carbon Combustion Across Six Ecoregions of the North American Boreal Forest. Frontiers in Forests and Global Change, 2020, 3, .	2.3	18
12	Fire characteristics and environmental conditions shape plant communities via regeneration strategy. Ecography, 2020, 43, 1464-1474.	4.5	24
13	Wildfire combustion and carbon stocks in the southern Canadian boreal forest: Implications for a warming world. Global Change Biology, 2020, 26, 6062-6079.	9.5	49
14	Identifying Functional Impacts of Heat-Resistant Fungi on Boreal Forest Recovery After Wildfire. Frontiers in Forests and Global Change, 2020, 3, .	2.3	15
15	Reproduction as a bottleneck to treeline advance across the circumarctic forest tundra ecotone. Ecography, 2019, 42, 137-147.	4.5	36
16	Impacts of climate and insect herbivory on productivity and physiology of trembling aspen (Populus) Tj ETQq0 0	0 rgBT /Ov	erlock 10 Tf

17	Increasing wildfires threaten historic carbon sink of boreal forest soils. Nature, 2019, 572, 520-523.	27.8	293
18	Reproductive limitation mediates the response of white spruce (<i>Picea glauca</i>) to climate warming across the forest–tundra ecotone. Arctic Science, 2019, 5, 167-184.	2.3	21

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19	Wildfire severity reduces richness and alters composition of soil fungal communities in boreal forests of western Canada. Global Change Biology, 2019, 25, 2310-2324.	9.5	72
20	Crossâ€scale controls on carbon emissions from boreal forest megafires. Global Change Biology, 2018, 24, 4251-4265.	9.5	60
21	Soil organic layer combustion in boreal black spruce and jack pine stands of the Northwest Territories, Canada. International Journal of Wildland Fire, 2018, 27, 125.	2.4	48
22	Predicting Ecosystem Resilience to Fire from Tree Ring Analysis in Black Spruce Forests. Ecosystems, 2017, 20, 1137-1150.	3.4	24
23	Impacts of fire on non-native plant recruitment in black spruce forests of interior Alaska. PLoS ONE, 2017, 12, e0171599.	2.5	3
24	Stable carbon isotope analysis reveals widespread drought stress in boreal black spruce forests. Global Change Biology, 2015, 21, 3102-3113.	9.5	95
25	Widespread negative correlations between black spruce growth and temperature across topographic moisture gradients in the boreal forest. Environmental Research Letters, 2014, 9, 064016.	5.2	78
26	Plot-scale evidence of tundra vegetation change and links to recent summer warming. Nature Climate Change, 2012, 2, 453-457.	18.8	745
27	Reproduction and seedling establishment of <i>Picea glauca</i> across the northernmost forestâ€ŧundra region in Canada. Global Change Biology, 2012, 18, 3202-3211.	9.5	28
28	Postfire seed rain of black spruce, a semiserotinous conifer, in forests of interior Alaska. Canadian Journal of Forest Research, 2009, 39, 1575-1588.	1.7	44