Thomas S Bianchi

List of Publications by Year
in descending order

260	14,629	19608 61	26548 107
papers	citations	h-index	g-index

275	275	275	12252
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The changing carbon cycle of the coastal ocean. Nature, 2013, 504, 61-70.	13.7	1,146
2	The role of terrestrially derived organic carbon in the coastal ocean: A changing paradigm and the priming effect. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19473-19481.	3.3	603
3	Natural photolysis by ultraviolet irradiance of recalcitrant dissolved organic matter to simple substrates for rapidbacterial metabolism. Limnology and Oceanography, 1995, 40, 1369-1380.	1.6	474
4	Large-river delta-front estuaries as natural â€œrecordersâ€•of global environmental change. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8085-8092.	3.3	474
5	The future of Blue Carbon science. Nature Communications, 2019, 10, 3998.	5.8	406
6	Transport and transformation of dissolved and particulate materials on continental margins influenced by major rivers: benthic boundary layer and seabed processes. Continental Shelf Research, 2004, 24, 899-926.	0.9	339
7	The science of hypoxia in the Northern Gulf of Mexico: A review. Science of the Total Environment, 2010, 408, 1471-1484.	3.9	317
8	Cyanobacterial blooms in the Baltic Sea: Natural or humanâ€•induced?. Limnology and Oceanography, 2000, 45, 716-726.	1.6	305
9	High rates of organic carbon burial in fjord sediments globally. Nature Geoscience, 2015, 8, 450-453.	5.4	295
10	Plastics in the Earth system. Science, 2021, 373, 51-55.	6.0	290
11	Sources of terrestrially-derived organic carbon in lower Mississippi River and Louisiana shelf sediments: implications for differential sedimentation and transport at the coastal margin. Marine Chemistry, 2002, 77, 211-223.	0.9	208
12	Where Carbon Goes When Water Flows: Carbon Cycling across the Aquatic Continuum. Frontiers in Marine Science, 2017, 4, .	1.2	197
13	Centers of organic carbon burial and oxidation at the land-ocean interface. Organic Geochemistry, 2018, 115, 138-155.	0.9	184
14	Temporal variability in sources of dissolved organic carbon in the lower Mississippi river. Geochimica Et Cosmochimica Acta, 2004, 68, 959-967.	1.6	178
15	Isotopic evidence for the contemporary origin of high-molecular weight organic matter in oceanic environments. Geochimica Et Cosmochimica Acta, 1995, 59, 625-631.	1.6	175
16	Mangrove expansion in the Gulf of Mexico with climate change: Implications for wetland health and resistance to rising sea levels. Estuarine, Coastal and Shelf Science, 2012, 96, 81-95.	0.9	158
17	Grazing enhances belowground carbon allocation, microbial biomass, and soil carbon in a subtropical grassland. Global Change Biology, 2018, 24, 2997-3009.	4.2	157
18	Historical reconstruction of mangrove expansion in the Gulf of Mexico: Linking climate change with carbon sequestration in coastal wetlands. Estuarine, Coastal and Shelf Science, 2013, 119, 7-16.	0.9	148

