David ParÃ©

List of Publications by Year
in descending order

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196 papers	11,683 citations	25034 57 h-index	33894 99 g-index
198 all docs	198 docs citations	198 times ranked	9840 citing authors

#	Article	IF	Citations
1	Carbon accumulation in agricultural soils after afforestation: a metaâ€•analysis. Global Change Biology, 2010, 16, 439-453.	9.5	708
2	Effects of forest biomass harvesting on soil productivity in boreal and temperate forestsÂâ€" A review. Environmental Reviews, 2011, 19, 278-309.	4.5	334
3	Tamm Review: Influence of forest management activities on soil organic carbon stocks: A knowledge synthesis. Forest Ecology and Management, 2020, 466, 118127.	3.2	327
4	CANOPY GAP CHARACTERISTICS AND TREE REPLACEMENT IN THE SOUTHEASTERN BOREAL FOREST. Ecology, 1998, 79, 783-794.	3.2	321
5	An Inhibitory Interface Gates Impulse Traffic between the Input and Output Stations of the Amygdala. Journal of Neuroscience, 1999, 19, 10575-10583.	3.6	305
6	Soil, pH and N availability effects on net nitrification in the forest floors of a range of boreal forest stands. Soil Biology and Biochemistry, 1999, 31, 1579-1589.	8.8	297
7	Coherent amygdalocortical theta promotes fear memory consolidation during paradoxical sleep. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6516-6519.	7.1	296
8	Effects of tree species, stand age and soil type on soil microbial biomass and its activity in a southern boreal forest. Soil Biology and Biochemistry, 1998, 30, 1077-1089.	8.8	272
9	Dynamics of carbon and nitrogen mineralization in relation to stand type, stand age and soil texture in the boreal mixedwood. Soil Biology and Biochemistry, 2000, 32, 1079-1090.	8.8	226
10	Plant secondary metabolites: a key driver of litter decomposition and soil nutrient cycling. Journal of Ecology, 2016, 104, 1527-1541.	4.0	222
11	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. Environmental Research Letters, 2016, 11, 034014.	5.2	199
12	FOREST PRODUCTIVITY DECLINE CAUSED BY SUCCESSIONAL PALUDIFICATION OF BOREAL SOILS. Ecological Applications, 2007, 17, 1619-1637.	3.8	197
13	Intra-amygdaloid projections of the lateral nucleus in the cat: PHA-L anterograde labeling combined with postembedding GABA and glutamate immunocytochemistry. Journal of Comparative Neurology, 1994, 342, 232-248.	1.6	190
14	Tree species diversity increases fine root productivity through increased soil volume filling. Journal of Ecology, 2013, 101, 210-219.	4.0	175
15	The Fear Circuit Revisited: Contributions of the Basal Amygdala Nuclei to Conditioned Fear. Journal of Neuroscience, 2011, 31, 15481-15489.	3.6	172
16	Central Amygdala Activity during Fear Conditioning. Journal of Neuroscience, 2011, 31, 289-294.	3.6	166
17	Differences in fine root productivity between mixedâ€•and singleâ€•species stands. Functional Ecology, 2011, 25, 238-246.	3.6	162
18	Intra-amygdaloid projections of the basolateral and basomedial nuclei in the cat: Phaseolus vulgaris-leucoagglutinin anterograde tracing at the light and electron microscopic level. Neuroscience, 1995, 69, 567-583.	2.3	147

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19	Climateâ€induced changes in host treeâ€“insect phenology may drive ecological stateâ€shift in boreal forests. Ecology, 2015, 96, 1480-1491.	3.2	138
20	Bursting and oscillating neurons of the cat basolateral amygdaloid complex in vivo: electrophysiological properties and morphological features. Journal of Neurophysiology, 1995, 74, 1179-1191.	1.8	135
21	Distribution of GABA immunoreactivity in the amygdaloid complex of the cat. Neuroscience, 1993, 57, 1061-1076.	2.3	134
22	Impacts of clearcut harvesting and wildfire on soil nutrient status in the Quebec boreal forest. Canadian Journal of Soil Science, 2001, 81, 229-237.	1.2	126
23	Gamma Oscillations Coordinate Amygdalo-Rhinal Interactions during Learning. Journal of Neuroscience, 2007, 27, 9369-9379.	3.6	126
24	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. Canadian Journal of Forest Research, 2000, 30, 1353-1364.	1.7	123
