F Wayne Bell

List of Publications by Year
in descending order

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51 papers	1,184 citations	361413 20 h-index	414414 32 g-index
51 all docs	51 docs citations	51 times ranked	912 citing authors

#	Article	IF	Citations
1	The effects of silvicultural disturbances on cryptogam diversity in the boreal-mixedwood forest. Canadian Journal of Forest Research, 2002, 32, 38-51.	1.7	86
2	Relative competitiveness of nine early-successional boreal forest species associated with planted jack pine and black spruce seedlings. Canadian Journal of Forest Research, 2000, 30, 790-800.	1.7	63
3	Competition theory â€" science and application in mixed forest stands: review of experimental and modelling methods and suggestions for future research. Environmental Reviews, 2013, 21, 71-84.	4.5	55
4	Effects of forest floor disturbances by mechanical site preparation on floristic diversity in a central Ontario clearcut. Forest Ecology and Management, 2007, 246, 196-207.	3.2	53
5	The effects of silvicultural disturbances on the diversity of seed-producing plants in the boreal mixedwood forest. Canadian Journal of Forest Research, 2002, 32, 1180-1191.	1.7	48
6	An Overview of The Efficacy of Vegetation Management Alternatives for Conifer Regeneration in Boreal Forests. Forestry Chronicle, 2011, 87, 175-200.	0.6	46
7	Motorâ€“manual, mechanical, and herbicide release affect early successional vegetation in northwestern Ontario. Forestry Chronicle, 1997, 73, 61-68.	0.6	43
8	Influence of microhabitat on bryophyte diversity in Ontario mixedwood boreal forest. Canadian Journal of Forest Research, 2008, 38, 1867-1876.	1.7	43
9	The effects of glyphosate and triclopyr on common bryophytes and lichens in northwestern Ontario. Canadian Journal of Forest Research, 1999, 29, 1101-1111.	1.7	40
10	Developing a silvicultural framework and definitions for use in forest management planning and practice. Forestry Chronicle, 2008, 84, 678-693.	0.6	38
11	Geographic scale and disturbance influence intraspecific trait variability in leaves and roots of North American understorey plants. Functional Ecology, 2019, 33, 1771-1784.	3.6	34
12	Photosynthesis, nitrogen-use efficiency, and water-use efficiency of jack pine seedlings in competition with four boreal forest plant species. Canadian Journal of Forest Research, 2001, 31, 2014-2025.	1.7	33
13	Restoration of floral diversity through plantations on abandoned agricultural land. Canadian Journal of Forest Research, 2006, 36, 1218-1235.	1.7	33
14	Comparison of photosynthetically active radiation and cover estimation for measuring the effects of interspecific competition on jack pine seedlings. Canadian Journal of Forest Research, 1999, 29, 883-889.	1.7	30
15	Productivity, cost, efficacy and cost effectiveness of motor-manual, mechanical, and herbicide release of boreal spruce plantations. Forestry Chronicle, 1997, 73, 39-46.	0.6	27
16	Ontario's forest growth and yield modelling program: Advances resulting from the Forestry Research Partnership. Forestry Chronicle, 2008, 84, 694-703.	0.6	27
17	Climatic sensitivity, waterâ€use efficiency, and growth decline in boreal jack pine (<i>Pinus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 121, 2761-2774.	3.0	26
18	Response of Immature Trembling Aspen to Season and Height of Cut. Northern Journal of Applied Forestry, 1999, 16, 108-114.	0.5	23

