

Yves Bergeron

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489
papers

18,692
citations

76
h-index

111
g-index

501
ext. papers

21,193
ext. citations

3.7
avg, IF

6.92
L-index

#	Paper	IF	Citations
489	FIRE REGIMES AT THE TRANSITION BETWEEN MIXEDWOOD AND CONIFEROUS BOREAL FOREST IN NORTHWESTERN QUEBEC. <i>Ecology</i> , 2004 , 85, 1916-1932	4.6	310
488	SPECIES AND STAND DYNAMICS IN THE MIXED WOODS OF QUEBEC'S SOUTHERN BOREAL FOREST. <i>Ecology</i> , 2000 , 81, 1500-1516	4.6	297
487	Natural fire regime: a guide for sustainable management of the Canadian boreal forest. <i>Silva Fennica</i> , 2002 , 36,	1.9	297
486	Natural fire frequency for the eastern Canadian boreal forest: consequences for sustainable forestry. <i>Canadian Journal of Forest Research</i> , 2001 , 31, 384-391	1.9	290
485	CANOPY GAP CHARACTERISTICS AND TREE REPLACEMENT IN THE SOUTHEASTERN BOREAL FOREST. <i>Ecology</i> , 1998 , 79, 783-794	4.6	278
484	Can forest management based on natural disturbances maintain ecological resilience?. <i>Canadian Journal of Forest Research</i> , 2006 , 36, 2285-2299	1.9	258
483	Effects of overstory and understory vegetation on the understory light environment in mixed boreal forests. <i>Journal of Vegetation Science</i> , 1998 , 9, 511-520	3.1	250
482	The Influence of Island and Mainland Lakeshore Landscapes on Boreal Forest Fire Regimes. <i>Ecology</i> , 1991 , 72, 1980-1992	4.6	229
481	Forest management is driving the eastern North American boreal forest outside its natural range of variability. <i>Frontiers in Ecology and the Environment</i> , 2009 , 7, 519-524	5.5	225
480	Future wildfire in circumboreal forests in relation to global warming. <i>Journal of Vegetation Science</i> , 1998 , 9, 469-476	3.1	208
479	Forest management guidelines based on natural disturbance dynamics: Stand- and forest-level considerations. <i>Forestry Chronicle</i> , 1999 , 75, 49-54	1	207
478	Basing silviculture on natural ecosystem dynamics: an approach applied to the southern boreal mixedwood forest of Quebec. <i>Forest Ecology and Management</i> , 1997 , 92, 235-242	3.9	201
477	Change of fire frequency in the eastern Canadian boreal forests during the Holocene: does vegetation composition or climate trigger the fire regime?. <i>Journal of Ecology</i> , 2001 , 89, 930-946	6	200
476	Stand-landscape integration in natural disturbance-based management of the southern boreal forest. <i>Forest Ecology and Management</i> , 2002 , 155, 369-385	3.9	193
475	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016 , 11, 034014	6.2	165
474	Radial growth response of four dominant boreal tree species to climate along a latitudinal gradient in the eastern Canadian boreal forest. <i>Global Change Biology</i> , 2010 , 16, 711-731	11.4	165
473	Succession in the southern part of the Canadian boreal forest. <i>Plant Ecology</i> , 1988 , 79, 51-63		163