25	Paludification and management of forested peatlands in Canada: a literature review. Environmental Reviews, 2005, 13, 21-50.	4.5	116
26	Synaptic responsiveness of interneurons of the cat lateral amygdaloid nucleus. Neuroscience, 1998, 83, 877-889.	2.3	110
27	Sapling size influences shade tolerance ranking among southern boreal tree species. Journal of Ecology, 2006, 94, 471-480.	4.0	109
28	Element export in runoff from eastern Canadian Boreal Shield drainage basins following forest harvesting and wildfires. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 118-128.	1.4	102
29	Slow and Fast (Gamma) Neuronal Oscillations in the Perirhinal Cortex and Lateral Amygdala. Journal of Neurophysiology, 2001, 85, 1661-1672.	1.8	100
30	Changes in nutrient availability and forest floor characteristics in relation to stand age and forest composition in the southern part of the boreal forest of northwestern Quebec. Forest Ecology and Management, 1995, 76, 181-189.	3.2	97
31	Similar Inhibitory Processes Dominate the Responses of Cat Lateral Amygdaloid Projection Neurons to Their Various Afferents. Journal of Neurophysiology, 1997, 77, 341-352.	1.8	97
32	Influence of Aspen on Forest Floor Properties in Black Spruce-dominated Stands. Plant and Soil, 2005, 275, 207-220.	3.7	95
33	How does a tree species influence litter decomposition? Separating the relative contribution of litter quality, litter mixing, and forest floor conditions. Canadian Journal of Forest Research, 2010, 40, 465-475.	1.7	95
34	Competition and facilitation between tree species change with stand development. Oikos, 2011, 120, 1683-1695.	2.7	94
35	Digital mapping of soil properties in Canadian managed forests at 250m of resolution using the k-nearest neighbor method. Geoderma, 2014, 235-236, 59-73.	5.1	91
36	Above-Ground Biomass Accumulation along a 230-Year Chronosequence in the Southern Portion of the Canadian Boreal Forest. Journal of Ecology, 1995, 83, 1001.	4.0	90

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37	Origin of the phosphorus deficiency observed in declining sugar maple stands in the Quebec Appalachians. Canadian Journal of Forest Research, 1989, 19, 24-34.	1.7	89
38	Testing forest ecosystem management in boreal mixedwoods of northwestern Quebec: initial response of aspen stands to different levels of harvesting. Canadian Journal of Forest Research, 2004, 34, 431-446.	1.7	85
39	How do natural disturbances and human activities affect soils and tree nutrition and growth in the Canadian boreal forest?. Environmental Reviews, 2014, 22, 161-178.	4.5	85
40	Cat intraamygdaloid inhibitory network: Ultrastructural organization of parvalbumin-immunoreactive elements. , 1998, 391, 164-179.		84
41	The effect of boreal forest composition on soil respiration is mediated through variations in soil temperature and C quality. Soil Biology and Biochemistry, 2012, 53, 18-27.	8.8	84
42	Biotic and abiotic factors affecting ectomycorrhizal diversity in boreal mixed-woods. Oikos, 2003, 102, 497-504.	2.7	82
43	GABAergic projection from the intercalated cell masses of the amygdala to the basal forebrain in cats. Journal of Comparative Neurology, 1994, 344, 33-49.	1.6	81
44	Effect of colonizing tree species on soil nutrient availability in a clay soil of the boreal mixedwood. Canadian Journal of Forest Research, 1996, 26, 1022-1031.	1.7	81
45	Harvesting Intensity at Clear-Felling in the Boreal Forest. Soil Science Society of America Journal, 2006, 70, 691-701.	2.2	81
46	Polarized Synaptic Interactions Between Intercalated Neurons of the Amygdala. Journal of Neurophysiology, 2000, 83, 3509-3518.	1.8	79
47	Response of northeastern North American forests to climate change: Will soil conditions constrain tree species migration?. Environmental Reviews, 2010, 18, 279-289.	4.5	77
48	Comparison of the understory vegetation in boreal forest types of southwest Quebec. Canadian Journal of Botany, 2001, 79, 1019-1027.	1.1	77
49	TRIAD zoning in Quebec: Experiences and results after 5 years. Forestry Chronicle, 2009, 85, 885-896.	0.6	74
50	Changes in the forest floor of Canadian southern boreal forest after disturbance. Journal of Vegetation Science, 1993, 4, 811-818.	2.2	70
