

Tamara E C Kraus

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,689
citations

393982

19
h-index

414034

32
g-index

40
all docs

40
docs citations

40
times ranked

3722
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties of dissolved organic matter (DOM): Effects of biological and photolytic degradation. <i>Limnology and Oceanography</i> , 2016, 61, 1015-1032.	1.6	622
2	Tannins in nutrient dynamics of forest ecosystems - a review. <i>Plant and Soil</i> , 2003, 256, 41-66.	1.8	591
3	Diurnal variability in riverine dissolved organic matter composition determined by <i>in situ</i> optical measurement in the San Joaquin River (California, USA). <i>Hydrological Processes</i> , 2007, 21, 3181-3189.	1.1	156
4	Linking chemical reactivity and protein precipitation to structural characteristics of foliar tannins. <i>Journal of Chemical Ecology</i> , 2003, 29, 703-730.	0.9	141
5	Carbon and nitrogen dynamics in a forest soil amended with purified tannins from different plant species. <i>Soil Biology and Biochemistry</i> , 2004, 36, 309-321.	4.2	137
6	Seeing the light: The effects of particles, dissolved materials, and temperature on <i>in situ</i> measurements of DOM fluorescence in rivers and streams. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 767-775.	1.0	135
7	Structural stability of coprecipitated natural organic matter and ferric iron under reducing conditions. <i>Organic Geochemistry</i> , 2012, 48, 81-89.	0.9	134
8	Environmental and economic effects of reducing pesticide use in agriculture. <i>Agriculture, Ecosystems and Environment</i> , 1993, 46, 273-288.	2.5	108
9	Removal of inorganic mercury and methylmercury from surface waters following coagulation of dissolved organic matter with metal-based salts. <i>Science of the Total Environment</i> , 2011, 409, 631-637.	3.9	105
10	Assessing the sources and magnitude of diurnal nitrate variability in the San Joaquin River (California) with an <i>in situ</i> optical nitrate sensor and dual nitrate isotopes. <i>Freshwater Biology</i> , 2009, 54, 376-387.	1.2	83
11	Concurrent photolytic degradation of aqueous methylmercury and dissolved organic matter. <i>Science of the Total Environment</i> , 2014, 484, 263-275.	3.9	71
12	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. <i>Organic Geochemistry</i> , 2008, 39, 1302-1318.	0.9	59
13	Determining Sources of Dissolved Organic Carbon and Disinfection Byproduct Precursors to the McKenzie River, Oregon. <i>Journal of Environmental Quality</i> , 2010, 39, 2100-2112.	1.0	45
14	Spatial variability of phytoplankton in a shallow tidal freshwater system reveals complex controls on abundance and community structure. <i>Science of the Total Environment</i> , 2020, 700, 134392.	3.9	37
15	Mineral and Dissolved Organic Nitrogen Dynamics along a Soil Acidity-Fertility Gradient. <i>Soil Science Society of America Journal</i> , 2003, 67, 878.	1.2	28
16	Using Continuous Underway Isotope Measurements To Map Water Residence Time in Hydrodynamically Complex Tidal Environments. <i>Environmental Science & Technology</i> , 2016, 50, 13387-13396.	4.6	27
17	Aluminum- and iron-based coagulation for <i>in-situ</i> removal of dissolved organic carbon, disinfection byproducts, mercury and other constituents from agricultural drain water. <i>Ecological Engineering</i> , 2019, 134, 26-38.	1.6	27
18	Effects of ferric sulfate and polyaluminum chloride coagulation enhanced treatment wetlands on <i>Typha</i> growth, soil and water chemistry. <i>Science of the Total Environment</i> , 2019, 648, 116-124.	3.9	21

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19	Experimental Dosing of Wetlands with Coagulants Removes Mercury from Surface Water and Decreases Mercury Bioaccumulation in Fish. <i>Environmental Science & Technology</i> , 2015, 49, 6304-6311.	4.6	20
20	Wetlands receiving water treated with coagulants improve water quality by removing dissolved organic carbon and disinfection byproduct precursors. <i>Science of the Total Environment</i> , 2018, 622-623, 603-613.	3.9	20
21	Sediment accretion and carbon storage in constructed wetlands receiving water treated with metal-based coagulants. <i>Ecological Engineering</i> , 2018, 111, 176-185.	1.6	19
22	Using Paired In Situ High Frequency Nitrate Measurements to Better Understand Controls on Nitrate Concentrations and Estimate Nitrification Rates in a Wastewater-impacted River. <i>Water Resources Research</i> , 2017, 53, 8423-8442.	1.7	18
23	A river-scale Lagrangian experiment examining controls on phytoplankton dynamics in the presence and absence of treated wastewater effluent high in ammonium. <i>Limnology and Oceanography</i> , 2017, 62, 1234-1253.	1.6	16
24	Mercury sequestration and transformation in chemically enhanced treatment wetlands. <i>Chemosphere</i> , 2019, 217, 496-506.	4.2	8
25	Investigating the Temporal Effects of Metal-Based Coagulants to Remove Mercury from Solution in the Presence of Dissolved Organic Matter. <i>Environmental Management</i> , 2016, 57, 220-228.	1.2	7
26	Use of flow cytometry and stable isotope analysis to determine phytoplankton uptake of wastewater derived ammonium in a nutrient-rich river. <i>Biogeosciences</i> , 2018, 15, 353-367.	1.3	7
27	Ocean connectivity drives trophic support for consumers in an intermittently closed coastal lagoon. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 264, 107665.	0.9	4
28	Sequestration and Transformation in Chemically Enhanced Treatment Wetlands: DOC, DBPPs, and Nutrients. <i>Journal of Environmental Engineering, ASCE</i> , 2019, 145, .	0.7	3
29	Trihalomethane precursors: Land use hot spots, persistence during transport, and management options. <i>Science of the Total Environment</i> , 2020, 742, 140571.	3.9	3
30	Chemically Enhanced Treatment Wetland to Improve Water Quality and Mitigate Land Subsidence in the Sacramento-San Joaquin Delta: Cost and Design Considerations. <i>San Francisco Estuary and Watershed Science</i> , 2019, 17, .	0.2	2
31	Lateral Carbon Exports From Drained Peatlands: An Understudied Carbon Pathway in the Sacramento-San Joaquin Delta, California. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005883.	1.3	1
32	Stable isotopes provide insight into sources and cycling of N compounds in the Sacramento-San Joaquin Delta, California, USA. <i>Science of the Total Environment</i> , 2022, 816, 151592.	3.9	1