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19	Longer-Term Volume Trade-offs in Spruce and Jack Pine Plantations Following Various Conifer Release Treatments. Forestry Chronicle, 2011, 87, 235-250.	0.6	23
20	Light attenuation by early successional plants of the boreal forest. Canadian Journal of Forest Research, 2001, 31, 812-823.	1.7	22
21	On-target deposit and vertical distribution of aerially released herbicides. Forestry Chronicle, 1997, 73, 47-59.	0.6	21
22	Effects of stand tending on the estimation of aboveground biomass of planted juvenile white spruce. Canadian Journal of Forest Research, 2004, 34, 649-658.	1.7	21
23	Indirect effects of conifer release alternatives on songbird populations in northwestern Ontario. Forestry Chronicle, 1997, 73, 107-112.	0.6	19
24	Alternative conifer release treatments affect below- and near-ground microclimate. Forestry Chronicle, 1997, 73, 75-82.	0.6	19
25	Growth Response of Picea mariana Seedlings to Competition for Radiation. Scandinavian Journal of Forest Research, 2000, 15, 334-342.	1.4	19
26	Juvenile response to conifer release alternatives on aspen-white spruce boreal mixedwood sites.Part I: Stand structure and composition. Forestry Chronicle, 2005, 81, 538-547.	0.6	19
27	Cutting versus herbicides: Tenth-year volume and release cost-effectiveness of sub-boreal conifer plantations. Forestry Chronicle, 2006, 82, 521-528.	0.6	18
28	Is Intensive Forest Management a misnomer? An Ontario-based discussion of terminology and an alternative approac. Forestry Chronicle, 2006, 82, 662-674.	0.6	18
29	Effects of silviculture intensity on plant diversity response patterns in young managed northern temperate and boreal forests. Ecoscience, 2014, 21, 327-339.	1.4	18
30	Relative influence of climate, soils, and disturbance on plant species richness in northern temperate and boreal forests. Forest Ecology and Management, 2016, 381, 93-105.	3.2	18
31	The Fallingsnow Ecosystem Project: Comparing conifer release alternatives in northwestern Ontario. Forestry Chronicle, 1997, 73, 35-38.	0.6	17
32	Long-term effects of intensive silvicultural practices on productivity, composition, and structure of northern temperate and boreal plantations in Ontario, Canada. Forest Ecology and Management, 2007, 241, 115-126.	3.2	16
33	Effects of timing of glyphosate application on jack pine, black spruce, and white spruce plantations in northern Manitoba. Forestry Chronicle, 2008, 84, 37-45.	0.6	16
34	What are the Environmental Consequences of Using Silviculturally Effective Forest Vegetation Management Treatments?. Forestry Chronicle, 2011, 87, 201-216.	0.6	16
35	Ecology and Traits of Plant Species that Compete with Boreal and Temperate Forest Conifers: An Overview of Available Information and its Use in Forest Management in Canada. Forestry Chronicle, 2011, 87, 161-174.	0.6	16
36	The effects of triclopyr and glyphosate on lichens. Forest Ecology and Management, 2012, 264, 90-97.	3.2	16

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37	Effect of species composition on the production rate and efficiency of young Picea glaucaâ€“Populus tremuloides forests. Forest Ecology and Management, 2014, 315, 1-11.	3.2	14
38	Application of large- and medium-scale aerial photographs to forest vegetation management: A case study. Forestry Chronicle, 2000, 76, 903-913.	0.6	13
39	Do tree-level monocultures develop following Canadian boreal silviculture? Tree-level diversity tested using a new method. Biodiversity and Conservation, 2007, 16, 2933-2948.	2.6	11
40	The Canadian Ecology Centre â€“ Forestry Research Partnership: Implementing a research strategy based on an active adaptive management approach. Forestry Chronicle, 2008, 84, 666-677.	0.6	9
41	Juvenile response to conifer release alternatives on aspen-white spruce boreal mixedwood sites.Part II: Quality of aspen regeneration. Forestry Chronicle, 2005, 81, 548-558.	0.6	8
42	Chemical site preparation influences productivity, composition, and structure of boreal mixedwoods in Ontario, Canada. Forest Ecology and Management, 2006, 229, 145-154.	3.2	8
43	Simulating the Effects of Intensifying Silviculture on Desired Species Yields across a Broad Environmental Gradient. Forests, 2021, 12, 755.	2.1	8
44	Aboveâ€•and belowground drivers of intraspecific trait variability across subcontinental gradients for five ubiquitous forest plants in North America. Journal of Ecology, 2022, 110, 1590-1605.	4.0	8
45	Ontario's Forestry Research Partnership: Progress and next steps. Forestry Chronicle, 2008, 84, 756-763.	0.6	6
46	Temporal changes of understory plant community in response to pre- and post-harvesting herbicide treatments and partial cutting in aspen-dominated boreal mixedwood stands. European Journal of Forest Research, 2018, 137, 337-348.	2.5	6
47	The NEBIE plot network: Background and experimental design. Forestry Chronicle, 2017, 93, 87-102.	0.6	6
48	Evaluating the Performance of a Forest Succession Model to Predict the Long-Term Dynamics of Tree Species in Mixed Boreal Forests Using Historical Data in Northern Ontario, Canada. Forests, 2021, 12, 1181.	2.1	4
49	Patterns and potential drivers of exotic plant diversity in managed northern temperate and boreal forests. Forest Ecology and Management, 2022, 513, 120167.	3.2	2
50	Effect of competition on individual white spruce production in young boreal mixedwood forests. Canadian Journal of Forest Research, 2020, 50, 726-735.	1.7	1
51	Effects of silvicultural treatments on post-harvesting residual tree mortality. Forest Ecology and Management, 2022, 506, 119974.	3.2	0