51	Stability of Soil Carbon Stocks Varies with Forest Composition in the Canadian Boreal Biome. Ecosystems, 2013, 16, 852-865.	3.4	69
52	Neuronal correlates of fear conditioning in the bed nucleus of the stria terminalis. Learning and Memory, 2013, 20, 633-641.	1.3	69
53	Reciprocal Changes in the Firing Probability of Lateral and Central Medial Amygdala Neurons. Journal of Neuroscience, 1999, 19, 836-844.	3.6	66
54	Development of integrated ecological standards of sustainable forest management at an operational scale. Forestry Chronicle, 2000, 76, 481-493.	0.6	66

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55	Tree bole mineralization rates of four species of the Canadian eastern boreal forest: implications for nutrient dynamics following stand-replacing disturbances. Canadian Journal of Forest Research, 2006, 36, 2331-2340.	1.7	66
56	Production of Dissolved Organic Carbon in Canadian Forest Soils. Ecosystems, 2008, 11, 740-751.	3.4	61
57	Managing understory light conditions in boreal mixedwoods through variation in the intensity and spatial pattern of harvest: A modelling approach. Forest Ecology and Management, 2011, 261, 84-94.	3.2	61
58	Range and uncertainties in estimating delays in greenhouse gas mitigation potential of forest bioenergy sourced from Canadian forests. GCB Bioenergy, 2017, 9, 358-369.	5.6	61
59	Feedstock specific environmental risk levels related to biomass extraction for energy from boreal and temperate forests. Biomass and Bioenergy, 2013, 55, 212-226.	5.7	60
60	Natural stresses, nutrient imbalances and forest decline in southeastern Quebec. Water, Air, and Soil Pollution, 1989, 48, 239.	2.4	59
61	The responses of black spruce growth to an increased proportion of aspen in mixed stands. Canadian Journal of Forest Research, 2004, 34, 405-416.	1.7	56
62	Impact of global change and forest management on carbon sequestration in northern forested peatlands. Environmental Reviews, 2005, 13, 199-240.	4.5	56
63	Chemical composition of forest floor and consequences for nutrient availability after wildfire and harvesting in the boreal forest. Plant and Soil, 2008, 308, 37-53.	3.7	56
64	Predicting soil properties in the Canadian boreal forest with limited data: Comparison of spatial and non-spatial statistical approaches. Geoderma, 2017, 306, 195-205.	5.1	56
65	Effects of experimental liming on collembolan communities and soil microbial biomass in a southern Quebec sugar maple (Acer saccharum Marsh.) stand. Applied Soil Ecology, 2001, 17, 81-90.	4.3	55
66	Assessing the geochemical balance of managed boreal forests. Ecological Indicators, 2002, 1, 293-311.	6.3	54
67	Mixed-species effect on tree aboveground carbon pools in the east-central boreal forests. Canadian Journal of Forest Research, 2010, 40, 37-47.	1.7	53
68	Effect of forest canopy composition on soil nutrients and dynamics of the understorey: mixed canopies serve neither vascular nor bryophyte strata. Journal of Vegetation Science, 2011, 22, 1105-1119.	2.2	53
69	Soil Nutrient Dynamics after Harvesting and Slash Treatments in Boreal Aspen Stands. Soil Science Society of America Journal, 2006, 70, 1189-1199.	2.2	51
70	Recovery rate of harvest residues for bioenergy in boreal and temperate forests: A review. Wiley Interdisciplinary Reviews: Energy and Environment, 2015, 4, 429-451.	4.1	50
71	Paludification dynamics in the boreal forest of the James Bay Lowlands: effect of time since fire and topography. Canadian Journal of Forest Research, 2009, 39, 546-552.	1.7	49
72	Juvenile growth of hybrid poplars on acidic boreal soil determined by environmental effects of soil preparation, vegetation control, and fertilization. Forest Ecology and Management, 2011, 261, 620-629.	3.2	48

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73	Influence of forest composition on understory cover in boreal mixedwood forests of western Quebec. Silva Fennica, 2002, 36, .	1.3	48
74	Estimating stand-scale biomass, nutrient contents, and associated uncertainties for tree species of Canadian forests. Canadian Journal of Forest Research, 2013, 43, 599-608.	1.7	47
