

# Hubert Morin

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

3,556  
citations

218677

26  
h-index

233421

45  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical temperatures for xylogenesis in conifers of cold climates. <i>Global Ecology and Biogeography</i> , 2008, 17, 696-707.	5.8	476
2	Conifers in cold environments synchronize maximum growth rate of tree-ring formation with day length. <i>New Phytologist</i> , 2006, 170, 301-310.	7.3	357
3	Woody biomass production lags stem-girth increase by over one month in coniferous forests. <i>Nature Plants</i> , 2015, 1, 15160.	9.3	294
4	Cellular phenology of annual ring formation of <i>Abies balsamea</i> in the Quebec boreal forest (Canada). <i>Canadian Journal of Forest Research</i> , 2003, 33, 190-200.	1.7	244
5	Daily weather response of balsam fir ( <i>Abies balsamea</i> (L.) Mill.) stem radius increment from dendrometer analysis in the boreal forests of Qu <sup>1</sup> bec (Canada). <i>Trees - Structure and Function</i> , 2003, 17, 477-484.	1.9	224
6	Dynamics of balsam fir forests in relation to spruce budworm outbreaks in the Boreal Zone of Quebec. <i>Canadian Journal of Forest Research</i> , 1994, 24, 730-741.	1.7	163
7	Intra-annual tracheid production in balsam fir stems and the effect of meteorological variables. <i>Trees - Structure and Function</i> , 2005, 19, 402-408.	1.9	158
8	Predicting xylem phenology in black spruce under climate warming. <i>Global Change Biology</i> , 2011, 17, 614-625.	9.5	141
9	Xylem phenology and wood production: resolving the chicken-egg dilemma. <i>Plant, Cell and Environment</i> , 2010, 33, 1721-1730.	5.7	140
10	Climate-induced changes in host tree-insect phenology may drive ecological state-shift in boreal forests. <i>Ecology</i> , 2015, 96, 1480-1491.	3.2	138
11	The timing of spring rehydration and its relation with the onset of wood formation in black spruce. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1403-1409.	4.8	98
12	P <sup>1</sup> iodicit <sup>1</sup> et synchronisme des <sup>1</sup> pid <sup>1</sup> mies de la tordeuse des bourgeons de l' <sup>1</sup> pinette au Qu <sup>1</sup> bec. <i>Canadian Journal of Forest Research</i> , 2003, 33, 1947-1961.	1.7	88
13	Changes in Spatiotemporal Patterns of 20th Century Spruce Budworm Outbreaks in Eastern Canadian Boreal Forests. <i>Frontiers in Plant Science</i> , 2018, 9, 1905.	3.6	87
14	Radial Growth Response of Black Spruce Stands Ten Years after Experimental Shelterwoods and Seed-Tree Cuttings in Boreal Forest. <i>Forests</i> , 2016, 7, 240.	2.1	82
15	The Physiological Mechanisms Behind the Earlywood-To-Latewood Transition: A Process-Based Modeling Approach. <i>Frontiers in Plant Science</i> , 2018, 9, 1053.	3.6	80
16	Chilling and forcing temperatures interact to predict the onset of wood formation in Northern Hemisphere conifers. <i>Global Change Biology</i> , 2019, 25, 1089-1105.	9.5	72
17	Xylogenesis in black spruce: does soil temperature matter?. <i>Tree Physiology</i> , 2012, 32, 74-82.	3.1	50
18	Effects of adventitious roots on age determination in Balsam fir ( <i>Abies balsamea</i> ) regeneration. <i>Canadian Journal of Forest Research</i> , 2000, 30, 513-518.	1.7	49

