

Elizabeth B Kujawinski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1562719/publications.pdf>

Version: 2024-02-01

61
papers

5,837
citations

117625

34
h-index

123424

61
g-index

70
all docs

70
docs citations

70
times ranked

6316
citing authors

#	ARTICLE	IF	CITATIONS
1	Fate of Dispersants Associated with the Deepwater Horizon Oil Spill. <i>Environmental Science & Technology</i> , 2011, 45, 1298-1306.	10.0	771
2	Cryptic carbon and sulfur cycling between surface ocean plankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 453-457.	7.1	348
3	Automated Analysis of Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectra of Natural Organic Matter. <i>Analytical Chemistry</i> , 2006, 78, 4363-4373.	6.5	335
4	The Impact of Microbial Metabolism on Marine Dissolved Organic Matter. <i>Annual Review of Marine Science</i> , 2011, 3, 567-599.	11.6	267
5	Chemical data quantify <i>Deepwater Horizon</i> hydrocarbon flow rate and environmental distribution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20246-20253.	7.1	258
6	Deciphering ocean carbon in a changing world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3143-3151.	7.1	253
7	Probing molecular-level transformations of dissolved organic matter: insights on photochemical degradation and protozoan modification of DOM from electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Marine Chemistry</i> , 2004, 92, 23-37.	2.3	242
8	Identification of possible source markers in marine dissolved organic matter using ultrahigh resolution mass spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4384-4399.	3.9	217
9	Greenland meltwater as a significant and potentially bioavailable source of iron to the ocean. <i>Nature Geoscience</i> , 2013, 6, 274-278.	12.9	216
10	High-Resolution Fourier Transform Ion Cyclotron Resonance Mass Spectrometry of Humic and Fulvic Acids: Improvements and Comparisons. <i>Analytical Chemistry</i> , 2002, 74, 413-419.	6.5	212
11	Identification of Black Carbon Derived Structures in a Volcanic Ash Soil Humic Acid by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Environmental Science & Technology</i> , 2004, 38, 3387-3395.	10.0	209
12	Molecular characterization of dissolved organic matter associated with the Greenland ice sheet. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3768-3784.	3.9	160
13	Formularity: Software for Automated Formula Assignment of Natural and Other Organic Matter from Ultrahigh-Resolution Mass Spectra. <i>Analytical Chemistry</i> , 2017, 89, 12659-12665.	6.5	156
14	Characterization of dissolved organic matter in Lake Superior and its watershed using ultrahigh resolution mass spectrometry. <i>Organic Geochemistry</i> , 2012, 43, 1-11.	1.8	154
15	High resolution electrospray ionization mass spectrometry and 2D solution NMR for the analysis of DOM extracted by C18 solid phase disk. <i>Organic Geochemistry</i> , 2003, 34, 1325-1335.	1.8	141
16	Organic carbon export from the Greenland ice sheet. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 109, 329-344.	3.9	116
17	Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry (ESI FT-ICR) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	113
18	Evidence for quorum sensing and differential metabolite production by a marine bacterium in response to DMSP. <i>ISME Journal</i> , 2016, 10, 2304-2316.	9.8	112

#	ARTICLE	IF	CITATIONS
19	Long-Term Persistence of Dispersants following the Deepwater Horizon Oil Spill. <i>Environmental Science and Technology Letters</i> , 2014, 1, 295-299.	8.7	93
20	Environmental metabolomics: Analytical strategies. <i>Marine Chemistry</i> , 2015, 177, 374-387.	2.3	92
21	Extraction efficiency and quantification of dissolved metabolites in targeted marine metabolomics. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 417-428.	2.0	92
22	Impact of instrument and experiment parameters on reproducibility of ultrahigh resolution ESI FT-ICR mass spectra of natural organic matter. <i>Organic Geochemistry</i> , 2010, 41, 725-733.	1.8	91
23	Release of ecologically relevant metabolites by the cyanobacterium <i>Synechococcus elongatus</i> CCMP 1631. <i>Environmental Microbiology</i> , 2015, 17, 3949-3963.	3.8	83
24	Composition of dissolved organic matter in groundwater. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2752-2761.	3.9	78
25	Resource partitioning of phytoplankton metabolites that support bacterial heterotrophy. <i>ISME Journal</i> , 2021, 15, 762-773.	9.8	77
26	Microbial metabolites in the marine carbon cycle. <i>Nature Microbiology</i> , 2022, 7, 508-523.	13.3	71
27	Environmental metabolomics: Databases and tools for data analysis. <i>Marine Chemistry</i> , 2015, 177, 366-373.	2.3	53
28	The first decade of scientific insights from the Deepwater Horizon oil release. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 237-250.	29.7	52
29	Seasonal evolution of water contributions to discharge from a Greenland outlet glacier: insight from a new isotope-mixing model. <i>Journal of Glaciology</i> , 2011, 57, 929-941.	2.2	50
30	Microbial Community Structure Affects Marine Dissolved Organic Matter Composition. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	46
31	Different carboxyl-rich alicyclic molecules proxy compounds select distinct bacterioplankton for oxidation of dissolved organic matter in the mesopelagic Sargasso Sea. <i>Limnology and Oceanography</i> , 2020, 65, 1532-1553.	3.1	44
32	Continuous Summer Export of Nitrogen-Rich Organic Matter from the Greenland Ice Sheet Inferred by Ultrahigh Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2014, 48, 14248-14257.	10.0	42
33	Using network analysis to discern compositional patterns in ultrahigh-resolution mass spectrometry data of dissolved organic matter. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2388-2394.	1.5	40
34	Chemical Composition and Potential Environmental Impacts of Water-Soluble Polar Crude Oil Components Inferred from ESI FT-ICR MS. <i>PLoS ONE</i> , 2015, 10, e0136376.	2.5	40
35	Metabolite composition of sinking particles differs from surface suspended particles across a latitudinal transect in the South Atlantic. <i>Limnology and Oceanography</i> , 2020, 65, 111-127.	3.1	39
36	Phosphorus availability regulates intracellular nucleotides in marine eukaryotic phytoplankton. <i>Limnology and Oceanography Letters</i> , 2017, 2, 119-129.	3.9	38

