

Kristin J Orians

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,252
citations

257450

24
h-index

345221

36
g-index

37
all docs

37
docs citations

37
times ranked

2018
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive trace metals in the stratified central North Pacific. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3171-3182.	3.9	352
2	The biogeochemistry of aluminum in the Pacific Ocean. <i>Earth and Planetary Science Letters</i> , 1986, 78, 397-410.	4.4	260
3	Evaluation of zinc, cadmium and lead isotope fractionation during smelting and refining. <i>Science of the Total Environment</i> , 2010, 408, 2357-2368.	8.0	192
4	In vitro iron enrichment experiments in the NE subarctic Pacific. <i>Marine Ecology - Progress Series</i> , 1996, 136, 179-193.	1.9	159
5	Dissolved aluminium in the central North Pacific. <i>Nature</i> , 1985, 316, 427-429.	27.8	141
6	Dissolved titanium in the open ocean. <i>Nature</i> , 1990, 348, 322-325.	27.8	96
7	Determination of picomolar concentrations of titanium, gallium and indium in sea water by inductively coupled plasma mass spectrometry following an 8-hydroxyquinoline chelating resin preconcentration. <i>Analytica Chimica Acta</i> , 1993, 282, 63-74.	5.4	91
8	Matrix effects on the multi-collector inductively coupled plasma mass spectrometric analysis of high-precision cadmium and zinc isotope ratios. <i>Analytica Chimica Acta</i> , 2009, 633, 29-37.	5.4	75
9	Tracing cadmium, zinc and lead sources in bivalves from the coasts of western Canada and the USA using isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 76, 175-190.	3.9	75
10	Determination of Dissolved Metal Species by Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 1998, 70, 2225-2235.	6.5	72
11	Seagoing method for the determination of chromium(III) and total chromium in sea water by electron-capture detection gas chromatography. <i>Analytica Chimica Acta</i> , 1993, 271, 1-9.	5.4	65
12	The marine geochemistry of dissolved gallium: A comparison with dissolved aluminum. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 2955-2962.	3.9	61
13	Characterization of dissolved tannins and their metal-ion complexes by electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2000, 411, 91-102.	5.4	51
14	Dissolved zirconium in the North Pacific Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 3801-3805.	3.9	48
15	The inorganic carbon system in the coastal upwelling region west of Vancouver Island, Canada. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2003, 50, 1023-1042.	1.4	48
16	The determination of dissolved zirconium and hafnium from seawater using isotope dilution inductively coupled plasma mass spectrometry. <i>Marine Chemistry</i> , 1998, 60, 245-255.	2.3	46
17	Determining provenance of marine metal pollution in French bivalves using Cd, Zn and Pb isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 155-167.	3.9	42
18	Dissolved gallium in the open ocean. <i>Nature</i> , 1988, 332, 717-719.	27.8	41

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19	Role of dissolved and particulate cadmium in the accumulation of cadmium in cultured oysters (<i>Crassostrea gigas</i>). <i>Science of the Total Environment</i> , 2008, 393, 309-325.	8.0	39
20	Characterization of copper-complexing ligands in seawater using immobilized copper(II)-ion affinity chromatography and electrospray ionization mass spectrometry. <i>Marine Chemistry</i> , 2003, 83, 47-58.	2.3	34
21	Dissolved copper (dCu) biogeochemical cycling in the subarctic Northeast Pacific and a call for improving methodologies. <i>Marine Chemistry</i> , 2017, 196, 47-61.	2.3	31
22	Dissolved iron and manganese in the Canadian Arctic Ocean: On the biogeochemical processes controlling their distributions. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 150-174.	3.9	31
23	Trace metal geochemistry of remote rivers in the Canadian Arctic Archipelago. <i>Chemical Geology</i> , 2019, 525, 479-491.	3.3	27
24	Natural Cd and Pb variations in <i>Mytilus californianus</i> during the upwelling season. <i>Science of the Total Environment</i> , 1997, 197, 177-195.	8.0	25
25	Cyanobacterial copper-binding ligands isolated from artificial seawater cultures. <i>Marine Chemistry</i> , 2008, 110, 28-41.	2.3	24
26	Calculation of river-seawater endmembers and differential trace metal scavenging in the Columbia River plume. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 99, 31-41.	2.1	21
27	Dissolved gallium in the Beaufort Sea of the Western Arctic Ocean: A GEOTRACES cruise in the International Polar Year. <i>Marine Chemistry</i> , 2015, 177, 101-109.	2.3	21
28	Electrospray ionization of alkali and alkaline earth metal species. <i>Electrochemical oxidation and pH effects</i> . <i>Journal of Mass Spectrometry</i> , 2000, 35, 981-989.	1.6	15
29	Tracing Dissolved Lead Sources in the Canadian Arctic: Insights from the Canadian GEOTRACES Program. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1302-1314.	2.7	15
30	Distribution of zirconium, hafnium, niobium and tantalum in the North Atlantic Ocean, northeastern Indian Ocean and its adjacent seas. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 140, 128-135.	1.4	11
31	Canadian Arctic Archipelago Shelf-Ocean Interactions: A Major Iron Source to Pacific Derived Waters Transiting to the Atlantic. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB007058.	4.9	11
32	The distribution of dissolved and total dissolvable aluminum in the Beaufort Sea and Canada Basin region of the Arctic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6824-6837.	2.6	9
33	Anthropogenic lead pervasive in Canadian Arctic seawater. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
34	Annual variability of dissolved manganese in Northeast Pacific along Line-P: 2010-2013. <i>Marine Chemistry</i> , 2019, 216, 103702.	2.3	7
35	The role of phytoplankton in the modulation of dissolved and oyster cadmium concentrations in Deep Bay, British Columbia, Canada. <i>Science of the Total Environment</i> , 2011, 409, 4415-4424.	8.0	6
36	Determination of copper complexation in freshwaters of west Canadian lakes by electrochemical analysis. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2006, 29, 1481-1486.	0.1	1