Laodong Guo

List of Publications by Year
in descending order

194 papers	11,469 citations	20817 60 h-index	38395 95 g-index
195 all docs	195 docs citations	195 times ranked	8878 citing authors

#	Article	IF	Citations
1	Sensitivity of the carbon cycle in the Arctic to climate change. Ecological Monographs, 2009, 79, 523-555.	5.4	814
2	An assessment of particulate organic carbon to thorium-234 ratios in the ocean and their impact on the application of 234Th as a POC flux proxy. Marine Chemistry, 2006, 100, 213-233.	2.3	245
3	Source and transport of terrigenous organic matter in the upper Yukon River: Evidence from isotope (Î´13C, Î”14C, and Î´15N) composition of dissolved, colloidal, and particulate phases. Global Biogeochemical Cycles, 2006, 20, n/a-n/a.	4.9	244
4	Mobilization pathways of organic carbon from permafrost to arctic rivers in a changing climate. Geophysical Research Letters, 2007, 34, .	4.0	222
5	Characterization of subsurface polycyclic aromatic hydrocarbons at the Deepwater Horizon site. Geophysical Research Letters, 2010, 37, .	4.0	217
6	The distribution of colloidal and dissolved organic carbon in the Gulf of Mexico. Marine Chemistry, 1994, 45, 105-119.	2.3	211
7	Dynamics of dissolved organic carbon (DOC) in oceanic environments. Limnology and Oceanography, 1995, 40, 1392-1403.	3.1	209
8	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. Environmental Research Letters, 2016, 11, 034014.	5.2	199
9	Molecular size-dependent abundance and composition of dissolved organic matter in river, lake and sea waters. Water Research, 2017, 117, 115-126.	11.3	187
10	A critical evaluation of the cross-flow ultrafiltration technique for sampling colloidal organic carbon in seawater. Marine Chemistry, 1996, 55, 113-127.	2.3	182
11	Isotopic evidence for the contemporary origin of high-molecular weight organic matter in oceanic environments. Geochimica Et Cosmochimica Acta, 1995, 59, 625-631.	3.9	175
12	Fibrillar polysaccharides in marine macromolecular organic matter as imaged by atomic force microscopy and transmission electron microscopy. Limnology and Oceanography, 1998, 43, 896-908.	3.1	169
13	Size and composition of colloidal organic matter and trace elements in the Mississippi River, Pearl River and the northern Gulf of Mexico, as characterized by flow field-flow fractionation. Marine Chemistry, 2010, 118, 119-128.	2.3	169
14	Importance of acid polysaccharides for ²³⁴Th complexation to marine organic matter. Limnology and Oceanography, 2002, 47, 367-377.	3.1	166
15	Characterization of Siberian Arctic coastal sediments: Implications for terrestrial organic carbon export. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	4.9	166
16	Composition and cycling of colloids in marine environments. Reviews of Geophysics, 1997, 35, 17-40.	23.0	146
17	Thorium speciation in seawater. Marine Chemistry, 2006, 100, 250-268.	2.3	142
18	Re-examination of cross-flow ultrafiltration for sampling aquatic colloids: evidence from molecular probes. Marine Chemistry, 2000, 69, 75-90.	2.3	139

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19	Isotopic and elemental characterization of colloidal organic matter from the Chesapeake Bay and Galveston Bay. Marine Chemistry, 1997, 59, 1-15.	2.3	128
20	Cycling of highâ€molecularâ€weight dissolved organic matter in the Middle Atlantic Bight as revealed by carbon isotopic (¹³C and ¹⁴C) signatures. Limnology and Oceanography, 1996, 41, 1242-1252.	3.1	122
21	Characterization of oil components from the Deepwater Horizon oil spill in the Gulf of Mexico using fluorescence EEM and PARAFAC techniques. Marine Chemistry, 2013, 148, 10-21.	2.3	120
22	Abundance, size distributions and trace-element binding of organic and iron-rich nanocolloids in Alaskan rivers, as revealed by field-flow fractionation and ICP-MS. Geochimica Et Cosmochimica Acta, 2013, 105, 221-239.	3.9	115
23	Organic Nature of Colloidal Actinides Transported in Surface Water Environments. Environmental Science & Technology, 2002, 36, 3711-3719.	10.0	111
24	Distributions of carbohydrate species in the Gulf of Mexico. Marine Chemistry, 2003, 81, 119-135.	2.3	110
25	234Th scavenging and its relationship to acid polysaccharide abundance in the Gulf of Mexico. Marine Chemistry, 2002, 78, 103-119.	2.3	105