75	Thinking and acting differently for sustainable management of the boreal forest. Forestry Chronicle, 1999, 75, 929-938.	0.6	46
76	Productivity of black spruce and Jack pine stands in Quebec as related to climate, site biological features and soil properties. Forest Ecology and Management, 2004, 191, 239-251.	3.2	45
77	The potential of forest biomass as an energy supply for Canada. Forestry Chronicle, 2011, 87, 71-76.	0.6	45
78	Linking the abundance of aspen with soil faunal communities and rates of belowground processes within single stands of mixed aspenâ€“black spruce. Applied Soil Ecology, 2009, 41, 19-28.	4.3	44
79	Do Boreal Forests Need Fire Disturbance to Maintain Productivity?. Ecosystems, 2014, 17, 1053-1067.	3.4	44
80	Propagation of Neocortical Inputs in the Perirhinal Cortex. Journal of Neuroscience, 2001, 21, 2878-2888.	3.6	44
81	Community structures of Collembola in sugar maple forests: relations to humus type and seasonal trends. Pedobiologia, 2000, 44, 148-174.	1.2	43
82	Effect of temperature on soil organic matter decomposition in three forest biomes of eastern Canada. Canadian Journal of Soil Science, 2006, 86, 247-256.	1.2	43
83	Muscarinic Control of Long-Range GABAergic Inhibition within the Rhinal Cortices. Journal of Neuroscience, 2007, 27, 4061-4071.	3.6	43
84	Effect of companion species on the growth of jack pine (Pinusbanksiana). Canadian Journal of Forest Research, 1994, 24, 1846-1853.	1.7	41
85	Component respiration, ecosystem respiration and net primary production of a mature black spruce forest in northern Quebec. Tree Physiology, 2010, 30, 527-540.	3.1	41
86	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, 4189-4196.	5.7	41
87	Black Spruce Soils Accumulate More Uncomplexed Organic Matter than Aspen Soils. Soil Science Society of America Journal, 2011, 75, 1125-1132.	2.2	40
88	Adverse climatic periods precede and amplify defoliatorâ€induced tree mortality in eastern boreal North America. Journal of Ecology, 2019, 107, 452-467.	4.0	40
89	Linking ecophysiology and forest productivity: An overview of the ECOLEAP project. Forestry Chronicle, 1999, 75, 417-421.	0.6	39
90	The soil acidÂ–base status of boreal black spruce stands after whole-tree and stem-only harvesting. Canadian Journal of Forest Research, 2003, 33, 1874-1879.	1.7	39

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91	Sustainable biomass supply chains from salvage logging of fire-killed stands: A case study for wood pellet production in eastern Canada. Applied Energy, 2015, 154, 62-73.	10.1	39
92	Intensive biomass removals and site productivity in Canada: A review of relevant issues. Forestry Chronicle, 2010, 86, 36-42.	0.6	38
93	A Tree Species Effect on Soil That Is Consistent Across the Speciesâ€™ Range: The Case of Aspen and Soil Carbon in North America. Forests, 2017, 8, 113.	2.1	38
94	Impacts of whole-tree harvesting and winter windrowing on soil pH and base status of clayey sites of northwestern Quebec. Canadian Journal of Forest Research, 1995, 25, 997-1007.	1.7	36
95	Intrinsic circuitry of the amygdaloid complex: common principles of organization in rats and cats. Trends in Neurosciences, 1998, 21, 240-241.	8.6	36
96	Nutrient Budgets in Forests Under Increased Biomass Harvesting Scenarios. Current Forestry Reports, 2016, 2, 81-91.	7.4	36
97	Nitrogen net mineralization and dynamics following whole-tree harvesting and winter windrowing on clayey sites of northwestern Quebec. Forest Ecology and Management, 2002, 157, 119-130.	3.2	35
98	The Contrasting Effects of Aspen and Jack Pine on Soil Nutritional Properties Depend on Parent Material. Ecosystems, 2007, 10, 1299-1310.	3.4	35
99	Decomposition rates of bryophytes in managed boreal forests: influence of bryophyte species and forest harvesting. Plant and Soil, 2010, 336, 499-508.	3.7	35
100	How do forest harvesting methods compare with wildfire? A case study of soil chemistry and tree nutrition in the boreal forest. Canadian Journal of Forest Research, 2007, 37, 1658-1668.	1.7	34
101	Relationships between microsite type and the growth and nutrition of young black spruce on post-disturbed lowland black spruce sites in eastern Canada. Canadian Journal of Forest Research, 2007, 37, 62-73.	1.7	34
