

Nelson Thiffault

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

2,655
citations

304743

22
h-index

223800

46
g-index

123
all docs

123
docs citations

123
times ranked

4215
citing authors

#	ARTICLE	IF	CITATIONS
1	The changing culture of silviculture. <i>Forestry</i> , 2022, 95, 143-152.	2.3	54
2	Mitigating post-fire regeneration failure in boreal landscapes with reforestation and variable retention harvesting: At what cost?. <i>Canadian Journal of Forest Research</i> , 2022, 52, 568-581.	1.7	16
3	Above- and belowground drivers of intraspecific trait variability across subcontinental gradients for five ubiquitous forest plants in North America. <i>Journal of Ecology</i> , 2022, 110, 1590-1605.	4.0	8
4	Detecting Compensatory Growth in Silviculture Trials: Empirical Evidence From Three Case Studies Across Canada. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	3
5	Datasets of productivity and vegetation composition of boreal stands from an experiment comparing silviculture scenarios of increasing intensity after 20 years. <i>Data in Brief</i> , 2022, 43, 108387.	1.0	1
6	High exposure of global tree diversity to human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	18
7	Height growth stagnation of planted spruce in boreal mixedwoods: Importance of landscape, microsite, and growing-season frosts. <i>Forest Ecology and Management</i> , 2021, 479, 118533.	3.2	8
8	Managing plantation density through initial spacing and commercial thinning: yield results from a 60-year-old red pine spacing trial experiment. <i>Canadian Journal of Forest Research</i> , 2021, 51, 181-189.	1.7	7
9	Resilience of natural forests can jeopardize or enhance plantation productivity. <i>Forest Ecology and Management</i> , 2021, 482, 118872.	3.2	5
10	Revisiting the Functional Zoning Concept under Climate Change to Expand the Portfolio of Adaptation Options. <i>Forests</i> , 2021, 12, 273.	2.1	18
11	Trade-Offs among Release Treatments in Jack Pine Plantations: Twenty-Five Year Responses. <i>Forests</i> , 2021, 12, 370.	2.1	4
12	Correction: Managing plantation density through initial spacing and commercial thinning: yield results from a 60-year-old red pine spacing trial experiment. <i>Canadian Journal of Forest Research</i> , 2021, 51, 879-879.	1.7	1
13	Modeling tolerant hardwood sapling density and occurrence probability in the Acadian forests of New Brunswick, Canada: Results 14 years after harvesting. <i>Forestry Chronicle</i> , 2021, 97, 204-218.	0.6	4
14	Biomass procurement in boreal forests affected by spruce budworm: effects on regeneration, costs, and carbon balance. <i>Canadian Journal of Forest Research</i> , 2021, 51, 1939-1952.	1.7	5
15	Can understory functional traits predict post-harvest forest productivity in boreal ecosystems?. <i>Forest Ecology and Management</i> , 2021, 495, 119375.	3.2	4
16	Enhancing Forest Productivity, Value, and Health through Silviculture in a Changing World. <i>Forests</i> , 2021, 12, 1550.	2.1	2
17	Twenty-six years of aspen regeneration under varying light conditions in a boreal mixedwood forest. <i>Forestry Chronicle</i> , 2021, 97, 326-342.	0.6	0
18	How climate change might affect tree regeneration following fire at northern latitudes: a review. <i>New Forests</i> , 2020, 51, 543-571.	1.7	54