26	Nutrients and particulate organic matter discharged by the Changjiang (Yangtze River): Seasonal variations and temporal trends. Journal of Geophysical Research, 2012, 117, .	3.3	101
27	Variations in Colloidal DOM Composition with Molecular Weight within Individual Water Samples as Characterized by Flow Field-Flow Fractionation and EEM-PARAFAC Analysis. Environmental Science & Technology, 2020, 54, 1657-1667.	10.0	100
28	Intriguing changes in molecular size and composition of dissolved organic matter induced by microbial degradation and self-assembly. Water Research, 2018, 135, 187-194.	11.3	93
29	Control of acid polysaccharide production and234Th and POC export fluxes by marine organisms. Geophysical Research Letters, 2003, 30, .	4.0	91
30	Sources and export fluxes of inorganic and organic carbon and nutrient species from the seasonally ice-covered Yukon River. Biogeochemistry, 2012, 107, 187-206.	3.5	91
31	Speciation and fluxes of nutrients (N, P, Si) from the upper Yukon River. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	4.9	88
32	Trace metal composition of colloidal organic material in marine environments. Marine Chemistry, 2000, 70, 257-275.	2.3	86
33	Marine diatom uptake of iron bound with natural colloids of different origins. Marine Chemistry, 2003, 81, 177-189.	2.3	86
34	Sources and transport of land-derived particulate and dissolved organic matter in the Gulf of Mexico (Texas shelf/slope): The use of ligninphenols and loliolides as biomarkers. Organic Geochemistry, 1997, 27, 65-78.	1.8	84
35	Soil carbon and material fluxes across the eroding Alaska Beaufort Sea coastline. Journal of Geophysical Research, 2011, 116, .	3.3	84
36	Boundary exchange and scavenging of radionuclides in continental margin waters of the Middle Atlantic Bight: implications for organic carbon fluxes. Continental Shelf Research, 1999, 19, 609-636.	1.8	81

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37	Ultrafiltration behavior of major ions (Na, Ca, Mg, F, Cl, and SO4) in natural waters. Water Research, 2001, 35, 1500-1508.	11.3	81
38	Distributions and characteristics of colored dissolved organic matter in the Western Arctic Ocean. Continental Shelf Research, 2005, 25, 1195-1207.	1.8	81
39	Effect of Dissolved Organic Matter on the Uptake of Trace Metals by American Oysters. Environmental Science & Technology, 2001, 35, 885-893.	10.0	79
40	Edaphic Conditions Regulate Denitrification Directly and Indirectly by Altering Denitrifier Abundance in Wetlands along the Han River, China. Environmental Science & Technology, 2017, 51, 5483-5491.	10.0	79
41	Distribution of dissolved and particulate230Th and232Th in seawater from the Gulf of Mexico and off Cape Hatteras as measured by SIMS. Earth and Planetary Science Letters, 1995, 133, 117-128.	4.4	77
42	Spatiotemporal variations in the abundance and composition of bulk and chromophoric dissolved organic matter in seasonally hypoxia-influenced Green Bay, Lake Michigan, USA. Science of the Total Environment, 2016, 565, 742-757.	8.0	75
43	Panâ€Arctic patterns in black carbon sources and fluvial discharges deduced from radiocarbon and PAH source apportionment markers in estuarine surface sediments. Global Biogeochemical Cycles, 2008, 22, .	4.9	74
44	Abundance, stable isotopic composition, and export fluxes of DOC, POC, and DIC from the Lower Mississippi River during 2006â€“2008. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2273-2288.	3.0	74
45	Dissolved organic matter binding with Pb(II) as characterized by differential spectra and 2D UVâ€“FTIR heterospectral correlation analysis. Water Research, 2018, 144, 435-443.	11.3	73
46	Chemical Characteristics and Origin of Dissolved Organic Matter in the Yukon River. Biogeochemistry, 2006, 77, 139-155.	3.5	72
47	Binding and transport of rare earth elements by organic and iron-rich nanocolloids in Alaskan rivers, as revealed by field-flow fractionation and ICP-MS. Geochimica Et Cosmochimica Acta, 2013, 106, 446-462.	3.9	72
48	Contrasting effects of photochemical and microbial degradation on Cu(II) binding with fluorescent DOM from different origins. Environmental Pollution, 2018, 239, 205-214.	7.5	70
49	Influences of Natural Colloids on Metal Bioavailability to Two Marine Bivalves. Environmental Science & Technology, 2000, 34, 4571-4576.	10.0	69
