

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
g-index

73
all docs

73
docs citations

73
times ranked

2359
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Population Viability Analysis of American Ginseng and Wild Leek Harvested in Stochastic Environments. <i>Conservation Biology</i> , 1996, 10, 608-621. | 4.7 | 155 |
| 2 | Changes in the understory of Canadian southern boreal forest after fire. <i>Journal of Vegetation Science</i> , 1993, 4, 803-810. | 2.2 | 142 |
| 3 | Ramet Demography of <i>Allium Tricoccum</i> , A Spring Ephemeral, Perennial Forest Herb. <i>Journal of Ecology</i> , 1993, 81, 101. | 4.0 | 124 |
| 4 | 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 |
| 5 | The Demography of Northern Populations of <i>Panax Quinquefolium</i> (American Ginseng). <i>Journal of Ecology</i> , 1991, 79, 431. | 4.0 | 107 |
| 6 | 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 |
| 7 | A shade tolerance index for common understory species of northeastern North America. <i>Ecological Indicators</i> , 2007, 7, 195-207. | 6.3 | 88 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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. | 1.7 | 54 |
| 12 | Biomass and Volume Yield in Mature Hybrid Poplar Plantations on Temperate Abandoned Farmland. <i>Forests</i> , 2014, 5, 3107-3130. | 2.1 | 53 |
| 13 | Effects of straw and black plastic mulching on the initial growth and nutrition of butternut, white ash and bur oak. <i>Forest Ecology and Management</i> , 1993, 57, 17-27. | 3.2 | 52 |
| 14 | 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 |
| 15 | Permanent photoinduced birefringence in a Ge-doped fiber. <i>Applied Physics Letters</i> , 1991, 58, 1813-1815. | 3.3 | 49 |
| 16 | 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 |
| 17 | Response of seven hardwood tree species to herbicide, rototilling, and legume cover at two southern Quebec plantation sites. <i>Canadian Journal of Forest Research</i> , 1990, 20, 1172-1182. | 1.7 | 45 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | Seasonal Biomass and Nutrient Allocation patterns in Wild Leek (<i>Allium tricoccum</i> Ait.), a Spring Geophyte. <i>Bulletin of the Torrey Botanical Club</i> , 1988, 115, 45. | 0.6 | 36 |
| 21 | 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 |
| 22 | Understory plant diversity and biomass in hybrid poplar riparian buffer strips in pastures. <i>New Forests</i> , 2011, 42, 241-265. | 1.7 | 32 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Nitrate assimilation of raspberry and pin cherry in a recent clearcut. <i>Canadian Journal of Botany</i> , 1994, 72, 1343-1348. | 1.1 | 25 |
| 29 | 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. <i>Canadian Journal of Forest Research</i> , 1993, 23, 199-209. | 1.7 | 24 |
| 30 | 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 |
| 31 | 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 |
| 32 | La végétation de l'escarpement d'Eardley, parc de la Gatineau, Québec. <i>Canadian Journal of Botany</i> , 1981, 59, 2667-2691. | 1.1 | 23 |
| 33 | Survival and growth of <i>Allium tricoccum</i> AIT. Transplants in different habitats. <i>Biological Conservation</i> , 1994, 68, 107-114. | 4.1 | 23 |
| 34 | Bat distribution and activity in Montréal Island green spaces: Responses to multi-scale habitat effects in a densely urbanized area. <i>Ecoscience</i> , 2011, 18, 9-17. | 1.4 | 23 |
| 35 | 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 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | Plastic Allometry in Coarse Root Biomass of Mature Hybrid Poplar Plantations. <i>Bioenergy Research</i> , 2015, 8, 1691-1704. | 3.9 | 23 |
| 38 | 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 |
| 39 | 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 |
| 40 | Tree productivity and successional status in QuÃ©bec northern hardwoods. <i>Ecoscience</i> , 1998, 5, 222-231. | 1.4 | 20 |
| 41 | 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 |
| 42 | 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 |
| 43 | La vÃ©gÃ©tation des contreforts des Laurentides : une analyse des gradients Ã©cologiques et du niveau successional des communautÃ©s. <i>Canadian Journal of Botany</i> , 1990, 68, 391-401. | 1.1 | 18 |
| 44 | Dynamic polarization coupling in elliptical-core photosensitive optical fiber. <i>Optics Letters</i> , 1992, 17, 1664. | 3.3 | 18 |
| 45 | Multiple-Use Zoning Model for Private Forest Owners in Agricultural Landscapes: A Case Study. <i>Forests</i> , 2015, 6, 3614-3664. | 2.1 | 17 |
| 46 | Hybrid poplar plantations are suitable habitat for reintroduced forest herbs with conservation status. <i>SpringerPlus</i> , 2013, 2, 507. | 1.2 | 16 |
| 47 | Hybrid poplar yields in QuÃ©bec: Implications for a sustainable forest zoning management system. <i>Forestry Chronicle</i> , 2012, 88, 391-407. | 0.6 | 15 |
| 48 | 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 |
| 49 | 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 |
| 50 | La vÃ©gÃ©tation forestiÃ©re du secteur nord-ouest de la vallÃ©e du Saint-Laurent, QuÃ©bec. <i>Canadian Journal of Botany</i> , 1988, 66, 793-804. | 1.1 | 12 |
| 51 | 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 |
| 52 | Isoenzymatic variability among populations and varieties of wild leek (<i>Allium tricoccum</i>). <i>Biochemical Systematics and Ecology</i> , 1990, 18, 321-324. | 1.3 | 11 |
| 53 | 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 |
| 54 | 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 |

