

Daniel Gagnon

List of Publications by Year in descending order

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71
papers

2,317
citations

218677

26
h-index

223800

46
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73
all docs

73
docs citations

73
times ranked

2359
citing authors

#	ARTICLE	IF	CITATIONS
1	Thinning and Gap Harvest Effects on Soil, Tree and Stand Characteristics in Hybrid Poplar Bioenergy Buffers on Farmland. <i>Forests</i> , 2022, 13, 194.	2.1	2
2	Using imagery from unmanned aerial vehicles to investigate variation in snag frequency among forest stands. <i>Forest Ecology and Management</i> , 2022, 511, 120138.	3.2	2
3	Long-term effects of white-tailed deer overabundance, hybrid poplar genotype and planting stock type on tree growth and ecosystem services provision in bioenergy buffers. <i>Forest Ecology and Management</i> , 2021, 480, 118673.	3.2	3
4	Natural Drying and Chemical Characteristics of Hybrid Poplar Firewood Produced from Agricultural Bioenergy Buffers in Southern Qu�bec, Canada. <i>Forests</i> , 2021, 12, 122.	2.1	2
5	Boreal conifer seedling responses to experimental competition removal during summer drought. <i>Ecosphere</i> , 2021, 12, e03391.	2.2	3
6	Plant communities on nitrogen-rich soil are less sensitive to soil moisture than plant communities on nitrogen-poor soil. <i>Journal of Ecology</i> , 2020, 108, 133-144.	4.0	20
7	Soil nutrient availability and microclimate are influenced more by genotype than by planting stock type in hybrid poplar bioenergy buffers on farmland. <i>Ecological Engineering</i> , 2020, 157, 105995.	3.6	3
8	Trading tree growth for soil degradation: Effects at 10 years of black plastic mulch on fine roots, earthworms, organic matter and nitrate in a multi-species riparian buffer. <i>Trees, Forests and People</i> , 2020, 2, 100032.	1.9	4
9	Abiotic and biotic factors controlling fine root biomass, carbon and nutrients in closed-canopy hybrid poplar stands on post-agricultural land. <i>Scientific Reports</i> , 2019, 9, 6296.	3.3	24
10	Planting Density and Site Effects on Stem Dimensions, Stand Productivity, Biomass Partitioning, Carbon Stocks and Soil Nutrient Supply in Hybrid Poplar Plantations. <i>Forests</i> , 2018, 9, 293.	2.1	26
11	Ecological Factors Affecting White Pine, Red Oak, Bitternut Hickory and Black Walnut Underplanting Success in a Northern Temperate Post-Agricultural Forest. <i>Forests</i> , 2018, 9, 499.	2.1	12
12	Black Plastic Mulch or Herbicide to Accelerate Bur Oak, Black Walnut, and White Pine Growth in Agricultural Riparian Buffers?. <i>Forests</i> , 2018, 9, 258.	2.1	4
13	Riparian buffer growth and soil nitrate supply are affected by tree species selection and black plastic mulching. <i>Ecological Engineering</i> , 2017, 106, 82-93.	3.6	10
14	Linking Biomass Productivity to Genotype-Specific Nutrient Cycling Strategies in Mature Hybrid Poplars Planted Along an Environmental Gradient. <i>Bioenergy Research</i> , 2017, 10, 876-890.	3.9	8
15	Exotic Invasive Shrub Glossy Buckthorn Reduces Restoration Potential for Native Forest Herbs. <i>Sustainability</i> , 2017, 9, 249.	3.2	6
16	Allometric Equations for Estimating Compartment Biomass and Stem Volume in Mature Hybrid Poplars: General or Site-Specific?. <i>Forests</i> , 2017, 8, 309.	2.1	26
17	Potential for Hybrid Poplar Riparian Buffers to Provide Ecosystem Services in Three Watersheds with Contrasting Agricultural Land Use. <i>Forests</i> , 2016, 7, 37.	2.1	24
18	Invasive glossy buckthorn impedes growth of red oak and sugar maple under-planted in a mature hybrid poplar plantation. <i>New Forests</i> , 2016, 47, 897-911.	1.7	11