50	Sediment denitrification in Yangtze lakes is mainly influenced by environmental conditions but not biological communities. Science of the Total Environment, 2018, 616-617, 978-987.	8.0	69
51	Occurrence of microplastics in commercial marine dried fish in Asian countries. Journal of Hazardous Materials, 2022, 423, 127093.	12.4	69
52	Sorption irreversibility and coagulation behavior of 234Th with marine organic matter. Marine Chemistry, 2001, 76, 27-45.	2.3	68
53	Deepwater Horizon Oil in Gulf of Mexico Waters after 2 Years: Transformation into the Dissolved Organic Matter Pool. Environmental Science & Technology, 2014, 48, 9288-9297.	10.0	65
54	Dynamics of dissolved and particulate phosphorus influenced by seasonal hypoxia in Green Bay, Lake Michigan. Science of the Total Environment, 2016, 541, 1070-1082.	8.0	65

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55	Interactions of thorium isotopes with colloidal organic matter in oceanic environments. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1997, 120, 255-271.	4.7	64
56	234 Th: 238 U disequilibria in the Gulf of Mexico: the importance of organic matter and particle concentration. Continental Shelf Research, 1996, 16, 353-380.	1.8	63
57	Phase partitioning and solubility of iron in natural seawater controlled by dissolved organic matter. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	4.9	63
58	Speciation and transformation of phosphorus and its mixing behavior in the Bay of St. Louis estuary in the northern Gulf of Mexico. Geochimica Et Cosmochimica Acta, 2012, 87, 283-298.	3.9	63
59	Distribution, sources, and decomposition of soil organic matter along a salinity gradient in estuarine wetlands characterized by C:N ratio, Î´¹³Câ€Î´¹⁵N, and lignin biomarker. Global Change Biology, 2021, 27, 417-434.	9.5	63
60	Heterogeneity of natural organic matter from the Chena River, Alaska. Water Research, 2003, 37, 1015-1022.	11.3	62
61	Chemical and isotopic composition of high-molecular-weight dissolved organic matter from the Mississippi River plume. Marine Chemistry, 2009, 114, 63-71.	2.3	62
62	Spartina alterniflora invasion controls organic carbon stocks in coastal marsh and mangrove soils across tropics and subtropics. Global Change Biology, 2021, 27, 1627-1644.	9.5	62
63	Abundance and Chemical Speciation of Phosphorus in Sediments of the Mackenzie River Delta, the Chukchi Sea and the Bering Sea: Importance of Detrital Apatite. Aquatic Geochemistry, 2010, 16, 353-371.	1.3	61
64	Colored dissolved organic matter dynamics across the shelf-basin interface in the western Arctic Ocean. Journal of Geophysical Research, 2007, 112, .	3.3	60
65	Abundance and variation of colloidal organic phosphorus in riverine, estuarine, and coastal waters in the northern Gulf of Mexico. Limnology and Oceanography, 2009, 54, 1393-1402.	3.1	60
66	Terrestrially derived dissolved organic matter in the chesapeake bay and the middle atlantic bight. Geochimica Et Cosmochimica Acta, 2000, 64, 3547-3557.	3.9	59
67	Distributions of nutrients, dissolved organic carbon and carbohydrates in the western Arctic Ocean. Continental Shelf Research, 2006, 26, 1654-1667.	1.8	59
68	Ultrafiltration and its Applications to Sampling and Characterisation of Aquatic Colloids. , 2007, , 159-221.		59
69	Depth-dependent variations of sedimentary dissolved organic matter composition in a eutrophic lake: Implications for lake restoration. Chemosphere, 2016, 145, 551-559.	8.2	59
70	Temporal variations in organic carbon species and fluxes from the Chena River, Alaska. Limnology and Oceanography, 2008, 53, 1408-1419.	3.1	58
71	Characterization, origin and aggregation behavior of colloids in eutrophic shallow lake. Water Research, 2018, 142, 176-186.	11.3	58
72	Accumulation rates and sources of sediments and organic carbon on the Palos Verdes shelf based on radioisotopic tracers (137Cs, 239,240Pu, 210Pb, 234Th, 238U and 14C). Marine Chemistry, 2001, 73, 125-152.	2.3	57

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73	Distributions, speciation and stable isotope composition of organic matter in the southeastern Bering Sea. Marine Chemistry, 2004, 91, 211-226.	2.3	57
74	Optical properties of low molecular weight and colloidal organic matter: Application of the ultrafiltration permeation model to DOM absorption and fluorescence. Marine Chemistry, 2006, 98, 183-196.	2.3	57