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19	Moving beyond the van Krevelen Diagram: A New Stoichiometric Approach for Compound Classification in Organisms. Analytical Chemistry, 2018, 90, 6152-6160.	3.2	140
20	Historical trends of hypoxia on the Louisiana shelf: application of pigments as biomarkers. Organic Geochemistry, 2001, 32, 543-561.	0.9	136
21	Temporal variability in terrestrially-derived sources of particulate organic carbon in the lower Mississippi River and its upper tributaries. Geochimica Et Cosmochimica Acta, 2007, 71, 4425-4437.	1.6	136
22	History of Trace Metal Pollution in Sabine-Neches Estuary, Beaumont, Texas. Environmental Science & Technology, 1995, 29, 1495-1503.	4.6	135
23	Optical Proxies for Terrestrial Dissolved Organic Matter in Estuaries and Coastal Waters. Frontiers in Marine Science, 0, 2, .	1.2	114
24	Black Carbon from the Mississippi River:Â Quantities, Sources, and Potential Implications for the Global Carbon Cycle. Environmental Science & Technology, 2002, 36, 2296-2302.	4.6	112
25	Hydrodynamic sorting and transport of terrestrially derived organic carbon in sediments of the Mississippi and Atchafalaya Rivers. Estuarine, Coastal and Shelf Science, 2007, 73, 211-222.	0.9	108
26	Fjords as Aquatic Critical Zones (ACZs). Earth-Science Reviews, 2020, 203, 103145.	4.0	104
27	Preservation conditions and the use of sediment pigments as a tool for recent ecological reconstruction in four Northern European estuaries. Marine Chemistry, 2005, 95, 283-302.	0.9	101
28	Enhanced transfer of terrestrially derived carbon to the atmosphere in a flooding event. Geophysical Research Letters, 2013, 40, 116-122.	1.5	101
29	Positive priming of terrestrially derived dissolved organic matter in a freshwater microcosm system. Geophysical Research Letters, 2015, 42, 5460-5467.	1.5	100
30	Biogeochemistry of Estuaries. , 2006, , .		100
31	Geochronology of sediments in the Sabine-Neches estuary, Texas, U.S.A.. Chemical Geology, 1995, 125, 291-306.	1.4	97
32	Breakdown of phytoplankton pigments in Baltic sediments: effects of anoxia and loss of deposit-feeding macrofauna. Journal of Experimental Marine Biology and Ecology, 2000, 251, 161-183.	0.7	97
33	An organic carbon budget for the Mississippi River turbidity plume and plume contributions to air-sea CO2 fluxes and bottom water hypoxia. Estuaries and Coasts, 2006, 29, 579-597.	1.0	95
34	Enrichment and Detection of Escherichia coli O157:H7 from Water Samples Using an Antibody Modified Microfluidic Chip. Analytical Chemistry, 2010, 82, 2844-2849.	3.2	95
35	The reactivity of plantâ€derived organic matter and the potential importance of priming effects along the lower Amazon River. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1522-1539.	1.3	94
36	Effect of seasonal sediment storage in the lower Mississippi River on the flux of reactive particulate phosphorus to the Gulf of Mexico. Limnology and Oceanography, 2004, 49, 2223-2235.	1.6	92

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37	Composition, abundance and age of total organic carbon in surface sediments from the inner shelf of the East China Sea. Marine Chemistry, 2012, 145-147, 37-52.	0.9	91
38	Seasonal changes in the abundance and composition of plant pigments in particulate organic carbon in the lower Mississippi and Pearl Rivers. Estuaries and Coasts, 2006, 29, 427-442.	1.0	90
39	Historical trends of hypoxia in Changjiang River estuary: Applications of chemical biomarkers and microfossils. Journal of Marine Systems, 2011, 86, 57-68.	0.9	89
40	The effects of macrobenthic deposit-feeding on the degradation of chloropigments in sandy sediments. Journal of Experimental Marine Biology and Ecology, 1988, 122, 243-255.	0.7	88
41	Sources of Terrestrial Organic Carbon in the Mississippi Plume Region: Evidence for the Importance of Coastal Marsh Inputs. Aquatic Geochemistry, 2011, 17, 431-456.	1.5	87
42	Partitioning of organic matter in continental margin sediments among density fractions. Marine Chemistry, 2009, 115, 211-225.	0.9	86
43	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.	0.9	84
44	Phytoplankton Pigments in Baltic Sea Seston and Sediments: Seasonal Variability, Fluxes, and Transformations. Estuarine, Coastal and Shelf Science, 2002, 55, 369-383.	0.9	84
45	Dissolved Organic Carbon Cycling and Transformation. , 2011, , 7-67.		84
46	Photoâ€oxidation of dissolved organic matter in river water and its effect on trace element speciation. Limnology and Oceanography, 2006, 51, 1716-1728.	1.6	83
47	Speciation, bioavailability and preservation of phosphorus in surface sediments of the Changjiang Estuary and adjacent East China Sea inner shelf. Estuarine, Coastal and Shelf Science, 2014, 144, 27-38.	0.9	82
48	Enhanced terrestrial carbon preservation promoted by reactive iron in deltaic sediments. Geophysical Research Letters, 2016, 43, 1149-1157.	1.5	82
49	Mechanisms of ammonia and amino acid photoproduction from aquatic humic and colloidal matter. Water Research, 2001, 35, 3688-3696.	5.3	81
50	A re-evaluation of the use of branched GDGTs as terrestrial biomarkers: Implications for the BIT Index. Geochimica Et Cosmochimica Acta, 2012, 80, 14-29.	1.6	80
51	Spatial variability in the coupling of organic carbon, nutrients, and phytoplankton pigments in surface waters and sediments of the Mississippi River plume. Estuarine, Coastal and Shelf Science, 2006, 69, 47-63.	0.9	76
52	An interlaboratory study of TEX₈₆ and BIT analysis of sediments, extracts, and standard mixtures. Geochemistry, Geophysics, Geosystems, 2013, 14, 5263-5285.	1.0	76
53	Remineralization of sedimentary organic carbon in mud deposits of the Changjiang Estuary and adjacent shelf: Implications for carbon preservation and authigenic mineral formation. Continental Shelf Research, 2014, 91, 1-11.	0.9	76
54	Organic carbon cycling in sediments of the Changjiang Estuary and adjacent shelf: Implication for the influence of Three Gorges Dam. Journal of Marine Systems, 2014, 139, 409-419.	0.9	76

