

# Martin Lavoie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11566824/publications.pdf>

Version: 2024-02-01

21  
papers

946  
citations

687363

13  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Northern Peatland Decomposition and Peat Accumulation. <i>Ecosystems</i> , 2001, 4, 479-498.	3.4	250
2	The rate of permafrost carbon release under aerobic and anaerobic conditions and its potential effects on climate. <i>Global Change Biology</i> , 2012, 18, 515-527.	9.5	141
3	Paludification and management of forested peatlands in Canada: a literature review. <i>Environmental Reviews</i> , 2005, 13, 21-50.	4.5	116
4	The value of soil respiration measurements for interpreting and modeling terrestrial carbon cycling. <i>Plant and Soil</i> , 2017, 413, 1-25.	3.7	81
5	Mobile measurement of methane emissions from natural gas developments in northeastern British Columbia, Canada. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12405-12420.	4.9	73
6	Impact of global change and forest management on carbon sequestration in northern forested peatlands. <i>Environmental Reviews</i> , 2005, 13, 199-240.	4.5	56
7	A spatially explicit analysis to extrapolate carbon fluxes in upland tundra where permafrost is thawing. <i>Global Change Biology</i> , 2011, 17, 1379-1393.	9.5	35
8	Relationships between microsite type and the growth and nutrition of young black spruce on post-disturbed lowland black spruce sites in eastern Canada. <i>Canadian Journal of Forest Research</i> , 2007, 37, 62-73.	1.7	34
9	Bulk and isotopic characterization of biogenic CO <sub>2</sub> sources and variability in the Weyburn injection area. <i>International Journal of Greenhouse Gas Control</i> , 2013, 16, S263-S275.	4.6	23
10	Spatial pattern in the organic layer and tree growth: A case study from regenerating <i>Picea mariana</i> stands prone to paludification. <i>Journal of Vegetation Science</i> , 2007, 18, 213-222.	2.2	20
11	A practical approach for uncertainty quantification of high-frequency soil respiration using Forced Diffusion chambers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 128-146.	3.0	16
12	Mobile measurement of methane emissions from natural gas developments in northeastern British Columbia, Canada. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12405-12420.	4.9	16
13	Using the Kerr investigations at Weyburn to screen geochemical tracers for near-surface detection and attribution of leakage at CCS/EOR sites. <i>International Journal of Greenhouse Gas Control</i> , 2015, 35, 13-17.	4.6	14
14	Atmospheric monitoring and detection of fugitive emissions for Enhanced Oil Recovery. <i>International Journal of Greenhouse Gas Control</i> , 2016, 45, 1-8.	4.6	13
15	Quality of growth substrates of post-disturbed lowland black spruce sites for black spruce ( <i>Picea</i> ) Tj ETQq1 1 0.784314 rgBT /Overloc	1.7	12
16	A new method for real-time monitoring of soil CO <sub>2</sub> efflux. <i>Methods in Ecology and Evolution</i> , 2012, 3, 889-897.	5.2	12
17	Sweet and sour: A quantitative analysis of methane emissions in contrasting Alberta, Canada, heavy oil developments. <i>Science of the Total Environment</i> , 2022, 807, 150836.	8.0	9
18	Effects of Restoration Techniques on Soil Carbon and Nitrogen Dynamics in Florida Longleaf Pine ( <i>Pinus palustris</i> ) Sandhill Forests. <i>Forests</i> , 2014, 5, 498-517.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Unusual effect of controlling aboveground competition by <i>Ledum groenlandicum</i> on black spruce ( <i>Picea mariana</i> ) in boreal forested peatland. <i>Canadian Journal of Forest Research</i> , 2006, 36, 2058-2062.	1.7	6
20	The Effect of Restoration Treatments on the Spatial Variability of Soil Processes under Longleaf Pine Trees. <i>Forests</i> , 2012, 3, 591-604.	2.1	6
21	Active and inactive oil and gas sites contribute to methane emissions in western Saskatchewan, Canada. <i>Elementa</i> , 2022, 10, .	3.2	5