75	Chemical and isotopic characterization of sizeâ€fractionated organic matter from cryoturbated tundra soils, northern Alaska. Journal of Geophysical Research, 2009, 114, .	3.3	57
76	Characterization of bulk and chromophoric dissolved organic matter in the Laurentian Great Lakes during summer 2013. Journal of Great Lakes Research, 2016, 42, 789-801.	1.9	57
77	Colloidal size spectra, composition and estuarine mixing behavior of DOM in river and estuarine waters of the northern Gulf of Mexico. Geochimica Et Cosmochimica Acta, 2016, 181, 1-17.	3.9	57
78	Zinc oxide nanoparticle toxicity in embryonic zebrafish: Mitigation with different natural organic matter. Environmental Pollution, 2017, 230, 1125-1140.	7.5	57
79	Hydrogeochemistry of seasonal flow regimes in the Chena River, a subarctic watershed draining discontinuous permafrost in interior Alaska (USA). Chemical Geology, 2013, 335, 48-62.	3.3	53
80	Stable isotope ratios of carbon and nitrogen in suspended organic matter: Seasonal and spatial dynamics along the Changjiang (Yangtze River) transport pathway. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1717-1737.	3.0	53
81	Bridging Food Webs, Ecosystem Metabolism, and Biogeochemistry Using Ecological Stoichiometry Theory. Frontiers in Microbiology, 2017, 8, 1298.	3.5	53
82	New production based on 228Ra-derived nutrient budgets and thorium-estimated POC export at the intercalibration station in the South China Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 53-66.	1.4	52
83	Colloidal size distribution of humic- and protein-like fluorescent organic matter in the northern Gulf of Mexico. Marine Chemistry, 2014, 164, 25-37.	2.3	52
84	Comparative evaluation of sediment trap and 234Th-derived POC fluxes from the upper oligotrophic waters of the Gulf of Mexico and the subtropical northwestern Pacific Ocean. Marine Chemistry, 2010, 121, 132-144.	2.3	51
85	Adsorption characteristics of 210Pb, 210Po and 7Be onto micro-particle surfaces and the effects of macromolecular organic compounds. Geochimica Et Cosmochimica Acta, 2013, 107, 47-64.	3.9	51
86	Sedimentary sources of old high molecular weight dissolved organic carbon from the ocean margin benthic nepheloid layer. Geochimica Et Cosmochimica Acta, 2000, 64, 651-660.	3.9	50
87	Control of Pa/Th ratio by particulate chemical composition in the ocean. Geophysical Research Letters, 2002, 29, 22-1-22-4.	4.0	50
88	Distribution, partitioning and mixing behavior of phosphorus species in the Jiulong River estuary. Marine Chemistry, 2013, 157, 93-105.	2.3	50
89	Chemical evolution of Macondo crude oil during laboratory degradation as characterized by fluorescence EEMs and hydrocarbon composition. Marine Pollution Bulletin, 2013, 66, 164-175.	5.0	50
90	Size partitioning and mixing behavior of trace metals and dissolved organic matter in a South China estuary. Science of the Total Environment, 2017, 603-604, 434-444.	8.0	50

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91	Upper ocean carbon flux determined by the 234Th approach and sediment traps using size-fractionated POC and 234Th data from the Gulf of Mexico. Geochemical Journal, 2004, 38, 601-611.	1.0	49
92	Biogeochemical and geocryological characteristics of wedge and thermokarstâ€cave ice in the CRREL permafrost tunnel, Alaska. Permafrost and Periglacial Processes, 2011, 22, 120-128.	3.4	49
93	N deficiency in a well-oxygenated cold bottom water over the Bering Sea shelf: influence of sedimentary denitrification. Continental Shelf Research, 2004, 24, 1271-1283.	1.8	47
94	Natural organic matter composition determines the molecular nature of silver nanomaterial-NOM corona. Environmental Science: Nano, 2018, 5, 868-881.	4.3	46
95	Role of biopolymers as major carrier phases of Th, Pa, Pb, Po, and Be radionuclides in settling particles from the Atlantic Ocean. Marine Chemistry, 2013, 157, 131-143.	2.3	44
96	Quasi-simultaneous observation of currents, salinity and nutrients in the Changjiang (Yangtze River) plume on the tidal timescale. Journal of Marine Systems, 2009, 75, 265-279.	2.1	43
97	Bacteriohopanepolyol biomarker composition of organic matter exported to the Arctic Ocean by seven of the major Arctic rivers. Organic Geochemistry, 2009, 40, 1151-1159.	1.8	43