102	Comparison of the understory vegetation in boreal forest types of southwest Quebec. Canadian Journal of Botany, 2001, 79, 1019-1027.	1.1	33
103	Using ecosystem <scp>CO</scp>₂ measurements to estimate the timing and magnitude of greenhouse gas mitigation potential of forest bioenergy. GCB Bioenergy, 2013, 5, 67-72.	5.6	31
104	Managing Understory Vegetation for Maintaining Productivity in Black Spruce Forests: A Synthesis within a Multi-Scale Research Model. Forests, 2013, 4, 613-631.	2.1	31
105	Effect of aspen (Populus tremuloides) as a companion species on the growth of black spruce (Picea) Tj ETQq1 1 0.784314 rgBT /Over 211-222.	3.2	30
106	Contrasting effects of season and method of harvest on soil properties and the growth of black spruce regeneration in the boreal forested peatlands of eastern Canada. Silva Fennica, 2010, 44, .	1.3	29
107	Comparison of soil properties of native forests, Pinus patula plantations and adjacent pastures in the Andean highlands of southern Ecuador: land use history or recent vegetation effects?. Soil Use and Management, 2009, 25, 427-433.	4.9	28
108	The influence of boreal tree species mixtures on ecosystem carbon storage and fluxes. Forest Ecology and Management, 2015, 354, 119-129.	3.2	28

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109	Mechanisms underlying the formation of the amygdalar fear memory trace: A computational perspective. Neuroscience, 2016, 322, 370-376.	2.3	28
110	Drivers of postfire soil organic carbon accumulation in the boreal forest. Global Change Biology, 2018, 24, 4797-4815.	9.5	28
111	Spontaneous and evoked activity of intercalated amygdala neurons. European Journal of Neuroscience, 1999, 11, 3441-3448.	2.6	27
112	Potential productivity of aspen cohorts originating from fire, harvesting, and tree-fall gaps on two deposit types in northwestern Quebec. Canadian Journal of Forest Research, 2001, 31, 1067-1073.	1.7	27
113	Is the use of trees with superior growth a threat to soil nutrient availability? A case study with Norway spruce. Canadian Journal of Forest Research, 2004, 34, 560-572.	1.7	27
114	Initial responses of rove and ground beetles (Coleoptera, Staphylinidae, Carabidae) to removal of logging residues following clearcut harvesting in the boreal forest of Quebec, Canada. ZooKeys, 2013, 258, 31-52.	1.1	27
115	Soil oxygen within boreal forests across an age gradient. Canadian Journal of Soil Science, 2006, 86, 1-9.	1.2	26
116	Predicting productivity of trembling aspen in the Boreal Shield ecozone of Quebec using different sources of soil and site information. Forest Ecology and Management, 2009, 257, 782-789.	3.2	26
117	Amounts of logging residues affect planting microsites: A manipulative study across northern forest ecosystems. Forest Ecology and Management, 2014, 312, 203-215.	3.2	26
118	Modeling Insect Disturbance Across Forested Landscapes: Insights from the Spruce Budworm. , 2015, , 93-134.		26
119	Soil nutrient availability and relationships with aboveground biomass production on postharvested upland white spruce sites in interior Alaska. Canadian Journal of Forest Research, 1993, 23, 1223-1232.	1.7	25
120	Developing and validating indicators of site suitability for forest harvesting residue removal. Ecological Indicators, 2014, 43, 1-18.	6.3	25
121	Nine-year changes in carbon dynamics following different intensities of harvesting in boreal aspen stands. European Journal of Forest Research, 2015, 134, 737-754.	2.5	25
122	Synaptic competition in the lateral amygdala and the stimulus specificity of conditioned fear: a biophysical modeling study. Brain Structure and Function, 2016, 221, 2163-2182.	2.3	24
123	Soil parent material may control forest floor properties more than stand type or stand age in mixedwood boreal forests. Ecoscience, 2004, 11, 228-237.	1.4	23
124	Small gap dynamics in the southern boreal forest of eastern Canada: Do canopy gaps influence stand development?. Journal of Vegetation Science, 2007, 18, 815-826.	2.2	23