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19	TRY plant trait database “ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
20	Canopy Nitrogen Addition and Soil Warming Affect Conifer Seedlings’ Phenology but Have Limited Impact on Growth and Soil N Mineralization in Boreal Forests of Eastern Canada. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	5
21	Intensive Mechanical Site Preparation to Establish Short Rotation Hybrid Poplar Plantations” A Case-Study in Qu’bec, Canada. <i>Forests</i> , 2020, 11, 785.	2.1	6
22	Moose Browsing Tends Spruce Plantations More Efficiently Than a Single Mechanical Release. <i>Forests</i> , 2020, 11, 1138.	2.1	9
23	Ecological issues related to second-growth boreal forest management in eastern Quebec, Canada: Expert perspectives from a Delphi process. <i>Forest Ecology and Management</i> , 2020, 470-471, 118214.	3.2	3
24	Phenology-Based Mapping of an Alien Invasive Species Using Time Series of Multispectral Satellite Data: A Case-Study with Glossy Buckthorn in Qu’bec, Canada. <i>Remote Sensing</i> , 2020, 12, 922.	4.0	13
25	Regional Climate, Edaphic Conditions and Establishment Substrates Interact to Influence Initial Growth of Black Spruce and Jack Pine Planted in the Boreal Forest. <i>Forests</i> , 2020, 11, 139.	2.1	8
26	Role of green alder in boreal conifer growth: competitor or facilitator?. <i>Facets</i> , 2020, 5, 166-181.	2.4	9
27	Resource availability and physiological response of black spruce to scarification in two climatic regions of Qu’bec (Canada). <i>Silva Fennica</i> , 2020, 54, .	1.3	5
28	Manipulating forage and risk avoidance to increase white-tailed deer vulnerability to hunters. <i>Wildlife Biology</i> , 2020, 2020, .	1.4	2
29	White spruce enrichment planting in boreal mixedwoods as influenced by localized site preparation: 11-year update. <i>Forestry Chronicle</i> , 2020, 96, 27-35.	0.6	1
30	Exploring the potential of two-aged white spruce plantations for the production of sawlog volume with simulations using SORTIE-ND. <i>Reforesta</i> , 2020, , 11-24.	0.4	0
31	Geographic scale and disturbance influence intraspecific trait variability in leaves and roots of North American understorey plants. <i>Functional Ecology</i> , 2019, 33, 1771-1784.	3.6	34
32	Effects of Mechanical Site Preparation on Microsite Availability and Growth of Planted Black Spruce in Canadian Paludified Forests. <i>Forests</i> , 2019, 10, 670.	2.1	13
33	Balsam fir stands of northeastern North America are resilient to spruce plantation. <i>Forest Ecology and Management</i> , 2019, 450, 117504.	3.2	9
34	Influence of Root System Characteristics on Black Spruce Seedling Responses to Limiting Conditions. <i>Plants</i> , 2019, 8, 70.	3.5	3
35	Abundance and Impacts of Competing Species on Conifer Regeneration Following Careful Logging in the Eastern Canadian Boreal Forest. <i>Forests</i> , 2019, 10, 177.	2.1	10
36	Nine years of in situ soil warming and topography impact the temperature sensitivity and basal respiration rate of the forest floor in a Canadian boreal forest. <i>PLoS ONE</i> , 2019, 14, e0226909.	2.5	17

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37	Root system origin and structure influence planting shock of black spruce seedlings in boreal microsites. <i>Forest Ecology and Management</i> , 2019, 433, 594-605.	3.2	8
38	Contribution of adventitious vs initial roots to growth and physiology of black spruce seedlings. <i>Physiologia Plantarum</i> , 2019, 165, 29-38.	5.2	7
39	Black spruce seedling growth response in controlled organic and organic-mineral substrates. <i>Silva Fennica</i> , 2019, 53, .	1.3	2
40	Legacy effects of precommercial thinning on the natural regeneration of next rotation balsam fir stands in eastern Canada. <i>Silva Fennica</i> , 2019, 53, .	1.3	2
41	Interactions entre le type de plants et la sylviculture dans la restauration de sapinières sous forte pression de broutement. <i>Forestry Chronicle</i> , 2019, 95, 29-38.	0.6	2
42	Title is missing!. , 2019, 14, e0226909.		0
43	Title is missing!. , 2019, 14, e0226909.		0
44	Title is missing!. , 2019, 14, e0226909.		0
45	Title is missing!. , 2019, 14, e0226909.		0
46	Title is missing!. , 2019, 14, e0226909.		0
47	Title is missing!. , 2019, 14, e0226909.		0
48	Résultats d'un essai d'application du gavage mécanique en plantations d'épinettes blanche et noire dans un scénario de reboisement hâtif. <i>Forestry Chronicle</i> , 2018, 94, 183-194.	0.6	1
49	Conifer Regeneration After Experimental Shelterwood and Seed-Tree Treatments in Boreal Forests: Finding Silvicultural Alternatives. <i>Frontiers in Plant Science</i> , 2018, 9, 1145.	3.6	58
50	Effets comparatifs de la préparation mécanique du sol et de l'application d'un phytocide chimique pour maîtriser le nerprun et favoriser la croissance en plantations forestières. <i>Forestry Chronicle</i> , 2018, 94, 68-74.	0.6	0
51	Mid- and long-term effects of stock type on the growth and yield of spruce seedlings in a non-herbicide scenario. <i>Reforesta</i> , 2018, , 60-70.	0.4	1
52	Key ecosystem attributes and productivity of boreal stands 20 years after the onset of silviculture scenarios of increasing intensity. <i>Forest Ecology and Management</i> , 2017, 389, 404-416.	3.2	14
53	Mechanical site preparation and nurse plant facilitation for the restoration of subarctic forest ecosystems. <i>Canadian Journal of Forest Research</i> , 2017, 47, 926-934.	1.7	8
54	Ecological drivers of post-fire regeneration in a recently managed boreal forest landscape of eastern Canada. <i>Forest Ecology and Management</i> , 2017, 399, 74-81.	3.2	17