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55	Cycling of7Be and210Pb in a High DOC, Shallow, Turbid Estuary of South-east Texas. Estuarine, Coastal and Shelf Science, 1997, 45, 165-176.	0.9	74
56	Particulate and dissolved amino acids in the lower Mississippi and Pearl Rivers (USA). Marine Chemistry, 2007, 107, 214-229.	0.9	74
57	Chromophoric Dissolved Organic Matter and Dissolved Organic Carbon from Sea-Viewing Wide Field-of-View Sensor (SeaWiFS), Moderate Resolution Imaging Spectroradiometer (MODIS) and MERIS Sensors: Case Study for the Northern Gulf of Mexico. Remote Sensing, 2013, 5, 1439-1464.	1.8	74
58	A multiproxy analysis of sedimentary organic carbon in the <scp>Changjiang Estuary</scp> and adjacent shelf. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1407-1429.	1.3	74
59	Impacts of diverted freshwater on dissolved organic matter and microbial communities in Barataria Bay, Louisiana, U.S.A.. Marine Environmental Research, 2011, 72, 248-257.	1.1	72
60	Temporal variability in the composition and abundance of terrestrially-derived dissolved organic matter in the lower Mississippi and Pearl Rivers. Marine Chemistry, 2007, 103, 172-184.	0.9	71
61	An isotopic biogeochemical assessment of shifts in organic matter input to Holocene sediments from Mud Lake, Florida. Organic Geochemistry, 2001, 32, 1153-1167.	0.9	69
62	Carbon burial on river-dominated continental shelves: Impact of historical changes in sediment loading adjacent to the Mississippi River. Geophysical Research Letters, 2007, 34, .	1.5	67
63	Organic carbon burial in fjords: Terrestrial versus marine inputs. Earth and Planetary Science Letters, 2016, 451, 41-50.	1.8	66
64	Organic Matter Sources in the Water Column and Sediments of the Hudson River Estuary: the Use of Plant Pigments as Tracers. Estuarine, Coastal and Shelf Science, 1993, 36, 359-376.	0.9	65
65	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.	4.6	65
66	Using multi-radiotracer techniques to better understand sedimentary dynamics of reworked muds in the Changjiang River estuary and inner shelf of East China Sea. Marine Geology, 2015, 370, 76-86.	0.9	65
67	The spatial distribution of soil organic carbon in tidal wetland soils of the continental United States. Global Change Biology, 2017, 23, 5468-5480.	4.2	65
68	The effect of particle density on the sources, distribution, and degradation of sedimentary organic carbon in the Changjiang Estuary and adjacent shelf. Chemical Geology, 2015, 402, 52-67.	1.4	64
69	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.	0.9	63
70	A gradient of dissolved organic carbon and lignin from Terrebonneâ€“Timbalier Bay estuary to the Louisiana shelf (USA). Marine Chemistry, 2009, 117, 32-41.	0.9	63
71	Assessing chromophoric dissolved organic matter (CDOM) distribution, stocks, and fluxes in Apalachicola Bay using combined field, VIIRS ocean color, and model observations. Remote Sensing of Environment, 2017, 191, 359-372.	4.6	63
72	Sources of organic matter in surface sediments of the Louisiana Continental margin: Effects of major depositional/transport pathways and Hurricane Ivan. Continental Shelf Research, 2008, 28, 2472-2487.	0.9	62

