

Marcel PrÃ©vost

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,321
citations

331670

21
h-index

377865

34
g-index

51
all docs

51
docs citations

51
times ranked

956
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial cuts in a trembling aspen – conifer stand: effects on microenvironmental conditions and regeneration dynamics. <i>Canadian Journal of Forest Research</i> , 2003, 33, 1-15.	1.7	102
2	Effects of drainage of a forested peatland on water quality and quantity. <i>Journal of Hydrology</i> , 1999, 214, 130-143.	5.4	94
3	Rainfall generated stormflow response to clearcutting a boreal forest: peak flow comparison with 50 world-wide basin studies. <i>Journal of Hydrology</i> , 2005, 302, 137-153.	5.4	72
4	Natural canopy gap disturbances and their role in maintaining mixed-species forests of central Quebec, Canada This article is one of a selection of papers published in the Special Forum IUFRO 1.05 Uneven-Aged Silvicultural Research Group Conference on Natural Disturbance-Based Silviculture: Managing for Complexity.. <i>Canadian Journal of Forest Research</i> , 2007, 37, 1534-1544.	1.7	64
5	Predicting Soil Properties from Organic Matter Content following Mechanical Site Preparation of Forest Soils. <i>Soil Science Society of America Journal</i> , 2004, 68, 943-949.	2.2	62
6	Regeneration dynamics after patch cutting and scarification in yellow birch – conifer stands. <i>Canadian Journal of Forest Research</i> , 2010, 40, 357-369.	1.7	61
7	Effect of gap size, aspect and slope on available light and soil temperature after patch-selection cutting in yellow birch – conifer stands, Quebec, Canada. <i>Forest Ecology and Management</i> , 2012, 274, 210-221.	3.2	59
8	Management for red spruce conservation in Québec: The importance of some physiological and ecological characteristics – A review. <i>Forestry Chronicle</i> , 2007, 83, 378-391.	0.6	54
9	Substrate conditions in a treed peatland: Responses to drainage. <i>Ecoscience</i> , 1997, 4, 543-554.	1.4	48
10	Using the shelterwood method to mitigate water table rise after forest harvesting. <i>Forest Ecology and Management</i> , 2003, 179, 573-583.	3.2	48
11	Effects of scarification on seedbed coverage and natural regeneration after a group seed-tree cutting in a black spruce (<i>Picea mariana</i>) stand. <i>Forest Ecology and Management</i> , 1997, 94, 219-231.	3.2	43
12	Effets du scarifiage sur les propriétés du sol et l'ensemencement naturel dans une pessière noire à mousses de la forêt boréale québécoise. <i>Canadian Journal of Forest Research</i> , 1996, 26, 72-86.	1.7	36
13	Effect of cutting intensity on microenvironmental conditions and regeneration dynamics in yellow birch – conifer stands. <i>Canadian Journal of Forest Research</i> , 2008, 38, 317-330.	1.7	35
14	Croissance et statut nutritif de marcottes, de semis naturels et de plants d'épinette noire à la suite du scarifiage : résultats de 10 ans. <i>Canadian Journal of Forest Research</i> , 2003, 33, 2097-2107.	1.7	34
15	Assessing the single-tree and small group selection cutting system as intermediate disturbance to promote regeneration and diversity in temperate mixedwood stands. <i>Forest Ecology and Management</i> , 2018, 430, 21-32.	3.2	34
16	Photosynthetic light response and growth analysis of competitive regeneration after partial cutting in a boreal mixed stand. <i>Trees - Structure and Function</i> , 2002, 16, 365-373.	1.9	32
17	Application of a snow cover energy and mass balance model in a balsam fir forest. <i>Water Resources Research</i> , 1990, 26, 1079-1092.	4.2	31
18	Physiology and growth of advance <i>Picea rubens</i> and <i>Abies balsamea</i> regeneration following different canopy openings. <i>Tree Physiology</i> , 2014, 34, 194-204.	3.1	31