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55	Deer browsing outweighs the effects of site preparation and mechanical release on balsam fir seedlings performance: Implications to forest management. <i>Forest Ecology and Management</i> , 2017, 405, 360-366.	3.2	11
56	A conditional probability index to quantify the amplitude and the direction of spatiotemporal changes in communities. <i>Ecosphere</i> , 2017, 8, e01782.	2.2	0
57	Twenty-five years post-treatment conifer responses to silviculture on a <i>Kalmia</i> -dominated site in eastern Canada. <i>Forestry Chronicle</i> , 2017, 93, 161-170.	0.6	7
58	Precommercial Thinning of <i>Picea mariana</i> and <i>Pinus banksiana</i> : Impact of Treatment Timing and Competitors on Growth Response. <i>Forest Science</i> , 2017, 63, 62-70.	1.0	6
59	Early silvicultural guidelines for intensive management of hybrid larch plantations on fertile sub-boreal sites. <i>Silva Fennica</i> , 2017, 51, .	1.3	1
60	The Delphi method as an alternative to standard committee meetings to identify ecological issues for forest ecosystem-based management: A case study. <i>Forestry Chronicle</i> , 2016, 92, 453-464.	0.6	8
61	Short-term effects of organic matter scalping on the growth and nutrition of black spruce and jack pine seedlings planted in the boreal forest. <i>Forestry Chronicle</i> , 2016, 92, 221-231.	0.6	2
62	Effets à court terme du décapage de la matière organique sur la croissance et la nutrition des pinettes noires et de pins gris mis en terre en forêt boréale. <i>Forestry Chronicle</i> , 2016, 92, 210-220.	0.6	0
63	Forest productivity after careful logging and fire in black spruce stands of the Canadian Clay Belt. <i>Canadian Journal of Forest Research</i> , 2016, 46, 783-793.	1.7	4
64	Management of forest regeneration in boreal and temperate deer forest systems: challenges, guidelines, and research gaps. <i>Ecosphere</i> , 2016, 7, e01488.	2.2	68
65	Towards the development of multifunctional molecular indicators combining soil biogeochemical and microbiological variables to predict the ecological integrity of silvicultural practices. <i>Microbial Biotechnology</i> , 2016, 9, 316-329.	4.2	3
66	Complex impacts of logging residues on planted hybrid poplar seedlings in boreal ecosystems. <i>New Forests</i> , 2016, 47, 877-895.	1.7	2
67	Phosphate-solubilizing bacteria isolated from ectomycorrhizal mycelium of <i>Picea glauca</i> are highly efficient at fluorapatite weathering. <i>Botany</i> , 2016, 94, 1183-1193.	1.0	18
68	Silviculture to sustain productivity in black spruce paludified forests. <i>Forest Ecology and Management</i> , 2016, 375, 172-181.	3.2	9
69	Recovery of plant community functional traits following severe soil perturbation in plantations: a case-study. <i>International Journal of Biodiversity Science, Ecosystem Services & Management</i> , 2016, 12, 116-127.	2.9	3
70	Issues and perspectives on the use of exotic species in the sustainable management of Canadian forests. <i>Reforesta</i> , 2016, , 261-280.	0.4	4
71	Ecological gradients driving the distribution of four Ericaceae in boreal Quebec, Canada. <i>Ecology and Evolution</i> , 2015, 5, 1837-1853.	1.9	8
72	Bluejoint Is an Effective Bio-Barrier Species on Mine Covers. <i>Journal of Environmental Quality</i> , 2015, 44, 1791-1799.	2.0	0