#	ARTICLE	IF	CITATIONS
37	AutoTuner: High Fidelity and Robust Parameter Selection for Metabolomics Data Processing. <i>Analytical Chemistry</i> , 2020, 92, 5724-5732.	6.5	37
38	Dissolved organic matter produced by <i>Thalassiosira pseudonana</i> . <i>Marine Chemistry</i> , 2015, 168, 114-123.	2.3	35
39	Sponge exhalent seawater contains a unique chemical profile of dissolved organic matter. <i>PeerJ</i> , 2017, 5, e2870.	2.0	35
40	Measuring Free, Conjugated, and Halogenated Estrogens in Secondary Treated Wastewater Effluent. <i>Environmental Science & Technology</i> , 2014, 48, 2569-2578.	10.0	31
41	Mining mass spectrometry data: Using new computational tools to find novel organic compounds in complex environmental mixtures. <i>Organic Geochemistry</i> , 2017, 110, 92-99.	1.8	29
42	Dissolved organic carbon compounds in deep-sea hydrothermal vent fluids from the East Pacific Rise at 9°50'N. <i>Organic Geochemistry</i> , 2018, 125, 41-49.	1.8	29
43	Targeted metabolomics reveals proline as a major osmolyte in the chemolithoautotroph <i>Sulfurimonas denitrificans</i> . <i>MicrobiologyOpen</i> , 2018, 7, e00586.	3.0	28
44	Protist Community Grazing on Prokaryotic Prey in Deep Ocean Water Masses. <i>PLoS ONE</i> , 2015, 10, e0124505.	2.5	23
45	Migratory Zooplankton Excreta and Its Influence on Prokaryotic Communities. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	23
46	Molecular signature of organic nitrogen in septic-impacted groundwater. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2400-2407.	3.5	18
47	Quantification of Amine- and Alcohol-Containing Metabolites in Saline Samples Using Pre-extraction Benzoyl Chloride Derivatization and Ultrahigh Performance Liquid Chromatography Tandem Mass Spectrometry (UHPLC MS/MS). <i>Analytical Chemistry</i> , 2021, 93, 4809-4817.	6.5	17
48	Metabolomics as an Emerging Tool in the Search for Astrobiologically Relevant Biomarkers. <i>Astrobiology</i> , 2020, 20, 1251-1261.	3.0	16
49	Extracellular Reef Metabolites Across the Protected Jardines de la Reina, Cuba Reef System. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	14
50	Steroidal estrogen sources in a sewage-impacted coastal ocean. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 981-991.	3.5	13
51	Advances in Chemical Analysis of Oil Spills Since the Deepwater Horizon Disaster. <i>Critical Reviews in Analytical Chemistry</i> , 2023, 53, 1638-1697.	3.5	13
52	Organic sulfur: A spatially variable and understudied component of marine organic matter. <i>Limnology and Oceanography Letters</i> , 2020, 5, 305-312.	3.9	10
53	Linkages Among Dissolved Organic Matter Export, Dissolved Metabolites, and Associated Microbial Community Structure Response in the Northwestern Sargasso Sea on a Seasonal Scale. <i>Frontiers in Microbiology</i> , 2022, 13, 833252.	3.5	10
54	Using Stable Isotope Probing to Characterize Differences Between Free-Living and Sediment-Associated Microorganisms in the Subsurface. <i>Geomicrobiology Journal</i> , 2013, 30, 362-370.	2.0	7

#	ARTICLE	IF	CITATIONS
55	Hepatic metabolite profiling of polychlorinated biphenyl (PCB)-resistant and sensitive populations of Atlantic killifish (<i>Fundulus heteroclitus</i>). <i>Aquatic Toxicology</i> , 2018, 205, 114-122.	4.0	7
56	Analysis of 39 drugs and metabolites, including 8 glucuronide conjugates, in an upstream wastewater network via HPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1176, 122747.	2.3	6
57	The power of glacial microbes. <i>Nature Geoscience</i> , 2017, 10, 329-330.	12.9	5
58	Probing the Chemical Transformation of Seawater-Soluble Crude Oil Components during Microbial Oxidation. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 690-701.	2.7	5
59	Intracellular Metabolites in Marine Microorganisms during an Experiment Evaluating Microbial Mortality. <i>Metabolites</i> , 2020, 10, 105.	2.9	5
60	Pathway-Centric Analysis of Microbial Metabolic Potential and Expression Along Nutrient and Energy Gradients in the Western Atlantic Ocean. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	1
61	High-Resolution Mass Spectrometry. <i>Encyclopedia of Earth Sciences Series</i> , 2017, , 1-5.	0.1	0