472	Forest productivity decline caused by successional paludification of boreal soils 2007 , 17, 1619-37		162
471	Future fire in Canada's boreal forest: paleoecology results and general circulation model - regional climate model simulations. <i>Canadian Journal of Forest Research</i> , 2001 , 31, 854-864	1.9	159
470	Response of Forest Trees to Increased Atmospheric CO 2. <i>Critical Reviews in Plant Sciences</i> , 2007 , 26, 265-283	5.6	157
469	LANDSCAPE-SCALE DISTURBANCES AND CHANGES IN BIRD COMMUNITIES OF BOREAL MIXED-WOOD FORESTS. <i>Ecological Monographs</i> , 2000 , 70, 423-444	9	153
468	Decreasing frequency of forest fires in the southern boreal zone of Quebec and its relation to global warming since the end of the 'Little Ice Age'. <i>Holocene</i> , 1993 , 3, 255-259	2.6	152
467	Fire history in the southern boreal forest of northwestern Quebec. <i>Canadian Journal of Forest Research</i> , 1993 , 23, 25-32	1.9	149
466	Global change and the boreal forest: thresholds, shifting states or gradual change?. <i>Ambio</i> , 2004 , 33, 361-5	6.5	142
465	Paludification in black spruce (<i>Picea mariana</i>) forests of eastern Canada: Potential factors and management implications. <i>Forest Ecology and Management</i> , 2005 , 213, 151-159	3.9	141
464	Balsam fir mortality following the last spruce budworm outbreak in northwestern Quebec. <i>Canadian Journal of Forest Research</i> , 1995 , 25, 1375-1384	1.9	141
463	Past, current and future fire frequency in the Canadian boreal forest: implications for sustainable forest management. <i>Ambio</i> , 2004 , 33, 356-60	6.5	138
462	Tree species diversity increases fine root productivity through increased soil volume filling. <i>Journal of Ecology</i> , 2013 , 101, 210-219	6	137
461	Changes in the understory of Canadian southern boreal forest after fire. <i>Journal of Vegetation Science</i> , 1993 , 4, 803-810	3.1	135
460	Chronology of spruce budworm outbreaks near Lake Duparquet, Abitibi region, Quebec. <i>Canadian Journal of Forest Research</i> , 1993 , 23, 1497-1506	1.9	134
459	Differences in fine root productivity between mixed- and single-species stands. <i>Functional Ecology</i> , 2011 , 25, 238-246	5.6	133
458	Spruce budworm impact, abundance and parasitism rate in a patchy landscape. <i>Oecologia</i> , 1998 , 114, 236-242	2.9	128
457	Past, current, and future fire frequencies in Quebec's commercial forests: implications for the cumulative effects of harvesting and fire on age-class structure and natural disturbance-based management. <i>Canadian Journal of Forest Research</i> , 2006 , 36, 2737-2744	1.9	127
456	Will climate change drive 21st century burn rates in Canadian boreal forest outside of its natural variability: collating global climate model experiments with sedimentary charcoal data. <i>International Journal of Wildland Fire</i> , 2010 , 19, 1127	3.2	122
455	Conifer seedling recruitment in a southeastern Canadian boreal forest: the importance of substrate. <i>Journal of Vegetation Science</i> , 1998 , 9, 575-582	3.1	119

454	Role of vegetation and weather on fire behavior in the Canadian mixedwood boreal forest using two fire behavior prediction systems. <i>Canadian Journal of Forest Research</i> , 2001 , 31, 430-441	1.9	119
453	Influence of Environmental Variability on Root Dynamics in Northern Forests. <i>Critical Reviews in Plant Sciences</i> , 2009 , 28, 179-197	5.6	116
452	The reduction of organic-layer depth by wildfire in the North American boreal forest and its effect on tree recruitment by seed. <i>Canadian Journal of Forest Research</i> , 2007 , 37, 1012-1023	1.9	116
451	Gap dynamics and replacement patterns in gaps of the northeastern boreal forest of Quebec. <i>Canadian Journal of Forest Research</i> , 2004 , 34, 353-364	1.9	112
450	The importance of forest floor disturbance in the early regeneration patterns of the boreal forest of western and central Quebec: a wildfire versus logging comparison. <i>Canadian Journal of Forest Research</i> , 2000 , 30, 1353-1364	1.9	106
449	Predicting the composition of Canadian southern boreal forest in different fire cycles. <i>Journal of Vegetation Science</i> , 1993 , 4, 827-832	3.1	104
448	Recruitment of <i>Picea mariana</i> , <i>Pinus banksiana</i> , and <i>Populus tremuloides</i> across a burn severity gradient following wildfire in the southern boreal forest of Quebec. <i>Canadian Journal of Forest Research</i> , 2004 , 34, 1845-1857	1.9	101
447	Silvicultural disturbance severity and plant communities of the southern Canadian boreal forest. <i>Silva Fennica</i> , 2002 , 36,	1.9	97
446	sPlot: A new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , 2019 , 30, 161-186	3.1	96
445	White spruce and balsam fir colonization of a site in the southeastern boreal forest as observed 68 years after fire. <i>Canadian Journal of Forest Research</i> , 1997 , 27, 139-147	1.9	94
444	Structural development following fire in black spruce boreal forest. <i>Forest Ecology and Management</i> , 2005 , 206, 293-306	3.9	94
443	Dendroclimatic response of <i>Picea mariana</i> and <i>Pinus banksiana</i> along a latitudinal gradient in the eastern Canadian boreal forest. <i>Canadian Journal of Forest Research</i> , 1999 , 29, 1333-1346	1.9	94
442	Effects of Fire Regime on the Serotiny Level of Jack Pine. <i>Journal of Ecology</i> , 1996 , 84, 539	6	94
441	Importance of mixedwoods for biodiversity conservation: Evidence for understory plants, songbirds, soil fauna, and ectomycorrhizae in northern forests. <i>Environmental Reviews</i> , 2011 , 19, 142-164	4.5	93
440	Heterogeneous response of circumboreal wildfire risk to climate change since the early 1900s. <i>Global Change Biology</i> , 2009 , 15, 2751-2769	11.4	90
439	Control of the multimillennial wildfire size in boreal North America by spring climatic conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 20966-70	11.5	90
438	Forest dynamics after successive spruce budworm outbreaks in mixedwood forests. <i>Ecology</i> , 2006 , 87, 2319-29	4.6	90
437	Fire Severity and Long-term Ecosystem Biomass Dynamics in Coniferous Boreal Forests of Eastern Canada. <i>Ecosystems</i> , 2006 , 9, 1215-1230	3.9	90