98	A critical evaluation of an asymmetrical flow field-flow fractionation system for colloidal size characterization of natural organic matter. Journal of Chromatography A, 2015, 1399, 53-64.	3.7	43
99	Particulate Organic Carbon Export Fluxes in The Canada Basin and Bering Sea as Derived from 234Th/238U Disequilibria. Arctic, 2003, 56, .	0.4	43
100	Plant pigments as biomarkers of high-molecular-weight dissolved organic carbon. Limnology and Oceanography, 1995, 40, 422-428.	3.1	42
101	Metal partitioning between colloidal and dissolved phases and its relation with bioavailability to American oysters. Marine Environmental Research, 2002, 54, 49-64.	2.5	41
102	Estuarine Pollution of Metals in China: Science and Mitigation. Environmental Science & Technology, 2014, 48, 9975-9976.	10.0	41
103	Evolution of the optical properties of seawater influenced by the Deepwater Horizon oil spill in the Gulf of Mexico. Environmental Research Letters, 2012, 7, 025301.	5.2	40
104	Variations in size and composition of colloidal organic matter in a negative freshwater estuary. Science of the Total Environment, 2018, 615, 931-941.	8.0	40
105	Fluorescence characteristics of chromophoric dissolved organic matter in shallow water along the Zhejiang coasts, southeast China. Marine Environmental Research, 2010, 69, 187-197.	2.5	39
106	Temporal variations of organic carbon inputs into the upper Yukon River: Evidence from fatty acids and their stable carbon isotopic compositions in dissolved, colloidal and particulate phases. Organic Geochemistry, 2006, 37, 944-956.	1.8	38
107	Potential DOC production from size-fractionated Arctic tundra soils. Cold Regions Science and Technology, 2009, 55, 141-150.	3.5	38
108	Controls of 234Th removal from the oligotrophic ocean by polyuronic acids and modification by microbial activity. Marine Chemistry, 2011, 123, 111-126.	2.3	38

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109	Nutrient dynamics across the riverâ€sea interface in the <scp>C</scp>hangjiang (<scp>Y</scp>angtze) Tj ETQq1 1 0.784314 rgBT /Ov Oceanography, 2015, 60, 2207-2221.	3.1	38
110	Binding of Th, Pa, Pb, Po and Be radionuclides to marine colloidal macromolecular organic matter. Marine Chemistry, 2015, 173, 320-329.	2.3	38
111	Seasonal variations in nutrient concentrations and speciation in the Chena River, Alaska. Journal of Geophysical Research, 2008, 113, .	3.3	36
112	Dynamic changes in the abundance and chemical speciation of dissolved and particulate phosphorus across the river-lake interface in southwest Lake Michigan. Limnology and Oceanography, 2016, 61, 771-789.	3.1	36
113	Bioavailability of colloid-bound Cd, Cr, and Zn to marine plankton. Marine Ecology - Progress Series, 2000, 202, 41-49.	1.9	36
114	The source and distribution of dissolved and particulate organic matter in the Bay of St. Louis, northern Gulf of Mexico. Estuarine, Coastal and Shelf Science, 2012, 96, 96-104.	2.1	35
115	Distribution, source and chemical speciation of phosphorus in surface sediments of the central Pacific Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 105, 74-82.	1.4	35
116	Dynamic molecular size transformation of aquatic colloidal organic matter as a function of pH and cations. Water Research, 2018, 144, 543-552.	11.3	35
117	Production and flux of carbohydrate species in the Gulf of Mexico. Global Biogeochemical Cycles, 2003, 17, n/a-n/a.	4.9	34
118	Retention behavior of dissolved uranium during ultrafiltration: Implications for colloidal U in surface waters. Marine Chemistry, 2007, 107, 156-166.	2.3	34
119	Source and distribution of lead in the surface sediments from the South China Sea as derived from Pb isotopes. Marine Pollution Bulletin, 2010, 60, 2144-2153.	5.0	34
120	Influence of organic matter on the adsorption of 210Pb, 210Po and 7Be and their fractionation on nanoparticles in seawater. Earth and Planetary Science Letters, 2015, 423, 193-201.	4.4	34
121	Nitrogen and carbon isotopic composition of high-molecular-weight dissolved organic matter in marine environments. Marine Ecology - Progress Series, 2003, 252, 51-60.	1.9	34
122	Estimating the Impact of Seawater on the Production of Soil Waterâ€Extractable Organic Carbon during Coastal Erosion. Journal of Environmental Quality, 2008, 37, 2368-2374.	2.0	29
