

# Kristin J Orians

## List of Publications by Year in descending order

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36  
papers

2,252  
citations

257429

24  
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345203

36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2018  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anthropogenic lead pervasive in Canadian Arctic seawater. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
2	Canadian Arctic Archipelago Shelf-Ocean Interactions: A Major Iron Source to Pacific Derived Waters Transiting to the Atlantic. Global Biogeochemical Cycles, 2021, 35, e2021GB007058.	4.9	11
3	Dissolved iron and manganese in the Canadian Arctic Ocean: On the biogeochemical processes controlling their distributions. Geochimica Et Cosmochimica Acta, 2020, 277, 150-174.	3.9	31
4	Annual variability of dissolved manganese in Northeast Pacific along Line-P: 2010-2013. Marine Chemistry, 2019, 216, 103702.	2.3	7
5	Trace metal geochemistry of remote rivers in the Canadian Arctic Archipelago. Chemical Geology, 2019, 525, 479-491.	3.3	27
6	Tracing Dissolved Lead Sources in the Canadian Arctic: Insights from the Canadian GEOTRACES Program. ACS Earth and Space Chemistry, 2019, 3, 1302-1314.	2.7	15
7	Distribution of zirconium, hafnium, niobium and tantalum in the North Atlantic Ocean, northeastern Indian Ocean and its adjacent seas. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 140, 128-135.	1.4	11
8	Dissolved copper (dCu) biogeochemical cycling in the subarctic Northeast Pacific and a call for improving methodologies. Marine Chemistry, 2017, 196, 47-61.	2.3	31
9	Dissolved gallium in the Beaufort Sea of the Western Arctic Ocean: A GEOTRACES cruise in the International Polar Year. Marine Chemistry, 2015, 177, 101-109.	2.3	21
10	Determining provenance of marine metal pollution in French bivalves using Cd, Zn and Pb isotopes. Geochimica Et Cosmochimica Acta, 2013, 121, 155-167.	3.9	42
11	The distribution of dissolved and total dissolvable aluminum in the Beaufort Sea and Canada Basin region of the Arctic Ocean. Journal of Geophysical Research: Oceans, 2013, 118, 6824-6837.	2.6	9
12	Tracing cadmium, zinc and lead sources in bivalves from the coasts of western Canada and the USA using isotopes. Geochimica Et Cosmochimica Acta, 2012, 76, 175-190.	3.9	75
13	Calculation of river-seawater endmembers and differential trace metal scavenging in the Columbia River plume. Estuarine, Coastal and Shelf Science, 2012, 99, 31-41.	2.1	21
14	The role of phytoplankton in the modulation of dissolved and oyster cadmium concentrations in Deep Bay, British Columbia, Canada. Science of the Total Environment, 2011, 409, 4415-4424.	8.0	6
15	Evaluation of zinc, cadmium and lead isotope fractionation during smelting and refining. Science of the Total Environment, 2010, 408, 2357-2368.	8.0	192
16	Matrix effects on the multi-collector inductively coupled plasma mass spectrometric analysis of high-precision cadmium and zinc isotope ratios. Analytica Chimica Acta, 2009, 633, 29-37.	5.4	75
17	Cyanobacterial copper-binding ligands isolated from artificial seawater cultures. Marine Chemistry, 2008, 110, 28-41.	2.3	24
18	Role of dissolved and particulate cadmium in the accumulation of cadmium in cultured oysters (Crassostrea gigas). Science of the Total Environment, 2008, 393, 309-325.	8.0	39

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19	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
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	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
22	Electrospray ionization of alkali and alkaline earth metal species. Electrochemical oxidation and pH effects. <i>Journal of Mass Spectrometry</i> , 2000, 35, 981-989.	1.6	15
23	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
24	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
25	Determination of Dissolved Metal Species by Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 1998, 70, 2225-2235.	6.5	72
26	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
27	In vitro iron enrichment experiments in the NE subarctic Pacific. <i>Marine Ecology - Progress Series</i> , 1996, 136, 179-193.	1.9	159
28	Reactive trace metals in the stratified central North Pacific. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3171-3182.	3.9	352
29	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
30	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
31	Dissolved zirconium in the North Pacific Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 3801-3805.	3.9	48
32	Dissolved titanium in the open ocean. <i>Nature</i> , 1990, 348, 322-325.	27.8	96
33	Dissolved gallium in the open ocean. <i>Nature</i> , 1988, 332, 717-719.	27.8	41
34	The marine geochemistry of dissolved gallium: A comparison with dissolved aluminum. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 2955-2962.	3.9	61
35	The biogeochemistry of aluminum in the Pacific Ocean. <i>Earth and Planetary Science Letters</i> , 1986, 78, 397-410.	4.4	260
36	Dissolved aluminium in the central North Pacific. <i>Nature</i> , 1985, 316, 427-429.	27.8	141