436	Structure, composition, and diversity of old-growth black spruce boreal forest of the Clay Belt region in Quebec and Ontario. <i>Environmental Reviews</i> , 2003 , 11, S79-S98	4.5	89
435	Fire Regime in Red Pine Stands at the Northern Limit of the Species' Range. <i>Ecology</i> , 1990 , 71, 1352-1364.	4.6	88
434	Potential changes in forest composition could reduce impacts of climate change on boreal wildfires 2013 , 23, 21-35		87
433	Bryophyte and lichen communities in mature to old-growth stands in eastern boreal forests of Canada. <i>Canadian Journal of Forest Research</i> , 2002 , 32, 1080-1093	1.9	87
432	Fire frequency and vegetation dynamics for the south-central boreal forest of Quebec, Canada. <i>Canadian Journal of Forest Research</i> , 2002 , 32, 1996-2009	1.9	87
431	Beneficial effects of climate warming on boreal tree growth may be transitory. <i>Nature Communications</i> , 2018 , 9, 3213	17.4	84
430	Effects of stand composition on fire hazard in mixed-wood Canadian boreal forest. <i>Journal of Vegetation Science</i> , 2000 , 11, 813-824	3.1	84
429	Boreal forests of eastern Canada revisited: old growth, nonfire disturbances, forest succession, and biodiversity. <i>Botany</i> , 2012 , 90, 509-523	1.3	82
428	Competition and facilitation between tree species change with stand development. <i>Oikos</i> , 2011 , 120, 1683-1695	4	81
427	Testing forest ecosystem management in boreal mixedwoods of northwestern Quebec: initial response of aspen stands to different levels of harvesting. <i>Canadian Journal of Forest Research</i> , 2004 , 34, 431-446	1.9	81
426	Fire impacts and crowning in the boreal forest: study of a large wildfire in western Quebec. <i>International Journal of Wildland Fire</i> , 2001 , 10, 119	3.2	81
425	Differences in forest composition in two boreal forest ecoregions of Quebec. <i>Journal of Vegetation Science</i> , 2000 , 11, 781-790	3.1	81
424	Coarse woody debris in the southeastern Canadian boreal forest: composition and load variations in relation to stand replacement. <i>Canadian Journal of Forest Research</i> , 2000 , 30, 674-687	1.9	81
423	Facilitative succession in a boreal bryophyte community driven by changes in available moisture and light. <i>Journal of Vegetation Science</i> , 2006 , 17, 65-76	3.1	79
422	Spatiotemporal Variations of Fire Frequency in Central Boreal Forest. <i>Ecosystems</i> , 2010 , 13, 1227-1238	3.9	78
421	Site patterns of natural regeneration following clear-cutting in northwestern Quebec. <i>Canadian Journal of Forest Research</i> , 1989 , 19, 1458-1469	1.9	78
420	Scale-dependent determinants of heterogeneity in fire frequency in a coniferous boreal forest of eastern Canada. <i>Landscape Ecology</i> , 2007 , 22, 1325-1339	4.3	77
419	Edge effects on epiphytic lichens in managed black spruce forests of eastern North America. <i>Canadian Journal of Forest Research</i> , 2003 , 33, 23-32	1.9	77

