Anne Kellerman

List of Publications by Citations

29 papers	1,224 citations	14 h-index	34 g-index
36 ext. papers	1,780 ext. citations	6.6 avg, IF	4.72 L-index

#	Paper	IF	Citations
29	Chemodiversity of dissolved organic matter in lakes driven by climate and hydrology. *Nature Communications*, **2014**, 5, 3804	17.4	312
28	Persistence of dissolved organic matter in lakes related to its molecular characteristics. *Nature Geoscience*, **2015**, 8, 454-457	18.3	288
27	Experimental insights into the importance of aquatic bacterial community composition to the degradation of dissolved organic matter. *ISME Journal*, **2016**, 10, 533-45	11.9	197
26	Unifying Concepts Linking Dissolved Organic Matter Composition to Persistence in Aquatic Ecosystems. *Environmental Science & Technology*, **2018**, 52, 2538-2548	10.3	105
25	Absence of a priming effect on dissolved organic carbon degradation in lake water. *Limnology and Oceanography*, **2015**, 60, 159-168	4.8	65
24	Molecular-Level Composition and Acute Toxicity of Photosolubilized Petrogenic Carbon. *Environmental Science & Technology*, **2019**, 53, 8235-8243	10.3	29
23	Realizing the potential of trait-based aquatic ecology: New tools and collaborative approaches. *Limnology and Oceanography*, **2017**, 62, 253-271	4.8	26
22	Identifying the Molecular Signatures of Agricultural Expansion in Amazonian Headwater Streams. *Journal of Geophysical Research G: Biogeosciences*, **2019**, 124, 1637-1650	3.7	25
21	Flux and Seasonality of Dissolved Organic Matter From the Northern Dvina (Severnaya Dvina) River, Russia. *Journal of Geophysical Research G: Biogeosciences*, **2018**, 123, 1041-1056	3.7	25
20	Selective Leaching of Dissolved Organic Matter From Alpine Permafrost Soils on the Qinghai-Tibetan Plateau. *Journal of Geophysical Research G: Biogeosciences*, **2018**, 123, 1005-1016	3.7	16
19	Glacier Outflow Dissolved Organic Matter as a Window Into Seasonally Changing Carbon Sources: Leverett Glacier, Greenland. *Journal of Geophysical Research G: Biogeosciences*, **2020**, 125, e2019JG005161	3.7	15
18	Spatiotemporal transformation of dissolved organic matter along an alpine stream flow path on the Qinghai□Tibet Plateau: importance of source and permafrost degradation. *Biogeosciences*, **2018**, 15, 6637-6648	4.6	15
17	Drivers of Dissolved Organic Matter in the Vent and Major Conduits of the World's Largest Freshwater Spring. *Journal of Geophysical Research G: Biogeosciences*, **2018**, 123, 2775-2790	3.7	14
16	Fundamental drivers of dissolved organic matter composition across an Arctic effective precipitation gradient. *Limnology and Oceanography*, **2020**, 65, 1217-1234	4.8	14
15	Hydrologic connectivity determines dissolved organic matter biogeochemistry in northern high-latitude lakes. *Limnology and Oceanography*, **2020**, 65, 1764-1780	4.8	13
14	Delineating the Continuum of Dissolved Organic Matter in Temperate River Networks. *Global Biogeochemical Cycles*, **2020**, 34, e2019GB006495	5.9	12
13	Hydrocarbons to carboxyl-rich alicyclic molecules: A continuum model to describe biodegradation of petroleum-derived dissolved organic matter in contaminated groundwater plumes. *Journal of Hazardous Materials*, **2021**, 402, 123998	12.8	10

List of Publications

12	Organic Matter Degradation across Ecosystem Boundaries: The Need for a Unified Conceptualization. *Trends in Ecology and Evolution*, **2021**, 36, 113-122	10.9	8
11	Large subglacial source of mercury from the southwestern margin of the Greenland Ice Sheet. *Nature Geoscience*, **2021**, 14, 496-502	18.3	6
10	Pan-Arctic Riverine Dissolved Organic Matter: Synchronous Molecular Stability, Shifting Sources and Subsidies. *Global Biogeochemical Cycles*, **2021**, 35, e2020GB006871	5.9	5
9	The evolution of stream dissolved organic matter composition following glacier retreat in coastal watersheds of southeast Alaska. *Biogeochemistry*,1	3.8	5
8	The Influence of Glacial Cover on Riverine Silicon and Iron Exports in Chilean Patagonia. *Global Biogeochemical Cycles*, **2020**, 34, e2020GB006611	5.9	4
7	Molecular Signatures of Glacial Dissolved Organic Matter From Svalbard and Greenland. *Global Biogeochemical Cycles*, **2021**, 35, e2020GB006709	5.9	4
6	Limited Presence of Permafrost Dissolved Organic Matter in the Kolyma River, Siberia Revealed by Ramped Oxidation. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2020JG005977	3.7	3
5	Controls on Riverine Dissolved Organic Matter Composition Across an Arctic-Boreal Latitudinal Gradient. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2020JG005988	3.7	3
4	Assessing the Role of Photochemistry in Driving the Composition of Dissolved Organic Matter in Glacier Runoff. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2021JG006516	3.7	1
3	Anthropogenic landcover impacts fluvial dissolved organic matter composition in the Upper Mississippi River Basin. *Biogeochemistry*,1	3.8	1
2	The Effects of Glacial Cover on Riverine Silicon Isotope Compositions in Chilean Patagonia. *Frontiers in Earth Science*, **2020**, 8,	3.5	1
1	Molecular Insights into Glacial Cryoconite Dissolved Organic Matter Evolution under Dark Conditions during the Ablation Season on the Tibetan Plateau. *ACS Earth and Space Chemistry*, **2021**, 5, 870-879	3.2	1