

# Frédéric Raulier

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,048  
citations

394421

19  
h-index

434195

31  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1037  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling paludification and fire impacts on the forest productivity of a managed landscape using valuable indicators: the example of the Clay Belt. <i>Canadian Journal of Forest Research</i> , 2021, 51, 1347-1356.	1.7	4
2	Bioenergy production to improve value-creation potential of strategic forest management plans in mixed-wood forests of Eastern Canada. <i>Applied Energy</i> , 2019, 247, 171-181.	10.1	10
3	The economic impact of fire management on timber production in the boreal forest region of Quebec, Canada. <i>International Journal of Wildland Fire</i> , 2018, 27, 831.	2.4	7
4	A value-added forest management policy reduces the impact of fire on timber production in Canadian boreal forests. <i>Forest Policy and Economics</i> , 2018, 97, 21-32.	3.4	9
5	Value-added forest management planning: A new perspective on old-growth forest conservation in the fire-prone boreal landscape of Canada. <i>Forest Ecology and Management</i> , 2018, 429, 44-56.	3.2	4
6	Projections of future forest age class structure under the influence of fire and harvesting: implications for forest management in the boreal forest of eastern Canada. <i>Forestry</i> , 2017, 90, 485-495.	2.3	40
7	Fire disturbance data improves the accuracy of remotely sensed estimates of aboveground biomass for boreal forests in eastern Canada. <i>Remote Sensing Applications: Society and Environment</i> , 2017, 8, 71-82.	1.5	0
8	Using operating area size and adjacency constraints to mitigate the effects of harvesting activities on boreal caribou habitat. <i>Landscape Ecology</i> , 2017, 32, 377-395.	4.2	3
9	Stand height and cover type complement forest age structure as a biodiversity indicator in boreal and northern temperate forest management. <i>Ecological Indicators</i> , 2017, 72, 288-296.	6.3	7
10	Regional Instability in the Abundance of Open Stands in the Boreal Forest of Eastern Canada. <i>Forests</i> , 2016, 7, 103.	2.1	7
11	Rating a Wildfire Mitigation Strategy with an Insurance Premium: A Boreal Forest Case Study. <i>Forests</i> , 2016, 7, 107.	2.1	4
12	Cover density recovery after fire disturbance controls landscape aboveground biomass carbon in the boreal forest of eastern Canada. <i>Forest Ecology and Management</i> , 2016, 360, 170-180.	3.2	17
13	Adaptation potential of ecosystem-based management to climate change in the eastern Canadian boreal forest. <i>Journal of Environmental Planning and Management</i> , 2015, 58, 2228-2249.	4.5	14
14	Strategic analysis of forest vulnerability to risk related to fire: an example from the coniferous boreal forest of Quebec. <i>Canadian Journal of Forest Research</i> , 2015, 45, 553-565.	1.7	48
15	Exploring forest productivity at an early age after fire: a case study at the northern limit of commercial forests in Quebec. <i>Canadian Journal of Forest Research</i> , 2015, 45, 579-593.	1.7	17
16	Contrasting current and potential productivity and the influence of fire and species composition in the boreal forest: a case study in eastern Canada. <i>Canadian Journal of Forest Research</i> , 2015, 45, 541-552.	1.7	9
17	Lengthening the historical records of fire history over large areas of boreal forest in eastern Canada using empirical relationships. <i>Forest Ecology and Management</i> , 2015, 347, 30-39.	3.2	12
18	A biophysical approach to delineate a northern limit to commercial forestry: the case of Quebec's boreal forest. <i>Canadian Journal of Forest Research</i> , 2015, 45, 515-528.	1.7	28

