

William T Cooper

List of Publications by Year in descending order

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20
papers

1,464
citations

394421

19
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

2007
citing authors

#	ARTICLE	IF	CITATIONS
1	An ultrahigh-resolution mass spectrometry index to estimate natural organic matter lability. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 2385-2401.	1.5	276
2	Organic matter transformation in the peat column at Marcell Experimental Forest: Humification and vertical stratification. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 661-675.	3.0	170
3	Tropical peatland carbon storage linked to global latitudinal trends in peat recalcitrance. <i>Nature Communications</i> , 2018, 9, 3640.	12.8	135
4	Microbial Community Stratification Linked to Utilization of Carbohydrates and Phosphorus Limitation in a Boreal Peatland at Marcell Experimental Forest, Minnesota, USA. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3518-3530.	3.1	114
5	Investigating dissolved organic matter decomposition in northern peatlands using complimentary analytical techniques. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 112, 116-129.	3.9	104
6	Microbial Metabolic Potential for Carbon Degradation and Nutrient (Nitrogen and Phosphorus) Acquisition in an Ombrotrophic Peatland. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3531-3540.	3.1	102
7	Partitioning pathways of CO ₂ production in peatlands with stable carbon isotopes. <i>Biogeochemistry</i> , 2013, 114, 327-340.	3.5	89
8	Characterization of dissolved organic matter in northern peatland soil porewaters by ultra high resolution mass spectrometry. <i>Organic Geochemistry</i> , 2010, 41, 791-799.	1.8	80
9	Comparison of dialysis and solid-phase extraction for isolation and concentration of dissolved organic matter prior to Fourier transform ion cyclotron resonance mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 447-457.	3.7	52
10	Molecular and Spectroscopic Characterization of Water Extractable Organic Matter from Thermally Altered Soils Reveal Insight into Disinfection Byproduct Precursors. <i>Environmental Science & Technology</i> , 2017, 51, 771-779.	10.0	42
11	Vertical Stratification of Peat Pore Water Dissolved Organic Matter Composition in a Peat Bog in Northern Minnesota. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 479-494.	3.0	41
12	Influence of acidification on the optical properties and molecular composition of dissolved organic matter. <i>Analytica Chimica Acta</i> , 2011, 706, 261-267.	5.4	39
13	A History of Molecular Level Analysis of Natural Organic Matter by FTICR Mass Spectrometry and The Paradigm Shift in Organic Geochemistry. <i>Mass Spectrometry Reviews</i> , 2022, 41, 215-239.	5.4	37
14	Mass spectrometry of natural organic phosphorus. <i>Talanta</i> , 2005, 66, 348-358.	5.5	34
15	Surface production fuels deep heterotrophic respiration in northern peatlands. <i>Global Biogeochemical Cycles</i> , 2013, 27, 1163-1174.	4.9	33
16	Decomposition of plankton-derived dissolved organic matter in permeable coastal sediments. <i>Limnology and Oceanography</i> , 2010, 55, 857-871.	3.1	32
17	Utilization of PARAFAC-Modeled Excitation-Emission Matrix (EEM) Fluorescence Spectroscopy to Identify Biogeochemical Processing of Dissolved Organic Matter in a Northern Peatland. <i>Photochemistry and Photobiology</i> , 2015, 91, 684-695.	2.5	32
18	Decomposition of plankton-derived dissolved organic matter in permeable coastal sediments. <i>Limnology and Oceanography</i> , 2010, 55, 857-871.	3.1	28

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19	Soil incubations reproduce field methane dynamics in a subarctic wetland. <i>Biogeochemistry</i> , 2015, 126, 241-249.	3.5	24
20	NMR Studies of Phosphorus Speciation and Carbon Humification in Wetland Soils. <i>ACS Symposium Series</i> , 2014, , 145-158.	0.5	0