

# Colin P R Mccarter

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

545  
citations

623734

14  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

538  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecohydrology of <i>Sphagnum</i> moss hummocks: mechanisms of caputula water supply and simulated effects of evaporation. <i>Ecohydrology</i> , 2014, 7, 33-44.	2.4	109
2	The hydrology of the Bois-des-Bel bog peatland restoration: 10 years post-restoration. <i>Ecological Engineering</i> , 2013, 55, 73-81.	3.6	55
3	Pore-scale controls on hydrological and geochemical processes in peat: Implications on interacting processes. <i>Earth-Science Reviews</i> , 2020, 207, 103227.	9.1	54
4	The hydrology of the Bois-des-Bel peatland restoration: hydrophysical properties limiting connectivity between regenerated <i>Sphagnum</i> and remnant vacuum harvested peat deposit. <i>Ecohydrology</i> , 2015, 8, 173-187.	2.4	50
5	Changes in dissolved organic carbon quality in soils and discharge 10years after peatland restoration. <i>Journal of Hydrology</i> , 2015, 527, 345-354.	5.4	33
6	Groundwater sustainability and groundwater/surface-water interaction in arid Dunhuang Basin, northwest China. <i>Hydrogeology Journal</i> , 2018, 26, 1559-1572.	2.1	23
7	Competitive transport processes of chloride, sodium, potassium, and ammonium in fen peat. <i>Journal of Contaminant Hydrology</i> , 2018, 217, 17-31.	3.3	23
8	Experimental hydrological forcing to illustrate water flow processes of a subarctic ladder fen peatland. <i>Hydrological Processes</i> , 2017, 31, 1578-1589.	2.6	21
9	The transport dynamics of chloride and sodium in a ladder fen during a continuous wastewater polishing experiment. <i>Journal of Hydrology</i> , 2017, 549, 558-570.	5.4	21
10	Coupled hydrological and geochemical impacts of wildfire in peatland-dominated regions of discontinuous permafrost. <i>Science of the Total Environment</i> , 2021, 782, 146841.	8.0	18
11	Modified Technique for Measuring Unsaturated Hydraulic Conductivity in <i>Sphagnum Moss</i> and Peat. <i>Soil Science Society of America Journal</i> , 2017, 81, 747-757.	2.2	15
12	Wetlands and low-gradient topography are associated with longer hydrologic transit times in Precambrian Shield headwater catchments. <i>Hydrological Processes</i> , 2020, 34, 598-614.	2.6	15
13	Nutrient and mercury transport in a sub-arctic ladder fen peatland subjected to simulated wastewater discharges. <i>Science of the Total Environment</i> , 2017, 609, 1349-1360.	8.0	14
14	The effect of compression on <i>Sphagnum</i> hydrophysical properties: Implications for increasing hydrological connectivity in restored cutover peatlands. <i>Ecohydrology</i> , 2018, 11, e2020.	2.4	14
15	Microtopographical and hydrophysical controls on subsurface flow and solute transport: continuous solute release experiment in a subarctic bog. <i>Hydrological Processes</i> , 2018, 32, 2963-2975.	2.6	13
16	Changes in hillslope hydrology in a perched, shallow soil system due to clearcutting and residual biomass removal. <i>Hydrological Processes</i> , 2020, 34, 5354-5369.	2.6	9
17	Editorial: Wetland Biogeochemistry: Response to Environmental Change. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	6
18	Differential subsurface mobilization of ambient mercury and isotopically enriched mercury tracers in a harvested and residue harvested hardwood forest in northern Minnesota. <i>Biogeochemistry</i> , 2021, 154, 119-138.	3.5	5

#	ARTICLE	IF	CITATIONS
19	Ecohydrological trade-offs from multiple peatland disturbances: The interactive effects of drainage, harvesting, restoration and wildfire in a southern Ontario bog. <i>Journal of Hydrology</i> , 2021, 601, 126793.	5.4	5
20	Ecohydrological implications of the variability of soil hydrophysical properties between two Sphagnum moss microforms and the impact of different sample heights. <i>Journal of Hydrology</i> , 2021, 603, 126956.	5.4	5
21	Effects of Clearcutting and Residual Biomass Harvesting on Hillslope Mercury Mobilization and Downgradient Mercury Accumulation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	5
22	Field-scale compression of Sphagnum moss to improve water retention in a restored bog. <i>Journal of Hydrology</i> , 2022, 612, 128160.	5.4	4
23	Effect of stockpiling time on donor-peat hydrophysical properties: Implications for peatland restoration. <i>Ecological Engineering</i> , 2022, 182, 106701.	3.6	3