4 ¹⁸	Ecological factors affecting the abundance of advance regeneration in Quebec's southwestern boreal forest. <i>Canadian Journal of Forest Research</i> , 1996 , 26, 888-898	1.9	77
4 ¹⁷	Effects of fire severity and initial tree composition on stand structural development in the coniferous boreal forest of northwestern Québec, Canada ¹ Associate Editor: Gilles Houle.. <i>Ecoscience</i> , 2006 , 13, 152-163	1.1	76
4 ¹⁶	Influence of Aspen on Forest Floor Properties in Black Spruce-dominated Stands. <i>Plant and Soil</i> , 2005 , 275, 207-220	4.2	76
4 ¹⁵	Predicting the effects of climate change on fire frequency in the southeastern Canadian boreal forest. <i>Water, Air, and Soil Pollution</i> , 1995 , 82, 437-444	2.6	76
4 ¹⁴	Above-Ground Biomass Accumulation along a 230-Year Chronosequence in the Southern Portion of the Canadian Boreal Forest. <i>Journal of Ecology</i> , 1995 , 83, 1001	6	76
4 ¹³	Diversity and Stability of Understorey Communities Following Disturbance in the Southern Boreal Forest. <i>Journal of Ecology</i> , 1997 , 85, 777	6	74
4 ¹²	Comparison of the understory vegetation in boreal forest types of southwest Quebec. <i>Canadian Journal of Botany</i> , 2001 , 79, 1019-1027		74
4 ¹¹	Effect of colonizing tree species on soil nutrient availability in a clay soil of the boreal mixedwood. <i>Canadian Journal of Forest Research</i> , 1996 , 26, 1022-1031	1.9	73
4 ¹⁰	Boreal mixedwood stand dynamics: ecological processes underlying multiple pathways. <i>Forestry Chronicle</i> , 2014 , 90, 202-213	1	72
4 ⁰⁹	Contribution of traditional knowledge to ecological restoration: Practices and applications. <i>Ecoscience</i> , 2012 , 19, 225-237	1.1	72
4 ⁰⁸	Range of variability in boreal aspen plant communities after wildfire and clear-cutting. <i>Canadian Journal of Forest Research</i> , 2004 , 34, 274-288	1.9	70
4 ⁰⁷	An 802-year tree-ring chronology from the Quebec boreal forest. <i>Canadian Journal of Forest Research</i> , 1992 , 22, 674-682	1.9	70
4 ⁰⁶	Fire in managed forests of eastern Canada: Risks and options. <i>Forest Ecology and Management</i> , 2013 , 294, 238-249	3.9	69
4 ⁰⁵	An analysis of the daily radial activity of 7 boreal tree species, northwestern Quebec. <i>Environmental Monitoring and Assessment</i> , 2001 , 67, 141-60	3.1	69
4 ⁰⁴	Post-fire development of canopy structure and composition in black spruce forests of Abitibi, Québec: a landscape scale study. <i>Silva Fennica</i> , 2002 , 36,	1.9	69
4 ⁰³	Trends and periodicities in the Canadian Drought Code and their relationships with atmospheric circulation for the southern Canadian boreal forest. <i>Canadian Journal of Forest Research</i> , 2004 , 34, 103-119	1.9	68
4 ⁰²	Postfire stand dynamics in a southern boreal forest (Québec): A dendroecological approach. <i>Ecoscience</i> , 1994 , 1, 173-184	1.1	68
4 ⁰¹	The effect of boreal forest composition on soil respiration is mediated through variations in soil temperature and C quality. <i>Soil Biology and Biochemistry</i> , 2012 , 53, 18-27	7.5	67

