

# Dominique Arseneault

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

2,746  
citations

186265  
28  
h-index

197818  
49  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Short- and long-term wildfire threat when adapting infrastructure for wildlife conservation in the boreal forest. <i>Ecological Applications</i> , 2022, 32, e2606.	3.8	6
2	The North American tree-ring fire-scar network. <i>Ecosphere</i> , 2022, 13, .	2.2	26
3	Recognising bias in Common Era temperature reconstructions. <i>Dendrochronologia</i> , 2022, 74, 125982.	2.2	8
4	Long-term (1925–2015) forest structure reorganization in an actively managed temperate-boreal forest region of eastern North America. <i>Forest Ecology and Management</i> , 2021, 481, 118744.	3.2	7
5	Scale-dependent changes in tree diversity over more than a century in eastern Canada: Landscape diversification and regional homogenization. <i>Journal of Ecology</i> , 2021, 109, 273-283.	4.0	14
6	The influence of decision-making in tree ring-based climate reconstructions. <i>Nature Communications</i> , 2021, 12, 3411.	12.8	59
7	A 2233-year tree-ring chronology of subarctic black spruce ( <i>Picea mariana</i> ): growth forms response to long-term climate change. <i>Ecoscience</i> , 2021, 28, 399-419.	1.4	6
8	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, .	7.1	107
9	Effects of 20th-century settlement fires on landscape structure and forest composition in eastern Quebec, Canada. <i>Journal of Vegetation Science</i> , 2020, 31, 40-52.	2.2	11
10	Comparing the predictions of gap model with vegetation and disturbance data in south-eastern Canadian mixed forests. <i>Forest Ecology and Management</i> , 2020, 455, 117649.	3.2	7
11	Prominent role of volcanism in Common Era climate variability and human history. <i>Dendrochronologia</i> , 2020, 64, 125757.	2.2	66
12	Temperature sensitivity of blue intensity, maximum latewood density, and ring width data of living black spruce trees in the eastern Canadian taiga. <i>Dendrochronologia</i> , 2020, 64, 125771.	2.2	12
13	Forest Transformation Following European Settlement in the Saguenay-Lac-St-Jean Valley in Eastern Québec, Canada. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	3
14	Fire deficit increases wildfire risk for many communities in the Canadian boreal forest. <i>Nature Communications</i> , 2020, 11, 2121.	12.8	53
15	Climate-change refugia in boreal North America: what, where, and for how long?. <i>Frontiers in Ecology and the Environment</i> , 2020, 18, 261-270.	4.0	91
16	Composition Changes in the Boreal Mixedwood Forest of Western Quebec Since Euro-Canadian Settlement. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	12
17	The Changing Disturbance Regime in Eastern Canadian Mixed Forests During the 20th Century. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	3
18	Wildland fire risk research in Canada. <i>Environmental Reviews</i> , 2020, 28, 164-186.	4.5	69