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19	The role of plant hormones in tree-ring formation. <i>Trees - Structure and Function</i> , 2020, 34, 315-335.	1.9	46
20	Increasing nitrogen availability and soil temperature: effects on xylem phenology and anatomy of mature black spruce<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, 1277-1288.	1.7	41
21	Effects of soil warming and nitrogen foliar applications on bud burst of black spruce. <i>Trees - Structure and Function</i> , 2016, 30, 87-97.	1.9	40
22	Structural diversity and dynamics of boreal old-growth forests case study in Eastern Canada. <i>Forest Ecology and Management</i> , 2018, 422, 125-136.	3.2	39
23	Establishment and dynamics of the balsam fir seedling bank in old forests of northeastern Quebec. <i>Canadian Journal of Forest Research</i> , 2003, 33, 597-603.	1.7	37
24	Is size an issue of time? Relationship between the duration of xylem development and cell traits. <i>Annals of Botany</i> , 2019, 123, 1257-1265.	2.9	35
25	Xylogenesis in black spruce subjected to rain exclusion in the field<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, 1306-1315.	1.7	29
26	Growth and productivity of black spruce in even- and uneven-aged stands at the limit of the closed boreal forest. <i>Forest Ecology and Management</i> , 2009, 258, 2153-2161.	3.2	27
27	Secondary disturbances of low and moderate severity drive the dynamics of eastern Canadian boreal old-growth forests. <i>Annals of Forest Science</i> , 2019, 76, 1.	2.0	24
28	Forest management has reduced the structural diversity of residual boreal old-growth forest landscapes in Eastern Canada. <i>Forest Ecology and Management</i> , 2020, 458, 117765.	3.2	23
29	Driving factors of conifer regeneration dynamics in eastern Canadian boreal old-growth forests. <i>PLoS ONE</i> , 2020, 15, e0230221.	2.5	23
30	Comparing the Cell Dynamics of Tree-Ring Formation Observed in Microcores and as Predicted by the Vaganovâ€“Shashkin Model. <i>Frontiers in Plant Science</i> , 2020, 11, 1268.	3.6	23
31	High-resolution analysis of stem radius variations in black spruce [ <i>Picea mariana</i> (Mill.) BSP] subjected to rain exclusion for three summers. <i>Trees - Structure and Function</i> , 2014, 28, 1257-1265.	1.9	20
32	The effects of N-enriched rain and warmer soil on the ectomycorrhizae of black spruce remain inconclusive in the short term. <i>Annals of Forest Science</i> , 2013, 70, 825-834.	2.0	19
33	Structure et croissance de peuplements d'Ã©pinette noire issus de rÃ©gÃ©nÃ©ration prÃ©Ã©tablie, une quarantaine d'annÃ©es aprÃ©s coupe au Lac Saint-Jean, QuÃ©bec. <i>Forestry Chronicle</i> , 1991, 67, 275-283.	0.6	17
34	Unveiling the Diversity of Tree Growth Patterns in Boreal Old-Growth Forests Reveals the Richness of Their Dynamics. <i>Forests</i> , 2020, 11, 252.	2.1	17
35	Demography and spatial dynamics in balsam fir stands after a spruce budworm outbreak. <i>Canadian Journal of Forest Research</i> , 2011, 41, 1112-1120.	1.7	16
36	Environmental and developmental factors driving xylem anatomy and microâ€“density in black spruce. <i>New Phytologist</i> , 2021, 230, 957-971.	7.3	13

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37	Regionwide temporal gradients of carbon allocation allow for shoot growth and latewood formation in boreal black spruce. <i>Global Ecology and Biogeography</i> , 2021, 30, 1657-1670.	5.8	12
38	Episodic recruitment of the seedling banks in balsam fir and white spruce. <i>American Journal of Botany</i> , 2012, 99, 1942-1950.	1.7	11
39	Wood quality of black spruce and balsam fir trees defoliated by spruce budworm: A case study in the boreal forest of Quebec, Canada. <i>Forest Ecology and Management</i> , 2019, 437, 201-210.	3.2	10
40	An indicator species highlights continuous deadwood supply is a key ecological attribute of boreal old-growth forests. <i>Ecosphere</i> , 2021, 12, e03507.	2.2	10
41	Boreal old-growth forest structural diversity challenges aerial photographic survey accuracy. <i>Canadian Journal of Forest Research</i> , 2020, 50, 155-169.	1.7	9
42	Spatiotemporal Dynamics of 20th-Century Spruce Budworm Outbreaks in Eastern Canada: Three Distinct Patterns of Outbreak Severity. <i>Frontiers in Ecology and Evolution</i> , 2021, 8, .	2.2	8
43	Linking radial growth patterns and moderate-severity disturbance dynamics in boreal old-growth forests driven by recurrent insect outbreaks: A tale of opportunities, successes, and failures. <i>Ecology and Evolution</i> , 2021, 11, 566-586.	1.9	3
44	Influence of soil warming and N-addition on sap flux density and stem radius variation in boreal stands in Quebec, Canada. <i>Ecohydrology</i> , 2021, 14, e2261.	2.4	1