400	Effects of fire severity and initial tree composition on understorey vegetation dynamics in a boreal landscape inferred from chronosequence and paleoecological data. <i>Journal of Vegetation Science</i> , 2005 , 16, 665-674	3.1	67
399	Comparative dendroclimatological analysis of two black ash and two white cedar populations from contrasting sites in the Lake Duparquet region, northwestern Quebec. <i>Canadian Journal of Forest Research</i> , 1997 , 27, 108-116	1.9	65
398	Synoptic-Scale Atmospheric Circulation and Boreal Canada Summer Drought Variability of the Past Three Centuries. <i>Journal of Climate</i> , 2006 , 19, 1922-1947	4.4	64
397	Vegetation limits the impact of a warm climate on boreal wildfires. <i>New Phytologist</i> , 2013 , 199, 1001-1011	3.8	63
396	Relationships between change in fire frequency and mortality due to spruce budworm outbreak in the southeastern Canadian boreal forest. <i>Journal of Vegetation Science</i> , 1998 , 9, 492-500	3.1	63
395	Initial response of understorey vegetation to fire severity and salvage-logging in the southern boreal forest of Qubec. <i>Applied Vegetation Science</i> , 2004 , 7, 49-60	3.3	63
394	Forest dynamics modelling under natural fire cycles: A tool to define natural mosaic diversity for forest management. <i>Environmental Monitoring and Assessment</i> , 1996 , 39, 417-34	3.1	62
393	Changes in Spatiotemporal Patterns of 20th Century Spruce Budworm Outbreaks in Eastern Canadian Boreal Forests. <i>Frontiers in Plant Science</i> , 2018 , 9, 1905	6.2	62
392	Edge influence on vegetation at natural and anthropogenic edges of boreal forests in Canada and Fennoscandia. <i>Journal of Ecology</i> , 2015 , 103, 550-562	6	61
391	The effects of surficial deposit - drainage combinations on spatial variations of fire cycles in the boreal forest of eastern Canada. <i>International Journal of Wildland Fire</i> , 2010 , 19, 1083	3.2	61
390	Response of northeastern North American forests to climate change: Will soil conditions constrain tree species migration?. <i>Environmental Reviews</i> , 2010 , 18, 279-289	4.5	60
389	Snag degradation pathways of four North American boreal tree species. <i>Forest Ecology and Management</i> , 2010 , 259, 246-256	3.9	60
388	Old-Growth Forest Definitions: a Pragmatic View. <i>Ecological Studies</i> , 2009 , 11-33	1.1	60
387	Spatial distribution of late-successional coniferous species regeneration following disturbance in southwestern Qubec boreal forest. <i>Forest Ecology and Management</i> , 2001 , 140, 29-37	3.9	59
386	North America's oldest boreal trees are more efficient water users due to increased [CO ₂], but do not grow faster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 2749-2754	11.5	57
385	Species specific growth responses of black spruce and trembling aspen may enhance resilience of boreal forest to climate change. <i>Journal of Ecology</i> , 2013 , 101, 231-242	6	57
384	Stronger influence of anthropogenic disturbance than climate change on century-scale compositional changes in northern forests. <i>Nature Communications</i> , 2019 , 10, 1265	17.4	56
383	Historical fire regime shifts related to climate teleconnections in the Waswanipi area, central Quebec, Canada. <i>International Journal of Wildland Fire</i> , 2007 , 16, 607	3.2	55