125	Micro-variations in yellow birch (Betula alleghaniensis) growth conditions after patch scarification. Forest Ecology and Management, 2007, 238, 244-248.	3.2	22
126	Growth and nutrition of black spruce seedlings in response to disruption of Pleurozium and Sphagnum moss carpets in boreal forested peatlands. Plant and Soil, 2011, 345, 141-153.	3.7	22

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127	Combined influence of fire and salvage logging on carbon and nitrogen storage in boreal forest soil profiles. Forest Ecology and Management, 2014, 326, 133-141.	3.2	22
128	Estimating the spatial distribution and locating hotspots of forest biomass from harvest residues and fire-damaged stands in Canada's managed forests. Biomass and Bioenergy, 2017, 97, 90-99.	5.7	22
129	Relationships between soil chemistry, microbial biomass and the collembolan fauna of southern QuÃ©bec sugar maple stands. Ecoscience, 2000, 7, 307-316.	1.4	21
130	Estimating forest vulnerability to the next spruce budworm outbreak: will past silvicultural efforts pay dividends?. Canadian Journal of Forest Research, 2015, 45, 314-324.	1.7	21
131	Dynamics of detrital carbon pools following harvesting of a humid eastern Canadian balsam fir boreal forest. Forest Ecology and Management, 2018, 430, 33-42.	3.2	21
132	Spatial pattern in the organic layer and tree growth: A case study from regenerating Picea mariana stands prone to paludification. Journal of Vegetation Science, 2007, 18, 213-222.	2.2	20
133	Ground-layer composition affects tree fine root biomass and soil nutrient availability in jack pine and black spruce forests under extreme drainage conditions. Canadian Journal of Forest Research, 2017, 47, 433-444.	1.7	20
134	Development of an improved model estimating the nutrient content of the bole for four boreal tree species. Canadian Journal of Forest Research, 1998, 28, 37-43.	1.7	19
135	Molecular and microscopic analysis of the gut contents of abundant rove beetle species (Coleoptera,ÂStaphylinidae) in the boreal balsam fir forest of Quebec,ÂCanada. ZooKeys, 2013, 353, 1-24.	1.1	19
136	Ecosystem management in paludified boreal forests: enhancing wood production, biodiversity, and carbon sequestration at the landscape level. Forest Ecosystems, 2018, 5, .	3.1	19
137	Root production of hybrid poplars and nitrogen mineralization improve following mounding of boreal Podzols. Canadian Journal of Forest Research, 2013, 43, 1092-1103.	1.7	18
138	Interâ€laboratory variation in the chemical analysis of acidic forest soil reference samples from eastern North America. Ecosphere, 2015, 6, 1-22.	2.2	18
139	Phosphate-solubilizing bacteria isolated from ectomycorrhizal mycelium ofPicea glaucaare highly efficient at fluorapatite weathering. Botany, 2016, 94, 1183-1193.	1.0	18
140	Altered responsiveness of BNST and amygdala neurons in trauma-induced anxiety. Translational Psychiatry, 2016, 6, e857-e857.	4.8	18
141	Do harvest methods and soil type impact the regeneration and growth of black spruce stands in northwestern Quebec?. Canadian Journal of Forest Research, 2010, 40, 1843-1851.	1.7	17
142	Cover density recovery after fire disturbance controls landscape aboveground biomass carbon in the boreal forest of eastern Canada. Forest Ecology and Management, 2016, 360, 170-180.	3.2	17
143	Moving beyond the concept of â€œprimary forestâ€•as a metric of forest environment quality. Ecological Applications, 2017, 27, 349-354.	3.8	16
144	The paradox of defoliation: Declining tree water status with increasing soil water content. Agricultural and Forest Meteorology, 2020, 290, 108025.	4.8	16

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145	Soil Carbon Stocks and Carbon Stability in a Twentyâ€Yearâ€Old Temperate Plantation. Soil Science Society of America Journal, 2010, 74, 1775-1785.	2.2	14
146	Effects of hog manure application on the nutrition and growth of hybrid poplar (Populus spp.) and on soil solution chemistry in short-rotation woody crops. Agriculture, Ecosystems and Environment, 2012, 155, 95-104.	5.3	14
147	Influence of afforestation on soil: The case of mineral weathering. Geoderma, 2013, 202-203, 18-29.	5.1	14
