Tamara E C Kraus

List of Publications by Citations

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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.

37 papers	2,046 citations	17 h-index	40 g-index
40 ext. papers	2,343 ext. citations	5.6 avg, IF	4.63 L-index

#	Paper	IF	Citations
37	Tannins in nutrient dynamics of forest ecosystems - a review. *Plant and Soil*, **2003**, 256, 41-66	4.2	491
36	Optical properties of dissolved organic matter (DOM): Effects of biological and photolytic degradation. *Limnology and Oceanography*, **2016**, 61, 1015-1032	4.8	368
35	Diurnal variability in riverine dissolved organic matter composition determined by in situ optical measurement in the San Joaquin River (California, USA). *Hydrological Processes*, **2007**, 21, 3181-3189	3.3	137
34	Linking chemical reactivity and protein precipitation to structural characteristics of foliar tannins. *Journal of Chemical Ecology*, **2003**, 29, 703-30	2.7	119
33	Carbon and nitrogen dynamics in a forest soil amended with purified tannins from different plant species. *Soil Biology and Biochemistry*, **2004**, 36, 309-321	7.5	115
32	Structural stability of coprecipitated natural organic matter and ferric iron under reducing conditions. *Organic Geochemistry*, **2012**, 48, 81-89	3.1	110
31	Seeing the light: The effects of particles, dissolved materials, and temperature on in situ measurements of DOM fluorescence in rivers and streams. *Limnology and Oceanography: Methods*, **2012**, 10, 767-775	2.6	106
30	Removal of inorganic mercury and methylmercury from surface waters following coagulation of dissolved organic matter with metal-based salts. *Science of the Total Environment*, **2011**, 409, 631-7	10.2	91
29	Environmental and economic effects of reducing pesticide use in agriculture. *Agriculture, Ecosystems and Environment*, **1993**, 46, 273-288	5.7	91
28	Assessing the sources and magnitude of diurnal nitrate variability in the San Joaquin River (California) with an in situ optical nitrate sensor and dual nitrate isotopes. *Freshwater Biology*, **2009**, 54, 376-387	3.1	73
27	Assessing the contribution of wetlands and subsided islands to dissolved organic matter and disinfection byproduct precursors in the Sacramento–San Joaquin River Delta: A geochemical approach. *Organic Geochemistry*, **2008**, 39, 1302-1318	3.1	55
26	Concurrent photolytic degradation of aqueous methylmercury and dissolved organic matter. *Science of the Total Environment*, **2014**, 484, 263-75	10.2	51
25	Determining sources of dissolved organic carbon and disinfection byproduct precursors to the McKenzie River, Oregon. *Journal of Environmental Quality*, **2010**, 39, 2100-12	3.4	37
24	Mineral and Dissolved Organic Nitrogen Dynamics along a Soil Acidity-Fertility Gradient. *Soil Science Society of America Journal*, **2003**, 67, 878	2.5	27
23	Using Continuous Underway Isotope Measurements To Map Water Residence Time in Hydrodynamically Complex Tidal Environments. *Environmental Science & Technology*, **2016**, 50, 13387-13396	10.3	19
22	Experimental dosing of wetlands with coagulants removes mercury from surface water and decreases mercury bioaccumulation in fish. *Environmental Science & Technology*, **2015**, 49, 6304-11	10.3	18
21	Wetlands receiving water treated with coagulants improve water quality by removing dissolved organic carbon and disinfection byproduct precursors. *Science of the Total Environment*, **2018**, 622-623, 603-613	10.2	17

20	Sediment accretion and carbon storage in constructed wetlands receiving water treated with metal-based coagulants. *Ecological Engineering*, **2018**, 111, 176-185	3.9	15
19	Aluminum- and iron-based coagulation for in-situ removal of dissolved organic carbon, disinfection byproducts, mercury and other constituents from agricultural drain water. *Ecological Engineering*, **2019**, 134, 26-38	3.9	14
18	Effects of ferric sulfate and polyaluminum chloride coagulation enhanced treatment wetlands on Typha growth, soil and water chemistry. *Science of the Total Environment*, **2019**, 648, 116-124	10.2	14
17	Spatial variability of phytoplankton in a shallow tidal freshwater system reveals complex controls on abundance and community structure. *Science of the Total Environment*, **2020**, 700, 134392	10.2	12
16	Using Paired In Situ High Frequency Nitrate Measurements to Better Understand Controls on Nitrate Concentrations and Estimate Nitrification Rates in a Wastewater-Impacted River. *Water Resources Research*, **2017**, 53, 8423-8442	5.4	11
15	A river-scale Lagrangian experiment examining controls on phytoplankton dynamics in the presence and absence of treated wastewater effluent high in ammonium. *Limnology and Oceanography*, **2017**, 62, 1234-1253	4.8	10
14	Sources and characteristics of organic matter in the Clackamas River, Oregon, related to the formation of disinfection by-products in treated drinking water. *USGS Scientific Investigations Report*,		9
13	Mercury sequestration and transformation in chemically enhanced treatment wetlands. *Chemosphere*, **2019**, 217, 496-506	8.4	8
12	Investigating the Temporal Effects of Metal-Based Coagulants to Remove Mercury from Solution in the Presence of Dissolved Organic Matter. *Environmental Management*, **2016**, 57, 220-8	3.1	6
11	Use of flow cytometry and stable isotope analysis to determine phytoplankton uptake of wastewater derived ammonium in a nutrient-rich river. *Biogeosciences*, **2018**, 15, 353-367	4.6	5
10	Procedures for using the Horiba Scientific Aqualog® fluorometer to measure absorbance and fluorescence from dissolved organic matter. *US Geological Survey Open-File Report*,		4
9	Sequestration and Transformation in Chemically Enhanced Treatment Wetlands: DOC, DBPPs, and Nutrients. *Journal of Environmental Engineering, ASCE*, **2019**, 145, 04019044	2	3
8	Mercury, monomethyl mercury, and dissolved organic carbon concentrations in surface water entering and exiting constructed wetlands treated with metal-based coagulants, Twitchell Island, California. *Data Series*,		2
7	The water-quality monitoring program for the Baltimore reservoir system, 1981-2007—Description, review and evaluation, and framework integration for enhanced monitoring. *USGS Scientific Investigations Report*,		2
6	Synthesis of data from high-frequency nutrient and associated biogeochemical monitoring for the Sacramento–San Joaquin Delta, northern California. *USGS Scientific Investigations Report*,		2
5	Trihalomethane precursors: Land use hot spots, persistence during transport, and management options. *Science of the Total Environment*, **2020**, 742, 140571	10.2	1
4	Chemically Enhanced Treatment Wetland to Improve Water Quality and Mitigate Land Subsidence in the Sacramento-San Joaquin Delta: Cost and Design Considerations. *San Francisco Estuary and Watershed Science*, **2019**, 17,	1.4	1
3	Ocean connectivity drives trophic support for consumers in an intermittently closed coastal lagoon. *Estuarine, Coastal and Shelf Science*, **2021**, 264, 107665	2.9	0

2	Lateral Carbon Exports From Drained Peatlands: An Understudied Carbon Pathway in the Sacramento-San Joaquin Delta, California. *Journal of Geophysical Research G: Biogeosciences*, **2020**, 125, e2020JG005883	3.7	0
1	Stable isotopes provide insight into sources and cycling of N compounds in the Sacramento-San Joaquin Delta, California, USA. *Science of the Total Environment*, **2021**, 151592	10.2	