382	Dendroclimatic response of <i>Picea mariana</i> and <i>Pinus banksiana</i> along a latitudinal gradient in the eastern Canadian boreal forest. <i>Canadian Journal of Forest Research</i> , 1999 , 29, 1333-1346	1.9	55
381	Stability of Soil Carbon Stocks Varies with Forest Composition in the Canadian Boreal Biome. <i>Ecosystems</i> , 2013 , 16, 852-865	3.9	54
380	Long-term fire frequency variability in the eastern Canadian boreal forest: the influences of climate vs. local factors. <i>Global Change Biology</i> , 2009 , 15, 1230-1241	11.4	54
379	Multicentury reconstruction of the Canadian Drought Code from eastern Canada and its relationship with paleoclimatic indices of atmospheric circulation. <i>Climate Dynamics</i> , 2004 , 23, 99-115	4.2	54
378	Are the old-growth forests of the Clay Belt part of a fire-regulated mosaic?. <i>Canadian Journal of Forest Research</i> , 2005 , 35, 65-73	1.9	53
377	Mortality and stand renewal patterns following the last spruce budworm outbreak in mixed forests of western Quebec. <i>Forest Ecology and Management</i> , 2005 , 204, 297-313	3.9	53
376	A field experiment to determine the effect of post-fire salvage on seedbeds and tree regeneration. <i>Frontiers in Ecology and the Environment</i> , 2006 , 4, 69-74	5.5	53
375	Ice-flood history reconstructed with tree-rings from the southern boreal forest limit, western Québec. <i>Holocene</i> , 1997 , 7, 291-300	2.6	52
374	Reproductive potential of balsam fir (<i>Abies balsamea</i>), white spruce (<i>Picea glauca</i>), and black spruce (<i>P. mariana</i>) at the ecotone between mixedwood and coniferous forests in the boreal zone of western Quebec. <i>American Journal of Botany</i> , 2007 , 94, 746-54	2.7	52
373	Forest structure and composition at young fire and cut edges in black spruce boreal forest. <i>Canadian Journal of Forest Research</i> , 2004 , 34, 289-302	1.9	52
372	Influence of fire intensity on structure and composition of jack pine stands in the boreal forest of Quebec: Live trees, understory vegetation and dead wood dynamics. <i>Forest Ecology and Management</i> , 2008 , 255, 2916-2927	3.9	51
371	Effects of stand age and litter removal on the regeneration of <i>Populus tremuloides</i> . <i>Journal of Vegetation Science</i> , 1994 , 5, 561-568	3.1	51
370	Use of ecological groups in analysis and classification of plant communities in a section of western Quebec. <i>Plant Ecology</i> , 1984 , 56, 45-63		51
369	Windthrow after group and dispersed tree retention in eastern Canada. <i>Forest Ecology and Management</i> , 2012 , 269, 158-167	3.9	50
368	Managing understory light conditions in boreal mixedwoods through variation in the intensity and spatial pattern of harvest: A modelling approach. <i>Forest Ecology and Management</i> , 2011 , 261, 84-94	3.9	50
367	Impact of global change and forest management on carbon sequestration in northern forested peatlands. <i>Environmental Reviews</i> , 2005 , 13, 199-240	4.5	50
366	Coarse woody debris dynamics in a post-fire jack pine chronosequence and its relation with site productivity. <i>Forest Ecology and Management</i> , 2005 , 220, 216-226	3.9	50
365	The responses of black spruce growth to an increased proportion of aspen in mixed stands. <i>Canadian Journal of Forest Research</i> , 2004 , 34, 405-416	1.9	50