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19	Chemical destaining and the delta correction for blue intensity measurements of stained lake subfossil trees. <i>Biogeosciences</i> , 2020, 17, 4559-4570.	3.3	10
20	Reorganization of tree assemblages over the last century in the northern hardwoods of eastern Canada. <i>Applied Vegetation Science</i> , 2019, 22, 474-483.	1.9	10
21	Pre-1930 unstable relationship between climate and tree-ring width of <i>Pinus taiwanensis hayata</i> in southeastern China. <i>Dendrochronologia</i> , 2019, 57, 125629.	2.2	1
22	Stronger influence of anthropogenic disturbance than climate change on century-scale compositional changes in northern forests. <i>Nature Communications</i> , 2019, 10, 1265.	12.8	98
23	Climate change will affect the ability of forest management to reduce gaps between current and presettlement forest composition in southeastern Canada. <i>Landscape Ecology</i> , 2019, 34, 159-174.	4.2	52
24	Drought timing and local climate determine the sensitivity of eastern temperate forests to drought. <i>Global Change Biology</i> , 2018, 24, 2339-2351.	9.5	168
25	Tree-ring evidence of changes in the subarctic forest cover linked to human disturbance in northern Labrador (Canada). <i>Ecoscience</i> , 2018, 25, 135-151.	1.4	9
26	Anthropogenic disturbances strengthened tree community-environment relationships at the temperate-boreal interface. <i>Landscape Ecology</i> , 2018, 33, 213-224.	4.2	8
27	Potential impacts of climate change on the habitat of boreal woodland caribou. <i>Ecosphere</i> , 2018, 9, e02472.	2.2	39
28	Underestimation of the Tambora effects in North American taiga ecosystems. <i>Environmental Research Letters</i> , 2018, 13, 034017.	5.2	7
29	Tree rings reveal globally coherent signature of cosmogenic radiocarbon events in 774 and 993 CE. <i>Nature Communications</i> , 2018, 9, 3605.	12.8	98
30	Stand Age Influence on Potential Wildfire Ignition and Spread in the Boreal Forest of Northeastern Canada. <i>Ecosystems</i> , 2018, 21, 1471-1486.	3.4	17
31	A framework for modeling habitat quality in disturbance-prone areas demonstrated with woodland caribou and wildfire. <i>Ecosphere</i> , 2017, 8, e01787.	2.2	16
32	Eastern white cedar long-term dynamics in eastern Canada: Implications for restoration in the context of ecosystem-based management. <i>Forest Ecology and Management</i> , 2017, 400, 502-510.	3.2	23
33	Decadal Variations in Eastern Canada's Taiga Wood Biomass Production Forced by Ocean-Atmosphere Interactions. <i>Scientific Reports</i> , 2017, 7, 2457.	3.3	11
34	Bayesian multiproxy temperature reconstruction with black spruce ring widths and stable isotopes from the northern Quebec taiga. <i>Climate Dynamics</i> , 2017, 49, 4107-4119.	3.8	26
35	Fire is a stronger driver of forest composition than logging in the boreal forest of eastern Canada. <i>Journal of Vegetation Science</i> , 2017, 28, 57-68.	2.2	27
36	Spatial and temporal dimensions of fire activity in the fire-prone eastern Canadian taiga. <i>Global Change Biology</i> , 2017, 23, 1152-1166.	9.5	49

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37	Ecophysiological modeling of photosynthesis and carbon allocation to the tree stem in the boreal forest. <i>Biogeosciences</i> , 2017, 14, 4851-4866.	3.3	18
38	Fire Regime along Latitudinal Gradients of Continuous to Discontinuous Coniferous Boreal Forests in Eastern Canada. <i>Forests</i> , 2016, 7, 211.	2.1	26
39	Anthropogenic Disturbances Create a New Vegetation Toposequence in the Gatineau River Valley, Quebec. <i>Forests</i> , 2016, 7, 254.	2.1	10
40	Long-term compositional changes following partial disturbance revealed by the resurvey of logging concession limits in the northern temperate forest of eastern Canada. <i>Canadian Journal of Forest Research</i> , 2016, 46, 943-949.	1.7	21
41	Pre-industrial landscape composition patterns and post-industrial changes at the temperate-boreal forest interface in western Quebec, Canada. <i>Journal of Vegetation Science</i> , 2016, 27, 470-481.	2.2	31
42	A millennial summer temperature reconstruction for northeastern Canada using oxygen isotopes in subfossil trees. <i>Climate of the Past</i> , 2015, 11, 1153-1164.	3.4	34
43	Biases in RCS tree ring chronologies due to sampling heights of trees. <i>Dendrochronologia</i> , 2015, 36, 13-22.	2.2	15
44	Spatial analysis of black spruce ( <i>Picea mariana</i> (Mill.) B.S.P.) radial growth response to climate in northern Québec and Labrador Peninsula, Canada. <i>Canadian Journal of Forest Research</i> , 2015, 45, 343-352.	1.7	24
45	Millennial disturbance-driven forest stand dynamics in the Eastern Canadian taiga reconstructed from subfossil logs. <i>Journal of Ecology</i> , 2014, 102, 1612-1622.	4.0	13
46	Millennial stocks and fluxes of large woody debris in lakes of the northern American taiga. <i>Journal of Ecology</i> , 2014, 102, 367-380.	4.0	21
47	An early forest inventory indicates high accuracy of forest composition data in pre-settlement land survey records. <i>Journal of Vegetation Science</i> , 2014, 25, 691-702.	2.2	25
48	Resistance of the boreal forest to high burn rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13888-13893.	7.1	123
49	Volcano-induced regime shifts in millennial tree-ring chronologies from northeastern North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10077-10082.	7.1	82
50	Carbon and oxygen isotopes of lakeshore black spruce trees in northeastern Canada as proxies for climatic reconstruction. <i>Chemical Geology</i> , 2014, 374-375, 37-43.	3.3	20
51	Developing millennial tree ring chronologies in the fire-prone North American boreal forest. <i>Journal of Quaternary Science</i> , 2013, 28, 283-292.	2.1	19
52	Dendrochronological reconstruction of spruce budworm ( <i>Choristoneura fumiferana</i> ) outbreaks in southern Quebec for the last 400 years <sup>1</sup> This article is one of a selection of papers from the 7th International Conference on Disturbance Dynamics in Boreal Forests.. <i>Canadian Journal of Forest Research</i> , 2012, 42, 1264-1276.	1.7	81
53	Evaluating the integrity of C and O isotopes in sub-fossil wood from boreal lakes. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 348-349, 21-31.	2.3	19
54	Change from pre-settlement to present-day forest composition reconstructed from early land survey records in eastern Québec, Canada. <i>Journal of Vegetation Science</i> , 2011, 22, 564-575.	2.2	59