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19	Trends in ecological research: reflecting on 21 years of <i>Écoscience</i> . <i>Écoscience</i> , 2015, 22, 1-5.	1.4	4
20	Aboveground Biomass of Glossy Buckthorn is Similar in Open and Understory Environments but Architectural Strategy Differs. <i>Forests</i> , 2015, 6, 1083-1093.	2.1	14
21	Multiple-Use Zoning Model for Private Forest Owners in Agricultural Landscapes: A Case Study. <i>Forests</i> , 2015, 6, 3614-3664.	2.1	17
22	Plastic Allometry in Coarse Root Biomass of Mature Hybrid Poplar Plantations. <i>Bioenergy Research</i> , 2015, 8, 1691-1704.	3.9	23
23	Biomass carbon, nitrogen and phosphorus stocks in hybrid poplar buffers, herbaceous buffers and natural woodlots in the riparian zone on agricultural land. <i>Journal of Environmental Management</i> , 2015, 154, 333-345.	7.8	47
24	Biomass and Volume Yield in Mature Hybrid Poplar Plantations on Temperate Abandoned Farmland. <i>Forests</i> , 2014, 5, 3107-3130.	2.1	53
25	Root biomass and soil carbon distribution in hybrid poplar riparian buffers, herbaceous riparian buffers and natural riparian woodlots on farmland. <i>SpringerPlus</i> , 2013, 2, 539.	1.2	23
26	Hybrid poplar plantations are suitable habitat for reintroduced forest herbs with conservation status. <i>SpringerPlus</i> , 2013, 2, 507.	1.2	16
27	Can hybrid poplar plantations accelerate the restoration of forest understory attributes on abandoned fields?. <i>Forest Ecology and Management</i> , 2013, 287, 77-89.	3.2	50
28	Mature Hybrid Poplar Riparian Buffers along Farm Streams Produce High Yields in Response to Soil Fertility Assessed Using Three Methods. <i>Sustainability</i> , 2013, 5, 1893-1916.	3.2	23
29	Yield in 8 year-old hybrid poplar plantations on abandoned farmland along climatic and soil fertility gradients. <i>Forest Ecology and Management</i> , 2012, 267, 228-239.	3.2	77
30	Hybrid poplar yields in Québec: Implications for a sustainable forest zoning management system. <i>Forestry Chronicle</i> , 2012, 88, 391-407.	0.6	15
31	Clone-Specific Response in Leaf Nitrate Reductase Activity among Unrelated Hybrid Poplars in relation to Soil Nitrate Availability. <i>International Journal of Forestry Research</i> , 2012, 2012, 1-10.	0.8	1
32	Understory plant diversity and biomass in hybrid poplar riparian buffer strips in pastures. <i>New Forests</i> , 2011, 42, 241-265.	1.7	32
33	Bat distribution and activity in Montréal Island green spaces: Responses to multi-scale habitat effects in a densely urbanized area. <i>Écoscience</i> , 2011, 18, 9-17.	1.4	23
34	Nutrient accumulation and carbon sequestration in 6-year-old hybrid poplars in multiclonal agricultural riparian buffer strips. <i>Agriculture, Ecosystems and Environment</i> , 2010, 137, 276-287.	5.3	71
35	Biomass and volume yield after 6 years in multiclonal hybrid poplar riparian buffer strips. <i>Biomass and Bioenergy</i> , 2010, 34, 1028-1040.	5.7	102
36	A shade tolerance index for common understory species of northeastern North America. <i>Ecological Indicators</i> , 2007, 7, 195-207.	6.3	88

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37	The Contrasting Effects of Aspen and Jack Pine on Soil Nutritional Properties Depend on Parent Material. <i>Ecosystems</i> , 2007, 10, 1299-1310.	3.4	35
38	Why are ferns regularly over-represented on state and provincial rare plant lists?. <i>Diversity and Distributions</i> , 2006, 12, 749-755.	4.1	8
39	Why are ferns regularly over-represented on state and provincial rare plant lists?. <i>Diversity and Distributions</i> , 2006, .	4.1	0
40	Does lack of available suitable habitat explain the patchy distributions of rare calcicole fern species?. <i>Ecography</i> , 2005, 28, 191-196.	4.5	27
41	Phytochemistry of Wild Populations of <i>Panax quinquefolius</i> L. (North American Ginseng). <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 4549-4553.	5.2	117
42	Improving hardwood afforestation success: an analysis of the effects of soil properties in southwestern Quebec. <i>Forest Ecology and Management</i> , 2003, 177, 347-359.	3.2	22
43	Light requirements of seedlings: a method for selecting tropical trees for plantation forestry. <i>Basic and Applied Ecology</i> , 2002, 3, 209-220.	2.7	19
44	Herbicide-free plantations of oaks and ashes along a gradient of open to forested mesic environments. <i>Forest Ecology and Management</i> , 2000, 137, 155-169.	3.2	40
45	Variability in the dynamics of northern peripheral versus southern populations of two clonal plant species, <i>Helianthus divaricatus</i> and <i>Rhus aromatica</i> . <i>Journal of Ecology</i> , 1999, 87, 748-760.	4.0	75
46	Title is missing!. <i>Plant and Soil</i> , 1999, 208, 135-147.	3.7	5
47	Early survival, growth and foliar nutrients in native Ecuadorian trees planted on degraded volcanic soil. <i>Forest Ecology and Management</i> , 1998, 105, 1-19.	3.2	30
48	Tree productivity and successional status in Québec northern hardwoods. <i>Ecoscience</i> , 1998, 5, 222-231.	1.4	20
49	Experimental determination of soil characteristics optimal for the growth of ten hardwoods planted on abandoned farmland. <i>Forest Ecology and Management</i> , 1997, 96, 49-63.	3.2	45
50	Population Viability Analysis of American Ginseng and Wild Leek Harvested in Stochastic Environments. <i>Conservation Biology</i> , 1996, 10, 608-621.	4.7	155
51	Nitrate reductase and glutamine synthetase activities in relation to growth and nitrogen assimilation in red oak and red ash seedlings: effects of N-forms, N concentration and light intensity. <i>Trees - Structure and Function</i> , 1994, 9, 12.	1.9	31
52	Survival and growth of <i>Allium tricoccum</i> AIT. Transplants in different habitats. <i>Biological Conservation</i> , 1994, 68, 107-114.	4.1	23
53	Growth and N nutrition, monitored by enzyme assays, in a hardwood plantation: effects of mulching materials and glyphosate application. <i>Forest Ecology and Management</i> , 1994, 70, 231-244.	3.2	13
54	Nitrate reductase activity in relation to growth and soil N forms in red oak and red ash planted in three different environments: forest, clear-cut and field. <i>Forest Ecology and Management</i> , 1994, 64, 71-82.	3.2	22