364	Substrate and litterfall effects on conifer seedling survivorship in southern boreal stands of Canada. <i>Canadian Journal of Forest Research</i> , 2003 , 33, 672-681	1.9	50
363	Clonal and spatial genetic structures of aspen (<i>Populus tremuloides</i> Michx.). <i>Molecular Ecology</i> , 2005 , 14, 2969-80	5.7	49
362	Does time or habitat make old-growth forests species rich? Bryophyte richness in boreal <i>Picea mariana</i> forests. <i>Biological Conservation</i> , 2008 , 141, 1389-1399	6.2	48
361	Using knowledge of natural disturbances to support sustainable forest management in the northern Clay Belt. <i>Forestry Chronicle</i> , 2007 , 83, 326-337	1	48
360	Mixed-species effect on tree aboveground carbon pools in the east-central boreal forests. <i>Canadian Journal of Forest Research</i> , 2010 , 40, 37-47	1.9	47
359	Successional pathways on different surficial deposits in the coniferous boreal forest of the Quebec Clay Belt. <i>Canadian Journal of Forest Research</i> , 2005 , 35, 1984-1995	1.9	47
358	Age structure of red pine (<i>Pinusresinosa</i> Ait.) at its northern limit in Quebec. <i>Canadian Journal of Forest Research</i> , 1987 , 17, 129-137	1.9	47
357	Spatial pattern analyses of post-fire residual stands in the black spruce boreal forest of western Quebec. <i>International Journal of Wildland Fire</i> , 2010 , 19, 1110	3.2	46
356	Effect of increased fire activity on global warming in the boreal forest. <i>Environmental Reviews</i> , 2014 , 22, 206-219	4.5	45
355	Eastern boreal North American wildfire risk of the past 7000 years: A model-data comparison. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	45
354	Photoperiod and temperature as dominant environmental drivers triggering secondary growth resumption in Northern Hemisphere conifers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 20645-20652	11.5	45
353	Regional patterns of postfire canopy recovery in the northern boreal forest of Quebec: interactions between surficial deposit, climate, and fire cycle1This 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, 1229-1242	1.9	44
352	Paludification dynamics in the boreal forest of the James Bay Lowlands: effect of time since fire and topography. <i>Canadian Journal of Forest Research</i> , 2009 , 39, 546-552	1.9	43
351	Effect of fire severity on regeneration success in the boreal forest of northwest Québec, Canada1 Associate Editor: Gilles Houle.. <i>Ecoscience</i> , 2006 , 13, 143-151	1.1	43
350	Population age structure of <i>Pinus banksiana</i> at the southern edge of the Canadian boreal forest. <i>Journal of Vegetation Science</i> , 1993 , 4, 783-790	3.1	43
349	Influence of forest composition on understory cover in boreal mixedwood forests of western Quebec. <i>Silva Fennica</i> , 2002 , 36,	1.9	43
348	A 229-year dendroclimatic-inferred record of forest fire activity for the Boreal Shield of Canada. <i>International Journal of Wildland Fire</i> , 2006 , 15, 375	3.2	42
347	Long-term changes in the impacts of global warming on leaf phenology of four temperate tree species. <i>Global Change Biology</i> , 2019 , 25, 997-1004	11.4	42

- 346 Resilience of the boreal forest in response to Holocene fire-frequency changes assessed by pollen diversity and population dynamics. *International Journal of Wildland Fire*, **2010**, 19, 1026 3.2 40
- 345 Tree mortality and snag dynamics in North American boreal tree species after a wildfire: a long-term study. *International Journal of Wildland Fire*, **2011**, 20, 751 3.2 40
- 344 Effect of forest canopy composition on soil nutrients and dynamics of the understory: mixed canopies serve neither vascular nor bryophyte strata. *Journal of Vegetation Science*, **2011**, 22, 1105-1119^{3.1} 39
- 343 Coarse root biomass allometric equations for *Abies balsamea*, *Picea mariana*, *Pinus banksiana*, and *Populus tremuloides* in the boreal forest of Ontario, Canada. *Biomass and Bioenergy*, **2011**, 35, 4189-4198^{5.3} 38
- 342 Changes in fire regime explain the Holocene rise and fall of *Abies balsamea* in the coniferous forests of western Québec, Canada. *Holocene*, **2008**, 18, 693-703 2.6 38
- 341 Using dendrochronology to reconstruct disturbance and forest dynamics around Lake Duparquet, northwestern Quebec. *Dendrochronologia*, **2002**, 20, 175-189 2.8 38
- 340 POPULATION DYNAMICS OF *FRAXINUS NIGRA* IN RESPONSE TO FLOOD-LEVEL VARIATIONS, IN NORTHWESTERN QUEBEC. *Ecological Monographs*, **1999**, 69, 107-125 9 38
- 339 Regional paleofire regimes affected by non-uniform climate, vegetation and human drivers. *Scientific Reports*, **2015**, 5, 13356 4.9 37
- 338 Multi-century reconstruction of fire activity in Northern European boreal forest suggests differences in regional fire regimes and their sensitivity to climate. *Journal of Ecology*, **2014**, 102, 738-748⁶ 37
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