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73	Vegetation Management, Stock Type, and Scarification Effects on White Pine Weevil Incidence and Early Norway Spruce Growth in QuĂ©bec, Canada. <i>Forest Science</i> , 2015, 61, 966-972.	1.0	2
74	Early performance of planted hybrid larch: effects of mechanical site preparation and planting depth. <i>New Forests</i> , 2015, 46, 319-337.	1.7	19
75	Mechanical site preparation: Key to microsite creation success on Clay Belt paludified sites. <i>Forestry Chronicle</i> , 2015, 91, 187-196.	0.6	17
76	The Role of Aggregated Forest Harvest Residue in Soil Fertility, Plant Growth, and Pollination Services. <i>Soil Science Society of America Journal</i> , 2014, 78, S196.	2.2	14
77	Structuring Effects of Deer in Boreal Forest Ecosystems. <i>Advances in Ecology</i> , 2014, 2014, 1-10.	0.5	24
78	Enjeux et solutions pour la sylviculture intensive de plantations dans un contexte d'amĂ©nagement Ă©cosystĂ©mique. <i>Forestry Chronicle</i> , 2014, 90, 732-747.	0.6	4
79	Issues and solutions for intensive plantation silviculture in a context of ecosystem management. <i>Forestry Chronicle</i> , 2014, 90, 748-762.	0.6	26
80	Large spruce seedling responses to the interacting effects of vegetation zone, competing vegetation dominance and year of mechanical release. <i>Forestry</i> , 2014, 87, 153-164.	2.3	7
81	Comparing large containerized and bareroot conifer stock on sites of contrasting vegetation composition in a non-herbicide scenario. <i>New Forests</i> , 2014, 45, 875-891.	1.7	19
82	Amounts of logging residues affect planting microsites: A manipulative study across northern forest ecosystems. <i>Forest Ecology and Management</i> , 2014, 312, 203-215.	3.2	26
83	Enrichment planting of <i>Picea glauca</i> in boreal mixedwoods: can localized site preparation enhance early seedling survival and growth?. <i>New Forests</i> , 2013, 44, 533-546.	1.7	11
84	Stock type performance in addressing top-down and bottom-up factors for the restoration of indigenous trees. <i>Forest Ecology and Management</i> , 2013, 307, 333-340.	3.2	15
85	Managing Understory Vegetation for Maintaining Productivity in Black Spruce Forests: A Synthesis within a Multi-Scale Research Model. <i>Forests</i> , 2013, 4, 613-631.	2.1	31
86	The Relative Importance of Nitrogen vs. Moisture Stress May Drive Intraspecific Variations in the SLA-RGR Relationship: The Case of <i>Picea mariana</i> Seedlings. <i>American Journal of Plant Sciences</i> , 2013, 04, 1278-1284.	0.8	13
87	Initial distance to <i>Kalmia angustifolia</i> as a predictor of planted conifer growth. <i>New Forests</i> , 2012, 43, 849-868.	1.7	11
88	Large Planting Stock Type and Mechanical Release Effects on the Establishment Success of <i>Picea glauca</i> Plantations in Quebec, Canada. <i>International Journal of Forestry Research</i> , 2012, 2012, 1-12.	0.8	10
89	Planted <i>Picea mariana</i> growth and nutrition as influenced by silviculture x nursery interactions on an ericaceous-dominated site. <i>Silva Fennica</i> , 2012, 46, .	1.3	10
90	Does trait plasticity of three boreal nutrient-conserving species relate to their competitive ability?. <i>Ecoscience</i> , 2011, 18, 382-393.	1.4	7

