Jessica Fitzsimmons

List of Publications by Year
in descending order

45	2,574	186209 28	223716 46
papers	citations	h-index	g-index

46	46	46	2645
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Major processes of the dissolved cobalt cycle in the North and equatorial Pacific Ocean. Biogeosciences, 2022, 19, 2365-2395.	1.3	9
2	A Refinement of the Processes Controlling Dissolved Copper and Nickel Biogeochemistry: Insights From the Panâ€Arctic. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	3
3	Lead geochemistry of sediments in Galveston Bay, Texas. Environmental Advances, 2021, 4, 100057.	2.2	1
4	Biogeochemical Cycling of Colloidal Trace Metals in the Arctic Cryosphere. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017394.	1.0	8
5	A time-series of heavy metal geochemistry in sediments of Galveston Bay estuary, Texas, 2017-2019. Science of the Total Environment, 2021, 806, 150446.	3.9	8
6	Iron Isotope Biogeochemical Cycling in the Western Arctic Ocean. Global Biogeochemical Cycles, 2021, 35, e2021GB006977.	1.9	6
7	Testing the Canyon Hypothesis: Evaluating light and nutrient controls of phytoplankton growth in penguin foraging hotspots along the West Antarctic Peninsula. Limnology and Oceanography, 2020, 65, 455-470.	1.6	14
8	Diagnostic Morphology and Solid-State Chemical Speciation of Hydrothermally Derived Particulate Fe in a Long-Range Dispersing Plume. ACS Earth and Space Chemistry, 2020, 4, 1831-1842.	1.2	7
9	A comparison of marine Fe and Mn cycling: U.S. GEOTRACES GN01 Western Arctic case study. Geochimica Et Cosmochimica Acta, 2020, 288, 138-160.	1.6	36
10	A Lagrangian View of Trace Elements and Isotopes in the North Pacific. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015862.	1.0	2
11	Assessment of the stability, sorption, and exchangeability of marine dissolved and colloidal metals. Marine Chemistry, 2020, 220, 103754.	0.9	27
12	The Transpolar Drift as a Source of Riverine and Shelfâ€Derived Trace Elements to the Central Arctic Ocean. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015920.	1.0	80
13	Sources, fluxes and residence times of trace elements measured during the U.S. GEOTRACES East Pacific Zonal Transect. Marine Chemistry, 2020, 222, 103781.	0.9	15
14	Dissolved cadmium and cadmium stable isotopes in the western Arctic Ocean. Geochimica Et Cosmochimica Acta, 2019, 258, 258-273.	1.6	22
15	Biogeochemical Cycling of Dissolved Zinc in the Western Arctic (Arctic GEOTRACES GN01). Global Biogeochemical Cycles, 2019, 33, 343-369.	1.9	22
16	Patterns of iron and siderophore distributions across the California Current System. Limnology and Oceanography, 2019, 64, 376-389.	1.6	41
17	The residence times of trace elements determined in the surface Arctic Ocean during the 2015 US Arctic GEOTRACES expedition. Marine Chemistry, 2019, 208, 56-69.	0.9	34
18	Near-field iron and carbon chemistry of non-buoyant hydrothermal plume particles, Southern East Pacific Rise 15Â°S. Marine Chemistry, 2018, 201, 183-197.	0.9	27