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|----|--|-----|-----------|
| 55 | Why are ferns regularly over-represented on state and provincial rare plant lists?. Diversity and Distributions, 2006, 12, 749-755. | 4.1 | 8 |
| 56 | Linking Biomass Productivity to Genotype-Specific Nutrient Cycling Strategies in Mature Hybrid Poplars Planted Along an Environmental Gradient. Bioenergy Research, 2017, 10, 876-890. | 3.9 | 8 |
| 57 | Exotic Invasive Shrub Glossy Buckthorn Reduces Restoration Potential for Native Forest Herbs. Sustainability, 2017, 9, 249. | 3.2 | 6 |
| 58 | HABITAT OF A NEW MYMAROMMATIDAE FOUND IN SOUTHERN QUEBEC, CANADA (HYMENOPTERA: Tj ETQq0 0 0rgBT /Overlock 10 T | 0.8 | 5 |
| 59 | Title is missing!. Plant and Soil, 1999, 208, 135-147. | 3.7 | 5 |
| 60 | Some Aspects of the Pollination Ecology of Wild Leek, Allium tricoccum Ait.. Plant Species Biology, 1987, 2, 127-132. | 1.0 | 4 |
| 61 | Trends in ecological research: reflecting on 21 years ofÃ%oscience. Ecoscience, 2015, 22, 1-5. | 1.4 | 4 |
| 62 | Black Plastic Mulch or Herbicide to Accelerate Bur Oak, Black Walnut, and White Pine Growth in Agricultural Riparian Buffers?. Forests, 2018, 9, 258. | 2.1 | 4 |
| 63 | 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. Trees, Forests and People, 2020, 2, 100032. | 1.9 | 4 |
| 64 | Soil nutrient availability and microclimate are influenced more by genotype than by planting stock type in hybrid poplar bioenergy buffers on farmland. Ecological Engineering, 2020, 157, 105995. | 3.6 | 3 |
| 65 | 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. Forest Ecology and Management, 2021, 480, 118673. | 3.2 | 3 |
| 66 | Boreal conifer seedling responses to experimental competition removal during summer drought. Ecosphere, 2021, 12, e03391. | 2.2 | 3 |
| 67 | Natural Drying and Chemical Characteristics of Hybrid Poplar Firewood Produced from Agricultural Bioenergy Buffers in Southern QuÃ©bec, Canada. Forests, 2021, 12, 122. | 2.1 | 2 |
| 68 | Thinning and Gap Harvest Effects on Soil, Tree and Stand Characteristics in Hybrid Poplar Bioenergy Buffers on Farmland. Forests, 2022, 13, 194. | 2.1 | 2 |
| 69 | Using imagery from unmanned aerial vehicles to investigate variation in snag frequency among forest stands. Forest Ecology and Management, 2022, 511, 120138. | 3.2 | 2 |
| 70 | Clone-Specific Response in Leaf Nitrate Reductase Activity among Unrelated Hybrid Poplars in relation to Soil Nitrate Availability. International Journal of Forestry Research, 2012, 2012, 1-10. | 0.8 | 1 |
| 71 | Why are ferns regularly over-represented on state and provincial rare plant lists?. Diversity and Distributions, 2006, . | 4.1 | 0 |