123	Differences in the spectroscopic characteristics of wetland dissolved organic matter binding with Fe3+, Cu2+, Cd2+, Cr3+ and Zn2+. Science of the Total Environment, 2021, 800, 149476.	8.0	29
124	Preferential removal of dissolved carbohydrates during estuarine mixing in the Bay of Saint Louis in the northern Gulf of Mexico. Marine Chemistry, 2010, 119, 130-138.	2.3	28
125	Partitioning and transformation of organic and inorganic phosphorus among dissolved, colloidal and particulate phases in a hypereutrophic freshwater estuary. Water Research, 2021, 196, 117025.	11.3	28
126	Production of colloidal organic carbon and trace metals by phytoplankton decomposition. Limnology and Oceanography, 2001, 46, 278-286.	3.1	26

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127	Biological productivity and carbon cycling in the Arctic Ocean. Science Bulletin, 2002, 47, 1037-1040.	1.7	26
128	Variation of nutrients in response to the highly dynamic suspended particulate matter in the Changjiang (Yangtze River) plume. Continental Shelf Research, 2008, 28, 2393-2403.	1.8	26
129	The distribution and chemical speciation of dissolved and particulate phosphorus in the Bering Sea and the Chukchiâ€“Beaufort Seas. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 81-84, 79-94.	1.4	26
130	Importance of lateral transport processes to 210Pb budget in the eastern Chukchi Sea during summer 2003. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 81-84, 53-62.	1.4	26
131	Important role of biomolecules from diatoms in the scavenging of particleâ€reactive radionuclides of thorium, protactinium, lead, polonium, and beryllium in the ocean: A case study with Phaeodactylum tricornutum. Limnology and Oceanography, 2014, 59, 1256-1266.	3.1	26
132	Exposure to ZnO nanoparticles alters neuronal and vascular development in zebrafish: Acute and transgenerational effects mitigated with dissolved organic matter. Environmental Pollution, 2018, 242, 433-448.	7.5	26
133	Nutrient absorption by Ulva prolifera and the growth mechanism leading to green-tides. Estuarine, Coastal and Shelf Science, 2019, 227, 106329.	2.1	26
134	Adsorption and fractionation of thorium and protactinium on nanoparticles in seawater. Marine Chemistry, 2014, 162, 50-59.	2.3	25
135	Synchronous evaporation and aquatic primary production in tropical river networks. Water Research, 2021, 200, 117272.	11.3	25
136	Nutrient budgets averaged over tidal cycles off the Changjiang (Yangtze River) Estuary. Estuarine, Coastal and Shelf Science, 2008, 77, 331-336.	2.1	23
137	Variations in the isotopic composition of particulate organic carbon and their relation with carbon dynamics in the western Arctic Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 81-84, 72-78.	1.4	23
138	Floodplain influence on carbon speciation and fluxes from the lower Pearl River, Mississippi. Geochimica Et Cosmochimica Acta, 2016, 186, 189-206.	3.9	23
139	Yields and Characterization of Dissolved Organic Matter From Different Aged Soils in Northern Alaska. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2035-2052.	3.0	23
140	Effect of natural organic matter on the adsorption and fractionation of thorium and protactinium on nanoparticles in seawater. Marine Chemistry, 2015, 173, 291-301.	2.3	22
141	Dynamic changes in sizeâ€fractionated dissolved organic matter composition in a seasonally iceâ€covered Arctic River. Limnology and Oceanography, 2021, 66, 3085-3099.	3.1	22
142	Distributions and dynamics of dissolved carbohydrate species in Changjiang Estuary and the adjacent East China Sea. Marine Chemistry, 2017, 194, 22-32.	2.3	21
143	Impact of Wetland Decline on Decreasing Dissolved Organic Carbon Concentrations along the Mississippi River Continuum. Frontiers in Marine Science, 2017, 3, .	2.5	21
144	Carbon Monoxide Photoproduction: Implications for Photoreactivity of Arctic Permafrost-Derived Soil Dissolved Organic Matter. Environmental Science & Technology, 2014, 48, 9113-9121.	10.0	20

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145	Effects of tropical cyclones on river chemistry: A case study of the lower Pearl River during Hurricanes Gustav and Ike. Estuarine, Coastal and Shelf Science, 2013, 129, 180-188.	2.1	19
146	Multi-scale factors affecting composition, diversity, and abundance of sediment denitrifying microorganisms in Yangtze lakes. Applied Microbiology and Biotechnology, 2017, 101, 8015-8027.	3.6	19