148	The Role of Aggregated Forest Harvest Residue in Soil Fertility, Plant Growth, and Pollination Services. Soil Science Society of America Journal, 2014, 78, S196.	2.2	14
149	Boreal coniferous forest density leads to significant variations in soil physical and geochemical properties. Biogeosciences, 2017, 14, 3445-3459.	3.3	14
150	Growth of planted black spruce seedlings following mechanical site preparation in boreal forested peatlands with variable organic layer thickness: 5-year results. Annals of Forest Science, 2011, 68, 1291-1302.	2.0	13
151	Forecasting the spatial distribution of logging residues across the Canadian managed forest. Canadian Journal of Forest Research, 2018, 48, 1470-1481.	1.7	13
152	Quality of growth substrates of post-disturbed lowland black spruce sites for black spruce (Picea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	12
153	Differential effects of feather and Sphagnum spp. mosses on black spruce germination and growth. Forest Ecology and Management, 2018, 415-416, 10-18.	3.2	12
154	Salvage harvesting for bioenergy in Canada: From sustainable and integrated supply chain to climate change mitigation. Wiley Interdisciplinary Reviews: Energy and Environment, 2018, 7, e298.	4.1	11
155	From conventional to renewable natural gas: can we expect GHG savings in the near term?. Biomass and Bioenergy, 2019, 131, 105396.	5.7	11
156	Soil Carbon Stocks and Soil Carbon Quality in the Upland Portion of a Boreal Landscape, James Bay, Quebec. Ecosystems, 2011, 14, 533-546.	3.4	10
157	Regression equations for estimating throughfall nutrient fluxes using wet deposition data and their applicability for simulating the soil acidâ€“base status using the dynamic forest soilâ€“atmosphere model SAFE. Ecological Modelling, 2004, 175, 151-167.	2.5	9
158	Assessing forest soil base cation status and availability using lake and stream sediment geochemistry: A case study in Quebec (Canada). Geoderma, 2013, 211-212, 39-50.	5.1	9
159	Silviculture to sustain productivity in black spruce paludified forests. Forest Ecology and Management, 2016, 375, 172-181.	3.2	9
160	Effect of harvest gap formation and thinning on soil nitrogen cycling at the borealâ€“temperate interface. Canadian Journal of Forest Research, 2017, 47, 308-318.	1.7	9
161	Ground-Layer Composition May Limit the Positive Impact of Precommercial Thinning on Boreal Stand Productivity. Forest Science, 2017, 63, 559-568.	1.0	9
162	Influence of shifts over an 80-year period in forest composition on soil properties. Plant and Soil, 2018, 433, 111-125.	3.7	9

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163	Influence of fire and harvest severity on understory plant communities. Forest Ecology and Management, 2019, 436, 88-104.	3.2	9
164	Boreal-forest soil chemistry drives soil organic carbon bioreactivity along a 314-year fire chronosequence. Soil, 2020, 6, 195-213.	4.9	9
165	Paludification of boreal soils reduces wood decomposition rates and increases woodâ€based carbon storage. Ecosphere, 2015, 6, 1-20.	2.2	8
166	Disentangling Effects of Time Since Fire, Overstory Composition and Organic Layer Thickness on Nutrient Availability in Canadian Boreal Forest. Ecosystems, 2019, 22, 33-48.	3.4	8
167	Drivers of Boreal Tree Growth and Stand Opening: The Case of Jack Pine on Sandy Soils. Ecosystems, 2020, 23, 586-601.	3.4	8
168	Nitrogen isotopes in the soil-to-tree continuum â€" Tree rings express the soil biogeochemistry of boreal forests exposed to moderate airborne emissions. Science of the Total Environment, 2021, 780, 146581.	8.0	8
169	Determination of exchangeable hydrogen ions in boreal shield soils of Quebec. Canadian Journal of Soil Science, 2006, 86, 513-521.	1.2	7
170	Decomposition Patterns of Foliar Litter and Deadwood in Managed and Unmanaged Stands: A 13-Year Experiment in Boreal Mixedwoods. Ecosystems, 2018, 21, 68-84.	3.4	7
171	Spatial pattern in the organic layer and tree growth: A case study from regenerating Picea mariana stands prone to paludification. Journal of Vegetation Science, 2007, 18, 213.	2.2	7
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