Colin P R Mccarter

List of Publications by Year
in descending order

23	545	623734	642732
papers	citations	14 h-index	23 g-index

26	26	26	538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Clearcutting and Residual Biomass Harvesting on Hillslope Mercury Mobilization and Downgradient Mercury Accumulation. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	3.0	5
2	Effect of stockpiling time on donor-peat hydrophysical properties: Implications for peatland restoration. Ecological Engineering, 2022, 182, 106701.	3.6	3
3	Field-scale compression of Sphagnum moss to improve water retention in a restored bog. Journal of Hydrology, 2022, 612, 128160.	5.4	4
4	Differential subsurface mobilization of ambient mercury and isotopically enriched mercury tracers in a harvested and residue harvested hardwood forest in northern Minnesota. Biogeochemistry, 2021, 154, 119-138.	3.5	5
5	Coupled hydrological and geochemical impacts of wildfire in peatland-dominated regions of discontinuous permafrost. Science of the Total Environment, 2021, 782, 146841.	8.0	18
6	Ecohydrological trade-offs from multiple peatland disturbances: The interactive effects of drainage, harvesting, restoration and wildfire in a southern Ontario bog. Journal of Hydrology, 2021, 601, 126793.	5.4	5
7	Ecohydrological implications of the variability of soil hydrophysical properties between two Sphagnum moss microforms and the impact of different sample heights. Journal of Hydrology, 2021, 603, 126956.	5.4	5
8	Wetlands and lowâ€gradient topography are associated with longer hydrologic transit times in Precambrian Shield headwater catchments. Hydrological Processes, 2020, 34, 598-614.	2.6	15
9	Changes in hillslope hydrology in a perched, shallow soil system due to clearcutting and residual biomass removal. Hydrological Processes, 2020, 34, 5354-5369.	2.6	9
10	Pore-scale controls on hydrological and geochemical processes in peat: Implications on interacting processes. Earth-Science Reviews, 2020, 207, 103227.	9.1	54
11	Editorial: Wetland Biogeochemistry: Response to Environmental Change. Frontiers in Environmental Science, 2020, 8, .	3.3	6
12	Groundwater sustainability and groundwater/surface-water interaction in arid Dunhuang Basin, northwest China. Hydrogeology Journal, 2018, 26, 1559-1572.	2.1	23
13	The effect of compression on Sphagnum hydrophysical properties: Implications for increasing hydrological connectivity in restored cutover peatlands. Ecohydrology, 2018, 11, e2020.	2.4	14
14	Competitive transport processes of chloride, sodium, potassium, and ammonium in fen peat. Journal of Contaminant Hydrology, 2018, 217, 17-31.	3.3	23
15	Microtopographical and hydrophysical controls on subsurface flow and solute transport: <scp>A</scp> continuous solute release experiment in a subarctic bog. Hydrological Processes, 2018, 32, 2963-2975.	2.6	13
16	Experimental hydrological forcing to illustrate water flow processes of a subarctic ladder fen peatland. Hydrological Processes, 2017, 31, 1578-1589.	2.6	21
17	Nutrient and mercury transport in a sub-arctic ladder fen peatland subjected to simulated wastewater discharges. Science of the Total Environment, 2017, 609, 1349-1360.	8.0	14
18	The transport dynamics of chloride and sodium in a ladder fen during a continuous wastewater polishing experiment. Journal of Hydrology, 2017, 549, 558-570.	5.4	21

#	Article	IF	Citations
19	Modified Technique for Measuring Unsaturated Hydraulic Conductivity inSphagnum Mossand Peat. Soil Science Society of America Journal, 2017, 81, 747-757.	2.2	15
20	The hydrology of the Boisâ€desâ€Bel peatland restoration: hydrophysical properties limiting connectivity between regenerated Sphagnum and remnant vacuum harvested peat deposit. Ecohydrology, 2015, 8, 173-187.	2.4	50
21	Changes in dissolved organic carbon quality in soils and discharge 10years after peatland restoration. Journal of Hydrology, 2015, 527, 345-354.	5.4	33
22	Ecohydrology of Sphagnum moss hummocks: mechanisms of capitula water supply and simulated effects of evaporation. Ecohydrology, 2014, 7, 33-44.	2.4	109
23	The hydrology of the Bois-des-Bel bog peatland restoration: 10 years post-restoration. Ecological Engineering, 2013, 55, 73-81.	3.6	55