

Dolly Kothawala

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

2,586
citations

24
h-index

50
g-index

50
ext. papers

3,304
ext. citations

7.6
avg. IF

5.33
L-index

#	Paper	IF	Citations
43	Organic Matter Degradation across Ecosystem Boundaries: The Need for a Unified Conceptualization. <i>Trends in Ecology and Evolution</i> , 2021 , 36, 113-122	10.9	8
42	How much carbon can be added to soil by sorption?. <i>Biogeochemistry</i> , 2021 , 152, 127-142	3.8	13
41	How humans alter dissolved organic matter composition in freshwater: relevance for the Earth's biogeochemistry. <i>Biogeochemistry</i> , 2021 , 154, 323-348	3.8	16
40	How hydrology and anthropogenic activity influence the molecular composition and export of dissolved organic matter: Observations along a large river continuum. <i>Limnology and Oceanography</i> , 2021 , 66, 1730-1742	4.8	2
39	Selective Adsorption of Terrestrial Dissolved Organic Matter to Inorganic Surfaces Along a Boreal Inland Water Continuum. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020 , 125, e2019JG005236	3.7	16
38	Particles and Aeration at Mire-Stream Interfaces Cause Selective Removal and Modification of Dissolved Organic Matter. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020 , 125, e2020JG005654	3.7	2
37	Rainstorm events shift the molecular composition and export of dissolved organic matter in a large drinking water reservoir in China: High frequency buoys and field observations. <i>Water Research</i> , 2020 , 187, 116471	12.5	11
36	Linking dissolved organic matter composition and bacterioplankton communities in an Amazon floodplain system. <i>Limnology and Oceanography</i> , 2020 , 65, 63-76	4.8	10
35	Rice-paddy field acts as a buffer system to decrease the terrestrial characteristics of dissolved organic matter exported from a typical small agricultural watershed in the Three Gorges Reservoir Area, China. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 23873-23885	5.1	3
34	Selective removal of dissolved organic matter affects the production and speciation of disinfection byproducts. <i>Science of the Total Environment</i> , 2019 , 652, 75-84	10.2	24
33	The interplay between total mercury, methylmercury and dissolved organic matter in fluvial systems: A latitudinal study across Europe. <i>Water Research</i> , 2018 , 144, 172-182	12.5	34
32	Stream Dissolved Organic Matter Composition Reflects the Riparian Zone, Not Upslope Soils in Boreal Forest Headwaters. <i>Water Resources Research</i> , 2018 , 54, 3896-3912	5.4	16
31	Understanding Dissolved Organic Matter Reactivity and Composition in Lakes and Streams Using Proton-Transfer-Reaction Mass Spectrometry (PTR-MS). <i>Environmental Science and Technology Letters</i> , 2018 , 5, 739-744	11	8
30	Biogeochemical tools for characterizing organic carbon in inland aquatic ecosystems. <i>Limnology and Oceanography Letters</i> , 2018 , 3, 444-457	7.9	21
29	Cleaning and sampling protocol for analysis of mercury and dissolved organic matter in freshwater systems. <i>MethodsX</i> , 2018 , 5, 1017-1026	1.9	3
28	ORCHIDEE-SOM: modeling soil organic carbon (SOC) and dissolved organic carbon (DOC) dynamics along vertical soil profiles in Europe. <i>Geoscientific Model Development</i> , 2018 , 11, 937-957	6.3	28
27	A tale of pipes and reactors: Controls on the in-stream dynamics of dissolved organic matter in rivers. <i>Limnology and Oceanography</i> , 2017 , 62, S85-S94	4.8	58