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55	Hydro-climatic analysis of mechanical breakups reconstructed from tree-rings, Necopastic watershed, northern Qu�bec, Canada. <i>Journal of Hydrology</i> , 2009, 375, 373-382.	5.4	17
56	Logging pattern and landscape changes over the last century at the boreal and deciduous forest transition in Eastern Canada. <i>Landscape Ecology</i> , 2009, 24, 171-184.	4.2	120
57	Tree-ring analysis of white cedar ( <i>Thuja occidentalis</i> L.) archaeological and historical wood in Qu�bec City (Qu�bec, Canada). <i>Dendrochronologia</i> , 2009, 27, 199-212.	2.2	8
58	Logging history (1820�2000) of a heavily exploited southern boreal forest landscape: Insights from sunken logs and forestry maps. <i>Forest Ecology and Management</i> , 2009, 258, 1359-1368.	3.2	38
59	Impacts of recurring ice jams on channel geometry and geomorphology in a small high-boreal watershed. <i>Geomorphology</i> , 2009, 108, 273-281.	2.6	30
60	Macroinvertebrates on coarse woody debris in the littoral zone of a boreal lake. <i>Marine and Freshwater Research</i> , 2009, 60, 960.	1.3	11
61	Asynchronous forest�stream coupling in a fire-prone boreal landscape: insights from woody debris. <i>Journal of Ecology</i> , 2007, 95, 789-801.	4.0	29
62	Late Holocene development of a floodplain along a small meandering stream, northern Qu�bec, Canada. <i>Geomorphology</i> , 2006, 80, 267-281.	2.6	10
63	Logging-induced change (1930-2002) of a preindustrial landscape at the northern range limit of northern hardwoods, eastern Canada. <i>Canadian Journal of Forest Research</i> , 2006, 36, 505-517.	1.7	60
64	Fire disturbance during climate change: failure of postfire forest recovery on a boreal floodplain. <i>Canadian Journal of Forest Research</i> , 2004, 34, 2294-2305.	1.7	37
65	The millennial dynamics of a boreal forest stand from buried trees. <i>Journal of Ecology</i> , 2004, 92, 490-504.	4.0	49
66	Spruce budworm outbreaks in eastern Quebec over the last 450 years. <i>Canadian Journal of Forest Research</i> , 2004, 34, 1035-1043.	1.7	156
67	Impact of fire behavior on postfire forest development in a homogeneous boreal landscape. <i>Canadian Journal of Forest Research</i> , 2001, 31, 1367-1374.	1.7	86
68	Estimating Lichen Biomass and Caribou Grazing on the Wintering Grounds of Northern Quebec: An Application of Fire History and Landsat Data. <i>Journal of Applied Ecology</i> , 1997, 34, 65.	4.0	62
69	RECONSTRUCTION OF MILLENNIAL FOREST DYNAMICS FROM TREE REMAINS IN A SUBARCTIC TREE LINE PEATLAND. <i>Ecology</i> , 1997, 78, 1873-1883.	3.2	61
70	LANDSCAPE CHANGE FOLLOWING DEFORESTATION AT THE ARCTIC TREE LINE IN QU�BEC, CANADA. <i>Ecology</i> , 1997, 78, 693-706.	3.2	34
71	A Postfire Shift From Lichen-Spruce to Lichen-Tundra Vegetation at Tree Line. <i>Ecology</i> , 1992, 73, 1067-1081.	3.2	60
72	Legacy of forest composition and changes over the long-term on tree radial growth. <i>Canadian Journal of Forest Research</i> , 0, , .	1.7	0