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55	Nitrate assimilation of raspberry and pin cherry in a recent clearcut. Canadian Journal of Botany, 1994, 72, 1343-1348.	1.1	25
56	Changes in the understory of Canadian southern boreal forest after fire. Journal of Vegetation Science, 1993, 4, 803-810.	2.2	142
57	Ramet Demography of Allium Tricoccum, A Spring Ephemeral, Perennial Forest Herb. Journal of Ecology, 1993, 81, 101.	4.0	124
58	Effects of straw and black plastic mulching on the initial growth and nutrition of butternut, white ash and bur oak. Forest Ecology and Management, 1993, 57, 17-27.	3.2	52
59	Effet des sites et des traitements sylvicoles sur la croissance, l'allocation en biomasse et l'utilisation de l'azote de semis de quatre espèces feuillues en plantations dans le sud-ouest du Québec. Canadian Journal of Forest Research, 1993, 23, 199-209.	1.7	24
60	Dynamic polarization coupling in elliptical-core photosensitive optical fiber. Optics Letters, 1992, 17, 1664.	3.3	18
61	The Demography of Northern Populations of Panax Quinquefolium (American Ginseng). Journal of Ecology, 1991, 79, 431.	4.0	107
62	Permanent photoinduced birefringence in a Ge-doped fiber. Applied Physics Letters, 1991, 58, 1813-1815.	3.3	49
63	Isoenzymatic variability among populations and varieties of wild leek (Allium tricoccum). Biochemical Systematics and Ecology, 1990, 18, 321-324.	1.3	11
64	La végétation des contreforts des Laurentides : une analyse des gradients écologiques et du niveau successional des communautés. Canadian Journal of Botany, 1990, 68, 391-401.	1.1	18
65	Response of seven hardwood tree species to herbicide, rototilling, and legume cover at two southern Quebec plantation sites. Canadian Journal of Forest Research, 1990, 20, 1172-1182.	1.7	45
66	HABITAT OF A NEW MYMAROMMATIDAE FOUND IN SOUTHERN QUEBEC, CANADA (HYMENOPTERA: Tj ETQqO 0 0.rgBT /Overlock 10 T	0.8	5
67	La végétation forestière du secteur nord-ouest de la vallée du Saint-Laurent, Québec. Canadian Journal of Botany, 1988, 66, 793-804.	1.1	12
68	Seasonal Biomass and Nutrient Allocation patterns in Wild Leek (Allium tricoccum Ait.), a Spring Geophyte. Bulletin of the Torrey Botanical Club, 1988, 115, 45.	0.6	36
69	Age structure of red pine (Pinusresinosa Ait.) at its northern limit in Quebec. Canadian Journal of Forest Research, 1987, 17, 129-137.	1.7	54
70	Some Aspects of the Pollination Ecology of Wild Leek, Allium tricoccum Ait.. Plant Species Biology, 1987, 2, 127-132.	1.0	4
71	La végétation de l'escarpement d'Eardley, parc de la Gatineau, Québec. Canadian Journal of Botany, 1981, 59, 2667-2691.	1.1	23