26	Preferential sequestration of terrestrial organic matter in boreal lake sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 863-874	3.7	31
25	Influence of dissolved organic matter concentration and composition on the removal efficiency of perfluoroalkyl substances (PFASs) during drinking water treatment. <i>Water Research</i> , 2017 , 121, 320-328	12.5	72
24	Variability in organic carbon reactivity across lake residence time and trophic gradients. <i>Nature Geoscience</i> , 2017 , 10, 832-835	18.3	68
23	ORCHIDEE-SOM: Modeling soil organic carbon (SOC) and dissolved organic carbon (DOC) dynamics along vertical soil profiles in Europe 2017 ,		1
22	Organic carbon decomposition rates controlled by water retention time across inland waters. <i>Nature Geoscience</i> , 2016 , 9, 501-504	18.3	192
21	Impact of iron associated to organic matter on remote sensing estimates of lake carbon content. <i>Remote Sensing of Environment</i> , 2015 , 156, 109-116	13.2	14
20	The relative influence of land cover, hydrology, and in-stream processing on the composition of dissolved organic matter in boreal streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015 , 120, 1491-1505	3.7	67
19	Persistence of dissolved organic matter in lakes related to its molecular characteristics. <i>Nature Geoscience</i> , 2015 , 8, 454-457	18.3	288
18	Tracking changes in the optical properties and molecular composition of dissolved organic matter during drinking water production. <i>Water Research</i> , 2015 , 85, 286-94	12.5	135
17	Chemodiversity of dissolved organic matter in lakes driven by climate and hydrology. <i>Nature Communications</i> , 2014 , 5, 3804	17.4	312
16	Controls of dissolved organic matter quality: evidence from a large-scale boreal lake survey. <i>Global Change Biology</i> , 2014 , 20, 1101-14	11.4	207
15	Hourly, daily, and seasonal variability in the absorption spectra of chromophoric dissolved organic matter in a eutrophic, humic lake. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 1985-1998	3.7	18
14	Inner filter correction of dissolved organic matter fluorescence. <i>Limnology and Oceanography: Methods</i> , 2013 , 11, 616-630	2.6	167
13	In-lake processes offset increased terrestrial inputs of dissolved organic carbon and color to lakes. <i>PLoS ONE</i> , 2013 , 8, e70598	3.7	90
12	Sequestration and Loss of Organic Carbon in Inland Waters: From Microscale to Global Scale 2013 , 349-351		2
11	Variability in spectral absorbance metrics across boreal lake waters. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 2643-52		29
10	Selective loss and preservation of lake water dissolved organic matter fluorescence during long-term dark incubations. <i>Science of the Total Environment</i> , 2012 , 433, 238-46	10.2	116
9	Reactivity continuum of dissolved organic carbon decomposition in lake water. <i>Journal of Geophysical Research</i> , 2012 , 117,		105

8	Selective adsorption of dissolved organic matter to mineral soils. <i>Geoderma</i> , 2012 , 189-190, 334-342	6.7	54
7	Selective decay of terrestrial organic carbon during transport from land to sea. <i>Global Change Biology</i> , 2012 , 18, 349-355	11.4	100
6	Stream Nitrate Responds Rapidly to Decreasing Nitrate Deposition. <i>Ecosystems</i> , 2011 , 14, 274-286	3.9	37
5	Soil Properties Controlling the Adsorption of Dissolved Organic Carbon to Mineral Soils. <i>Soil Science Society of America Journal</i> , 2009 , 73, 1831-1842	2.5	67
4	Adsorption of dissolved nitrogen by forest mineral soils. <i>Canadian Journal of Forest Research</i> , 2009 , 39, 2381-2390	1.9	25
3	Adsorption of dissolved organic carbon to mineral soils: A comparison of four isotherm approaches. <i>Geoderma</i> , 2008 , 148, 43-50	6.7	44
2	Relationships between DOC concentration, molecular size and fluorescence properties of DOM in a stream. <i>Applied Geochemistry</i> , 2007 , 22, 1659-1667	3.5	46
1	Changes in the molecular weight distribution of dissolved organic carbon within a Precambrian shield stream. <i>Water Resources Research</i> , 2006 , 42,	5.4	23