147	Dynamics of dissolved and particulate organic matter in the Changjiang (Yangtze River) Estuary and the adjacent East China Sea shelf. Journal of Marine Systems, 2019, 198, 103188.	2.1	19
148	Optimization of cyanobacterial harvesting and extracellular organic matter removal utilizing magnetic nanoparticles and response surface methodology: A comparative study. Algal Research, 2020, 45, 101756.	4.6	19
149	Silicon accumulation controls carbon cycle in wetlands through modifying nutrients stoichiometry and lignin synthesis of Phragmites australis. Environmental and Experimental Botany, 2020, 175, 104058.	4.2	19
150	Elucidating the Hidden Nonconservative Behavior of DOM in Large Riverâ€Dominated Estuarine and Coastal Environments. Journal of Geophysical Research: Oceans, 2019, 124, 4258-4271.	2.6	18
151	Transport and diagenesis of trace metals and organic matter in Palos Verdes shelf sediments affected by a wastewater outfall. Marine Chemistry, 2001, 73, 153-171.	2.3	17
152	Zonal patterns of Î´13C, Î´15N and210Po in the tropical and subtropical North Pacific. Geophysical Research Letters, 2006, 33, .	4.0	17
153	Hurricane Katrina impact on water quality in the East Pearl River, Mississippi. Journal of Hydrology, 2012, 414-415, 388-392.	5.4	17
154	Abundance, distribution, and isotopic composition of particulate black carbon in the northern Gulf of Mexico. Geophysical Research Letters, 2014, 41, 7619-7625.	4.0	17
155	Spatial variation of tundra soil organic carbon along the coastline of northern Alaska. Geoderma, 2010, 154, 328-335.	5.1	16
156	Optical characterization of CDOM in a marsh-influenced environment in the Changjiang (Yangtze) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	16
157	Spatial and vertical variability of dissolved carbohydrate species in the northern Gulf of Mexico following the Deepwater Horizon oil spill, 2010â€“2011. Marine Chemistry, 2015, 174, 13-25.	2.3	15
158	Variations in chemical speciation and reactivity of phosphorus between suspended-particles and surface-sediment in seasonal hypoxia-influenced Green Bay. Journal of Great Lakes Research, 2018, 44, 864-874.	1.9	15
159	Non-conservative behavior of dissolved organic carbon in the Changjiang (Yangtze River) Estuary and the adjacent East China Sea. Continental Shelf Research, 2020, 197, 104084.	1.8	14
160	Depositional fluxes and residence time of atmospheric radioiodine (131I) from the Fukushima accident. Journal of Environmental Radioactivity, 2012, 113, 32-36.	1.7	13
161	Mitigative effects of natural and model dissolved organic matter with different functionalities on the toxicity of methylmercury in embryonic zebrafish. Environmental Pollution, 2019, 252, 616-626.	7.5	13
162	Causal relationship between alkaline phosphatase activities and phosphorus dynamics in a eutrophic coastal lagoon in Lake Michigan. Science of the Total Environment, 2021, 787, 147681.	8.0	13

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163	Do invasive quagga mussels alter CO2 dynamics in the Laurentian Great Lakes?. Scientific Reports, 2016, 6, 39078.	3.3	12
164	Floodplain effects on the transport of dissolved and colloidal trace elements in the East Pearl River, Mississippi. Hydrological Processes, 2017, 31, 1086-1099.	2.6	12
165	Molecular level characterization of diatomâ€associated biopolymers that bind ²³⁴Th, ²³³Pa, ²¹⁰Pb, and ⁷Be in seawater: A case study with Phaeodactylum tricornutum. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1858-1869.	3.0	11
166	Variations in abundance and size distribution of carbohydrates in the lower Mississippi River, Pearl River and Bay of St Louis. Estuarine, Coastal and Shelf Science, 2013, 126, 61-69.	2.1	10
167	Sources and burial fluxes of soot black carbon in sediments on the Mackenzie, Chukchi, and Bering Shelves. Continental Shelf Research, 2018, 155, 1-10.	1.8	10
168	Quantifying Dissolved Organic Carbon Dynamics Using a Threeâ€Dimensional Terrestrial Ecosystem Model at High Spatialâ€Temporal Resolutions. Journal of Advances in Modeling Earth Systems, 2019, 11, 4489-4512.	3.8	10
169	The efficiency of sequential extraction of phosphorus in soil and sediment: insights from the oxygen isotope ratio of phosphate. Journal of Soils and Sediments, 2020, 20, 1332-1343.	3.0	10