#	Article	IF	Citations
19	The biogeochemical cycling of iron, copper, nickel, cadmium, manganese, cobalt, lead, and scandium in a California Current experimental study. Limnology and Oceanography, 2018, 63, S425.	1.6	17
20	The GEOTRACES Intermediate Data Product 2017. Chemical Geology, 2018, 493, 210-223.	1.4	257
21	A â€˜shallow bathtub ringâ€™ of local sedimentary iron input maintains the Palmer Deep biological hotspot on the West Antarctic Peninsula shelf. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170171.	1.6	52
22	Dissolved and particulate trace elements in late summer Arctic melt ponds. Marine Chemistry, 2018, 204, 70-85.	0.9	28
23	Iron persistence in a distal hydrothermal plume supported by dissolvedâ€“particulate exchange. Nature Geoscience, 2017, 10, 195-201.	5.4	204
24	Controls on dissolved and particulate iron distributions in surface waters of the Western Antarctic Peninsula shelf. Marine Chemistry, 2017, 196, 81-97.	0.9	60
25	Arctic Deep Water Ferromanganeseâ€Oxide Deposits Reflect the Unique Characteristics of the Arctic Ocean. Geochemistry, Geophysics, Geosystems, 2017, 18, 3771-3800.	1.0	41
26	Coordinated regulation of growth, activity and transcription in natural populations of the unicellular nitrogen-fixing cyanobacterium Crocosphaera. Nature Microbiology, 2017, 2, 17118.	5.9	122
27	Elevated trace metal content of prokaryotic communities associated with marine oxygen deficient zones. Limnology and Oceanography, 2017, 62, 3-25.	1.6	74
28	Siderophore-based microbial adaptations to iron scarcity across the eastern Pacific Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14237-14242.	3.3	179
29	Dissolved iron and iron isotopes in the southeastern Pacific Ocean. Global Biogeochemical Cycles, 2016, 30, 1372-1395.	1.9	41
30	Hawaiian imprint on dissolved Nd and Ra isotopes and rare earth elements in the central North Pacific: Local survey and seasonal variability. Geochimica Et Cosmochimica Acta, 2016, 189, 110-131.	1.6	53
31	Shortâ€term variability in euphotic zone biogeochemistry and primary productivity at Station ALOHA: A case study of summer 2012. Global Biogeochemical Cycles, 2015, 29, 1145-1164.	1.9	22
32	The composition of dissolved iron in the dusty surface ocean: An exploration using size-fractionated iron-binding ligands. Marine Chemistry, 2015, 173, 125-135.	0.9	43
33	Partitioning of dissolved iron and iron isotopes into soluble and colloidal phases along the GA03 GEOTRACES North Atlantic Transect. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 116, 130-151.	0.6	95
34	An overview of dissolved Fe and Mn distributions during the 2010â€“2011 U.S. GEOTRACES north Atlantic cruises: GEOTRACES GA03. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 116, 117-129.	0.6	110
35	Dissolved Al in the zonal N Atlantic section of the US GEOTRACES 2010/2011 cruises and the importance of hydrothermal inputs. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 116, 176-186.	0.6	51
36	Thorium isotopes tracing the iron cycle at the Hawaii Ocean Time-series Station ALOHA. Geochimica Et Cosmochimica Acta, 2015, 169, 1-16.	1.6	55

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37	Daily to decadal variability of size-fractionated iron and iron-binding ligands at the Hawaii Ocean Time-series Station ALOHA. Geochimica Et Cosmochimica Acta, 2015, 171, 303-324.	1.6	63
38	Assessment and comparison of Anopore and cross flow filtration methods for the determination of dissolved iron size fractionation into soluble and colloidal phases in seawater. Limnology and Oceanography: Methods, 2014, 12, 246-263.	1.0	28
39	Distal transport of dissolved hydrothermal iron in the deep South Pacific Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16654-16661.	3.3	134
40	Both soluble and colloidal iron phases control dissolved iron variability in the tropical North Atlantic Ocean. Geochimica Et Cosmochimica Acta, 2014, 125, 539-550.	1.6	45
41	Dissolved iron in the tropical North Atlantic Ocean. Marine Chemistry, 2013, 154, 87-99.	0.9	50
42	Detection of Iron Ligands in Seawater and Marine Cyanobacteria Cultures by High-Performance Liquid Chromatographyâ€“Inductively Coupled Plasma-Mass Spectrometry. Analytical Chemistry, 2013, 85, 4357-4362.	3.2	75
43	An intercalibration between the GEOTRACES GOâ€FLO and the MITESS/Vanes sampling systems for dissolved iron concentration analyses (and a closer look at adsorption effects). Limnology and Oceanography: Methods, 2012, 10, 437-450.	1.0	29
44	Analysis of trace metals (Cu, Cd, Pb, and Fe) in seawater using single batch nitrilotriacetate resin extraction and isotope dilution inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2011, 686, 93-101.	2.6	120
45	Tactical Release of a Sexually-Selected Pheromone in a Swordtail Fish. PLoS ONE, 2011, 6, e16994.	1.1	38