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91	The Biology of Canadian Weeds. 146. <i>Rhododendron groenlandicum</i> (Oeder) Kron and Judd. Canadian Journal of Plant Science, 2011, 91, 725-738.	0.9	21
92	Social Concerns, Risk and The Acceptability of Forest Vegetation Management Alternatives: Insights for Managers. Forestry Chronicle, 2011, 87, 274-289.	0.6	34
93	An Overview of The Efficacy of Vegetation Management Alternatives for Conifer Regeneration in Boreal Forests. Forestry Chronicle, 2011, 87, 175-200.	0.6	46
94	Synthesis of Silviculture Options, Costs, and Consequences of Alternative Vegetation Management Practices Relevant to Boreal and Temperate Conifer Forests: Introduction. Forestry Chronicle, 2011, 87, 155-160.	0.6	10
95	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
96	Living without herbicides in QuÃ©bec (Canada): historical context, current strategy, research and challenges in forest vegetation management. European Journal of Forest Research, 2011, 130, 117-133.	2.5	79
97	Field Photosynthesis Measurements on Black Spruce (<i>Picea mariana</i>): Does Needle Age Matter?. Communications in Soil Science and Plant Analysis, 2011, 42, 2738-2750.	1.4	7
98	Silviculture and planted species interact to influence reforestation success on a <i>Kalmia</i> -dominated site â€” a 15-year study. Forestry Chronicle, 2010, 86, 234-242.	0.6	14
99	StabilitÃ© mÃ©canique et caractÃ©ristiques racinaires de plants de fortes dimensions de <i>Picea mariana</i> produits en rÃ©cipients ou Ã© racines nues. Forestry Chronicle, 2010, 86, 469-476.	0.6	7
100	Ericaceous shrubs affect black spruce physiology independently from inherent site fertility. Forest Ecology and Management, 2010, 260, 219-228.	3.2	20
101	Do position and species identity of neighbours matter in 15-year-old post harvest mesic stands in the boreal mixedwood?. Forest Ecology and Management, 2010, 260, 1124-1131.	3.2	30
102	Comparative physiological responses of <i>Rhododendron groenlandicum</i> and regenerating <i>Picea mariana</i> following partial canopy removal in northeastern Quebec, Canada. Canadian Journal of Forest Research, 2010, 40, 1791-1802.	1.7	17
103	Long-term black spruce plantation growth and structure after release and juvenile cleaning: A 24-year study. Forestry Chronicle, 2009, 85, 417-426.	0.6	16
104	A multi-resolution satellite imagery approach for large area mapping of ericaceous shrubs in Northern Quebec, Canada. International Journal of Applied Earth Observation and Geoinformation, 2009, 11, 334-343.	2.8	23
105	Controlling <i>Kalmia</i> and reestablishing conifer dominance enhances soil fertility indicators in central Newfoundland, Canada. Canadian Journal of Forest Research, 2009, 39, 1270-1279.	1.7	10
106	<i>Kalmia</i> removal increases nutrient supply and growth of black spruce seedlings: An effect fertilizer cannot emulate. Forest Ecology and Management, 2008, 256, 1780-1784.	3.2	32
107	How to shift unproductive <i>Kalmia angustifolia</i> â€” <i>Rhododendron groenlandicum</i> heath to productive conifer plantation. Canadian Journal of Forest Research, 2006, 36, 2364-2376.	1.7	49
108	How to wreck your own presentation: Twelve tips to confuse an audience. Forestry Chronicle, 2005, 81, 498-501.	0.6	0

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109	Silvicultural options to promote seedling establishment on Kalmia-Vaccinium-dominated sites. Scandinavian Journal of Forest Research, 2005, 20, 110-121.	1.4	40
110	Régénération artificielle des pessières noires Atlantiques : effets du scarifiage, de la fertilisation et du type de plants après 10 ans. Forestry Chronicle, 2004, 80, 141-149.	0.6	37
111	Stock type in intensive silviculture: A (short) discussion about roots and size. Forestry Chronicle, 2004, 80, 463-468.	0.6	23
112	Black spruce seedlings in a Kalmia-Vaccinium association: microsite manipulation to explore interactions in the field. Canadian Journal of Forest Research, 2004, 34, 1657-1668.	1.7	53
113	Plant species diversity and composition along an experimental gradient of northern hardwood abundance in Picea mariana plantations. Forest Ecology and Management, 2004, 198, 209-221.	3.2	39
114	Performance and physiology of large containerized and bare-root spruce seedlings in relation to scarification and competition in Québec (Canada). Annals of Forest Science, 2003, 60, 645-655.	2.0	50
115	Washing procedure for mixed-bed ion exchange resin decontamination for in situ nutrient adsorption. Communications in Soil Science and Plant Analysis, 2000, 31, 543-546.	1.4	13
116	POTENTIAL OF UAV BASED CONVERGENT PHOTOGRAMMETRY IN MONITORING REGENERATION STANDARDS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W4, 281-285.	0.2	6
117	Biomass Procurement in Boreal Forests Affected by Spruce Budworm: Effects on Regeneration, Costs and Carbon Balance. SSRN Electronic Journal, 0, , .	0.4	0
118	Opportunities and limitations of thinning to increase resistance and resilience of trees and forests to global change. Forestry, 0, , .	2.3	9