170	Seasonal variations in strontium and carbon isotope systematics in the Lower Mississippi River: Implications for chemical weathering. Chemical Geology, 2020, 553, 119810.	3.3	10
171	Composition and lability of riverine dissolved organic matter: Insights from thermal slicing ramped pyrolysis GCâ“MS, amino acid, and stable isotope analyses. Organic Geochemistry, 2020, 149, 104100.	1.8	10
172	Carbon Fluxes Across Boundaries in the Pacific Arctic Region in a Changing Environment. , 2014, , 199-222.		10
173	Diurnal variations in the content and oxygen isotope composition of phosphate pools in a subtropical agriculture soil. Geoderma, 2019, 337, 863-870.	5.1	9
174	Changing Biogeochemical Cycles of Organic Carbon, Nitrogen, Phosphorus, and Trace Elements in Arctic Rivers. , 2021, , 315-348.		9
175	We Must Stop Fossil Fuel Emissions to Protect Permafrost Ecosystems. Frontiers in Environmental Science, 0, 10, .	3.3	9
176	Tracing the quarter-diurnal signatures of nutrients and dissolved organic matter to evaluate their nonconservative behaviors in coastal seawaters. Journal of Geophysical Research, 2011, 116, .	3.3	8
177	Fluorescence EEMs and PARAFAC Techniques in the Analysis of Petroleum Components in the Water Column. Springer Protocols, 2015, , 179-200.	0.3	7
178	Seasonal Variations in Molecular Size of Chromophoric Dissolved Organic Matter From the Lower Changjiang (Yangtze) River. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006160.	3.0	7
179	Disproportionate Changes in Composition and Molecular Size Spectra of Dissolved Organic Matter between Influent and Effluent from a Major Metropolitan Wastewater Treatment Plant. ACS ES&T Water, 2022, 2, 216-225.	4.6	7
180	Role of organic components in regulating denitrification in the coastal water of Daya Bay, southern China. Environmental Sciences: Processes and Impacts, 2019, 21, 831-844.	3.5	6

#	Article	IF	Citations
181	Sources and dynamics of suspended particulate matter in a large-river dominated marine system: Contributions from terrestrial sediments, biological particles, and flocculation. Journal of Marine Systems, 2022, 225, 103648.	2.1	6
182	Tidal effects on variations in organic and inorganic biogeochemical components in Changjiang (Yangtze River) Estuary and the adjacent East China Sea. Journal of Marine Systems, 2022, 227, 103692.	2.1	6
183	Comment on â€œHow accurate are ²³⁴Th measurements in seawater based on the MnO₂â€impregnated cartridge technique?â€•by Pinghe Cai et al.. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	5
184	Excretion of organic matter and nutrients from invasive quagga mussels and potential impact on carbon dynamics in Lake Michigan. Journal of Great Lakes Research, 2017, 43, 79-89.	1.9	5
185	Utilization of Soot and 210 Po-210 Pb Disequilibria to Constrain Particulate Organic Carbon Fluxes in the Northeastern South China Sea. Frontiers in Marine Science, 2021, 8, .	2.5	5
186	Box Coring Artifacts in Sediments Affected by a Waste Water Outfall. Marine Pollution Bulletin, 2001, 42, 267-272.	5.0	4
187	Soil Organic Carbon Reactivity Along the Eroding Coastline of Northern Alaska. Soil Science, 2017, 182, 227-232.	0.9	4
188	Role of Suspended Particulate Matter in Regulating the Behavior of Dissolved Uranium in the Yellow River Estuary. Estuaries and Coasts, 2018, 41, 1667-1678.	2.2	4
189	Role of the Atchafalaya River Basin in regulating export fluxes of dissolved organic carbon, nutrients, and trace elements to the Louisiana Shelf. Journal of Hydrology X, 2019, 2, 100018.	1.6	4
190	Using water age to study the biogeochemistry of nutrients in a large-river estuary and the adjacent shelf area. Journal of Marine Systems, 2021, 214, 103469.	2.1	4
191	New Insights Into the Nonâ€Conservative Behaviors of Nutrients Triggering Phytoplankton Blooms in the Changjiang (Yangtze) River Estuary. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	4
192	Nitrogen isotopic fractionation of particulate organic matter production and remineralization in the Prydz Bay and its adjacent areas. Acta Oceanologica Sinica, 2020, 39, 42-53.	1.0	2
193	Biogeochemical studies from the Chinese National Arctic Research Expeditions (CHINAREs). Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 81-84, 1-2.	1.4	1
194	Isotope Composition of Organic Matter in Seawater. , 2009, , .		0