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19	Salvage logging following fires can minimize boreal caribou habitat loss while maintaining forest quotas: An example of compensatory cumulative effects. <i>Journal of Environmental Management</i> , 2015, 163, 234-245.	7.8	4
20	Unusual forest growth decline in boreal North America covaries with the retreat of Arctic sea ice. <i>Global Change Biology</i> , 2014, 20, 851-866.	9.5	77
21	Increasing resilience of timber supply: How a variable buffer stock of timber can efficiently reduce exposure to shortfalls caused by wildfires. <i>Forest Policy and Economics</i> , 2014, 46, 47-55.	3.4	26
22	Spatial and temporal heterogeneity of forest site productivity drivers: a case study within the eastern boreal forests of Canada. <i>Landscape Ecology</i> , 2014, 29, 905-918.	4.2	15
23	The predominance of stand composition and structure over direct climatic and site effects in explaining aspen ( <i>Populus tremuloides</i> Michaux) site index within boreal and temperate forests of western Quebec, Canada. <i>Forest Ecology and Management</i> , 2013, 302, 390-403.	3.2	11
24	Introducing two indicators for fire risk consideration in the management of boreal forests. <i>Ecological Indicators</i> , 2013, 24, 451-461.	6.3	25
25	Emulating boreal forest disturbance dynamics: Can we maintain timber supply, aboriginal land use, and woodland caribou habitat?. <i>Forestry Chronicle</i> , 2013, 89, 54-65.	0.6	12
26	Explaining Geographic Gradients in Winter Selection of Landscapes by Boreal Caribou with Implications under Global Changes in Eastern Canada. <i>PLoS ONE</i> , 2013, 8, e78510.	2.5	5
27	Forest age class structures as indicators of sustainability in boreal forest: Are we measuring them correctly?. <i>Ecological Indicators</i> , 2012, 23, 202-210.	6.3	33
28	Using height growth to model local and regional response of trembling aspen ( <i>Populus tremuloides</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 123-132.	2.5	19
29	Predicting site index from climatic, edaphic, and stand structural properties for seven plantation-grown conifer species in Quebec. <i>Canadian Journal of Forest Research</i> , 2011, 41, 682-693.	1.7	21
30	Testing for a CO <sub>2</sub> fertilization effect on growth of Canadian boreal forests. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	60
31	Portrait prÃ©industriel dans un contexte de grande variabilitÃ© naturelle: une Ã©tude de cas dans le centre du QuÃ©bec (Canada). <i>Forestry Chronicle</i> , 2011, 87, 612-624.	0.6	6
32	Use of tree rings to study the effect of climate change on trembling aspen in QuÃ©bec. <i>Global Change Biology</i> , 2010, 16, 2039-2051.	9.5	57
33	Uncertainty in detecting climate change impact on the projected yield of black spruce ( <i>Picea mariana</i> ). <i>Forest Ecology and Management</i> , 2010, 259, 730-738.	3.2	9
34	Response of tree growth to a changing climate in boreal central Canada: A comparison of empirical, process-based, and hybrid modelling approaches. <i>Ecological Modelling</i> , 2008, 213, 209-228.	2.5	94
35	Adjustment of the ageâ€‘height relationship for uneven-aged black spruce stands. <i>Canadian Journal of Forest Research</i> , 2008, 38, 2003-2012.	1.7	15
36	Estimating forest biomass using scale linkage from tree to Landsat TM reflectance data. , 2005, 5976, 341.		0

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37	Ageing and decline of trembling aspen stands in Quebec. Canadian Journal of Forest Research, 2004, 34, 1251-1258.	1.7	44
38	Impact of dominant tree dynamics on site index curves. Forest Ecology and Management, 2003, 184, 65-78.	3.2	67
39	Predicting the effect of thinning on growth of dense balsam fir stands using a process-based tree growth model. Canadian Journal of Forest Research, 2003, 33, 509-520.	1.7	20
40	Structural differences and functional similarities between two sugar maple ( <i>Acer saccharum</i> ) stands. Tree Physiology, 2002, 22, 1147-1156.	3.1	13
41	Modeling the influence of temperature on monthly gross primary productivity of sugar maple stands. Tree Physiology, 2000, 20, 333-345.	3.1	31
42	Predicting the date of leaf emergence for sugar maple across its native range. Canadian Journal of Forest Research, 2000, 30, 1429-1435.	1.7	31
43	Canopy photosynthesis of sugar maple ( <i>Acer saccharum</i> ): comparing big-leaf and multilayer extrapolations of leaf-level measurements. Tree Physiology, 1999, 19, 407-420.	3.1	51
44	Analytical estimation of branchwood volume in sugar maple, linked to branchiness. Trees - Structure and Function, 1998, 12, 395.	1.9	5
45	Influence of shading on the relationship between leaf area and crown surface area in sugar maple stands. Ecological Modelling, 1997, 104, 51-69.	2.5	9
46	Influence of social status on crown geometry and volume increment in regular and irregular black spruce stands. Canadian Journal of Forest Research, 1996, 26, 1742-1753.	1.7	30
47	Comparaison de différentes approches, modèles et tailles d'échantillons pour l'établissement de relations hauteur-diamètre locales. Canadian Journal of Forest Research, 1995, 25, 1303-1312.	1.7	18