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19	Ecophysiology and growth of advance red spruce and balsam fir regeneration after partial cutting in yellow birch-conifer stands. <i>Tree Physiology</i> , 2008, 28, 1221-1229.	3.1	28
20	Changes in stream water quality due to logging of the boreal forest in the Montmorency Forest, QuÄ©bec. <i>Hydrological Processes</i> , 2009, 23, 764-776.	2.6	28
21	Can the impact of deer browsing on tree regeneration be mitigated by shelterwood cutting and strip clearcutting?. <i>Forest Ecology and Management</i> , 2009, 257, 38-45.	3.2	28
22	Precommercial thinning increases growth of overstory aspen and understory balsam fir in a boreal mixedwood stand. <i>Forest Ecology and Management</i> , 2012, 278, 17-26.	3.2	24
23	Selection cutting in a yellow birchâ€“conifer stand, in Quebec, Canada: Comparing the single-tree and two hybrid methods using different sizes of canopy opening. <i>Forest Ecology and Management</i> , 2015, 357, 195-205.	3.2	20
24	Growth and mortality following partial cutting in a trembling aspenâ€“conifer stand: results after 10Ä©years. <i>Canadian Journal of Forest Research</i> , 2010, 40, 894-903.	1.7	19
25	Shelterwood cutting to release coniferous advance growth and limit aspen sucker development in a boreal mixedwood stand. <i>Forest Ecology and Management</i> , 2014, 323, 148-157.	3.2	19
26	Long-term growth response of black spruce advance regeneration (layers), natural seedlings and planted seedlings to scarification: 25th year update. <i>Scandinavian Journal of Forest Research</i> , 2018, 33, 583-593.	1.4	15
27	Establishment of natural regeneration under severe browsing pressure from white-tailed deer after group seed-tree cutting with scarification on Anticosti Island. <i>Canadian Journal of Forest Research</i> , 2009, 39, 596-605.	1.7	14
28	Canopy disturbance and intertree competition: implications for tree growth and recruitment in two yellow birchâ€“conifer stands in Quebec, Canada. <i>Journal of Forest Research</i> , 2013, 18, 168-178.	1.4	14
29	Snowmelt runoff modeling in a balsam fir forest with a variable source area simulator (VSAS2). <i>Water Resources Research</i> , 1990, 26, 1067-1077.	4.2	13
30	Interception de la pluie dans la sapiniÄ©re Ä© bouleau blanc, ForÄ©t Montmorency. <i>Canadian Journal of Forest Research</i> , 1984, 14, 722-730.	1.7	12
31	Accumulation et fonte de la neige en milieux boisÄ© et dÄ©boisÄ©. <i>GÄ©ographie Physique Et Quaternaire</i> , 1984, 38, 27-35.	0.2	12
32	Regeneration development under shelterwoods in a lowland red spruce â€“ balsam fir stand. <i>Canadian Journal of Forest Research</i> , 2008, 38, 31-39.	1.7	12
33	Shelterwood cutting in a red spruce â€“ balsam fir lowland site: Effects of final cut on water table and regeneration development. <i>Forest Ecology and Management</i> , 2013, 291, 404-416.	3.2	12
34	Germination and establishment of natural red spruce (<i>Picea rubens</i>) seedlings in silvicultural gaps of different sizes. <i>Forestry Chronicle</i> , 2016, 92, 90-100.	0.6	11
35	Simulation of snowmelt runoff pathways on the Lac Laflamme watershed. <i>Journal of Hydrology</i> , 1990, 113, 103-121.	5.4	10
36	Decennial growth and mortality following uniform partial cutting in yellow birch â€“ conifer stands. <i>Canadian Journal of Forest Research</i> , 2013, 43, 224-233.	1.7	10

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37	Patch Cutting in Temperate Mixedwood Stands: What Happens in the Between-Patch Matrix?. <i>Forest Science</i> , 2016, 62, 227-236.	1.0	10
38	Shelterwood cutting in a boreal mixedwood stand: 10-year effects of the establishment cut on growth and mortality of merchantable residual trees. <i>Forest Ecology and Management</i> , 2014, 330, 94-104.	3.2	9
39	Morphological response of conifer advance growth to canopy opening in mixedwood stands, in Quebec, Canada. <i>Trees - Structure and Function</i> , 2016, 30, 1735-1747.	1.9	9
40	Precommercial thinning of overtopping aspen to release coniferous regeneration in a boreal mixedwood stand. <i>Forestry Chronicle</i> , 2017, 93, 259-270.	0.6	9
41	Scalping and burning of <i>Kalmia angustifolia</i> (Ericaceae) litter: effects on <i>Picea mariana</i> establishment and ion leaching in a greenhouse experiment. <i>Forest Ecology and Management</i> , 1994, 63, 199-218.	3.2	8
42	Rehabilitation silviculture in a high-graded temperate mixedwood stand in Quebec, Canada. <i>New Forests</i> , 2019, 50, 677-698.	1.7	6
43	Eight-year ecophysiology and growth dynamics of <i>Picea rubens</i> seedlings planted in harvest gaps of partially cut stands. <i>Forest Ecology and Management</i> , 2020, 478, 118514.	3.2	5
44	Effets du drainage sur la croissance et le statut nutritif d'Ä©un peuplement d'Ä©Ä©pinette noire de structure inÄ©quienne : rÄ©sultats de 10 ans. <i>Forestry Chronicle</i> , 2005, 81, 516-524.	0.6	4
45	Basal area and diameter growth in high-graded eastern temperate mixedwood forests: the influence of acceptable growing stock, species, competition and climate. <i>Forestry</i> , 2019, 92, 659-669.	2.3	3
46	Nine-year physiology, nutrition and morphological development of <i>Picea glauca</i> reintroduced by planting in a high-graded yellow birchÄ©conifer stand. <i>Scandinavian Journal of Forest Research</i> , 2019, 34, 656-666.	1.4	3
47	Silvicultural options for rehabilitating high-graded mixedwood stands in northeastern North America. <i>Forest Ecology and Management</i> , 2020, 466, 118137.	3.2	3
48	Germination et Ä©tablissement de semis naturels d'Ä©Ä©pinette rouge (<i>Picea rubens</i>) dans des trouÄ©es sylvicoles de diffÄ©rentes tailles. <i>Forestry Chronicle</i> , 2015, 91, 573-583.	0.6	0