

# Xanthe J Walker

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3567919/publications.pdf>

Version: 2024-02-01

28  
papers

2,104  
citations

448610

19  
h-index

563245

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

3970  
citing authors

#	ARTICLE	IF	CITATIONS
1	Material Legacies and Environmental Constraints Underlie Fire Resilience of a Dominant Boreal Forest Type. <i>Ecosystems</i> , 2023, 26, 473-490.	1.6	2
2	Bottom-up drivers of future fire regimes in western boreal North America. <i>Environmental Research Letters</i> , 2022, 17, 025006.	2.2	15
3	Carbon loss from boreal forest wildfires offset by increased dominance of deciduous trees. <i>Science</i> , 2021, 372, 280-283.	6.0	127
4	SoDaH: the SOils DATA Harmonization database, an open-source synthesis of soil data from research networks, version 1.0. <i>Earth System Science Data</i> , 2021, 13, 1843-1854.	3.7	17
5	Historic declines in growth portend trembling aspen death during a contemporary leaf miner outbreak in Alaska. <i>Ecosphere</i> , 2021, 12, e03569.	1.0	10
6	Direct and longer-term carbon emissions from arctic-boreal fires: A short review of recent advances. <i>Current Opinion in Environmental Science and Health</i> , 2021, 23, 100277.	2.1	28
7	Increasing fire and the decline of fire adapted black spruce in the boreal forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	107
8	Impacts of pre-fire conifer density and wildfire severity on ecosystem structure and function at the forest-tundra ecotone. <i>PLoS ONE</i> , 2021, 16, e0258558.	1.1	6
9	Climate change decreases the cooling effect from postfire albedo in boreal North America. <i>Global Change Biology</i> , 2020, 26, 1592-1607.	4.2	29
10	Fuel availability not fire weather controls boreal wildfire severity and carbon emissions. <i>Nature Climate Change</i> , 2020, 10, 1130-1136.	8.1	82
11	Patterns of Ecosystem Structure and Wildfire Carbon Combustion Across Six Ecoregions of the North American Boreal Forest. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	18
12	Fire characteristics and environmental conditions shape plant communities via regeneration strategy. <i>Ecography</i> , 2020, 43, 1464-1474.	2.1	24
13	Wildfire combustion and carbon stocks in the southern Canadian boreal forest: Implications for a warming world. <i>Global Change Biology</i> , 2020, 26, 6062-6079.	4.2	49
14	Identifying Functional Impacts of Heat-Resistant Fungi on Boreal Forest Recovery After Wildfire. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	15
15	Reproduction as a bottleneck to treeline advance across the circumarctic forest tundra ecotone. <i>Ecography</i> , 2019, 42, 137-147.	2.1	36
16	Impacts of climate and insect herbivory on productivity and physiology of trembling aspen ( <i>Populus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	27
17	Increasing wildfires threaten historic carbon sink of boreal forest soils. <i>Nature</i> , 2019, 572, 520-523.	13.7	293
18	Reproductive limitation mediates the response of white spruce ( <i>Picea glauca</i> ) to climate warming across the forest-tundra ecotone. <i>Arctic Science</i> , 2019, 5, 167-184.	0.9	21

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19	Wildfire severity reduces richness and alters composition of soil fungal communities in boreal forests of western Canada. <i>Global Change Biology</i> , 2019, 25, 2310-2324.	4.2	72
20	Cross-scale controls on carbon emissions from boreal forest megafires. <i>Global Change Biology</i> , 2018, 24, 4251-4265.	4.2	60
21	Soil organic layer combustion in boreal black spruce and jack pine stands of the Northwest Territories, Canada. <i>International Journal of Wildland Fire</i> , 2018, 27, 125.	1.0	48
22	Predicting Ecosystem Resilience to Fire from Tree Ring Analysis in Black Spruce Forests. <i>Ecosystems</i> , 2017, 20, 1137-1150.	1.6	24
23	Impacts of fire on non-native plant recruitment in black spruce forests of interior Alaska. <i>PLoS ONE</i> , 2017, 12, e0171599.	1.1	3
24	Stable carbon isotope analysis reveals widespread drought stress in boreal black spruce forests. <i>Global Change Biology</i> , 2015, 21, 3102-3113.	4.2	95
25	Widespread negative correlations between black spruce growth and temperature across topographic moisture gradients in the boreal forest. <i>Environmental Research Letters</i> , 2014, 9, 064016.	2.2	78
26	Plot-scale evidence of tundra vegetation change and links to recent summer warming. <i>Nature Climate Change</i> , 2012, 2, 453-457.	8.1	745
27	Reproduction and seedling establishment of <i>Picea glauca</i> across the northernmost forest-tundra region in Canada. <i>Global Change Biology</i> , 2012, 18, 3202-3211.	4.2	28
28	Postfire seed rain of black spruce, a semiserotinous conifer, in forests of interior Alaska. <i>Canadian Journal of Forest Research</i> , 2009, 39, 1575-1588.	0.8	44