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73	Decomposition of Hudson Estuary Macrophytes: Photosynthetic Pigment Transformations and Decay Constants. Estuaries and Coasts, 1991, 14, 65.	1.7	59
74	Terrestrially derived dissolved organic matter in the chesapeake bay and the middle atlantic bight. Geochimica Et Cosmochimica Acta, 2000, 64, 3547-3557.	1.6	59
75	The remineralization of sedimentary organic carbon in different sedimentary regimes of the Yellow and East China Seas. Chemical Geology, 2018, 495, 104-117.	1.4	58
76	Do sediments from coastal sites accurately reflect time trends in water column phytoplankton? A test from HimmerfjÃrden Bay (Baltic Sea proper). Limnology and Oceanography, 2002, 47, 1537-1544.	1.6	53
77	Comparison of lignin phenols and branched/isoprenoid tetraethers (BIT index) as indices of terrestrial organic matter in Doubtful Sound, Fiordland, New Zealand. Organic Geochemistry, 2010, 41, 281-290.	0.9	53
78	The importance of microalgae, bacteria and particulate organic matter in the somatic growth of <I>Hydrobia totteni</I>. Journal of Marine Research, 1984, 42, 431-443.	0.3	52
79	Ammonium Photoproduction from Aquatic Humic and Colloidal Matter. Aquatic Geochemistry, 2000, 6, 275-292.	1.5	52
80	Sources and composition of highâ€molecularâ€weight dissolved organic carbon in a southern Louisiana tidal stream (Bayou Trepagnier). Limnology and Oceanography, 2001, 46, 917-926.	1.6	52
81	An interlaboratory study of TEX‹sub›86‹/sub› and BIT analysis using highâ€performance liquid chromatographyâ€“mass spectrometry. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	52
82	Land use, water quality, and the history of coral assemblages at Bocas del Toro, PanamÃ¡. Marine Ecology - Progress Series, 2014, 504, 159-170.	0.9	51
83	Sources of terrigenous inputs to surface sediments of the Colville River Delta and Simpson's Lagoon, Beaufort Sea, Alaska. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 808-824.	1.3	48
84	Biogeochemical characteristics of the lower Mississippi River, USA, during June 2003. Estuaries and Coasts, 2005, 28, 664-674.	1.7	47
85	Old before your time: Ancient carbon incorporation in contemporary aquatic foodwebs. Limnology and Oceanography, 2017, 62, 1682-1700.	1.6	45
86	Sea-level rise and the emergence of a keystone grazer alter the geomorphic evolution and ecology of southeast US salt marshes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17891-17902.	3.3	45
87	Redox Effects on Organic Matter Storage in Coastal Sediments During the Holocene: A Biomarker/Proxy Perspective. Annual Review of Earth and Planetary Sciences, 2016, 44, 295-319.	4.6	44
88	Variability in the bulk composition and abundance of dissolved organic matter in the lower Mississippi and Pearl rivers. Journal of Geophysical Research, 2007, 112, .	3.3	43
89	Plant pigments as biomarkers of high-molecular-weight dissolved organic carbon. Limnology and Oceanography, 1995, 40, 422-428.	1.6	42
90	Early Diagenesis of Plant Pigments in Hudson River Sediments. Estuarine, Coastal and Shelf Science, 1993, 36, 517-527.	0.9	41

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91	Particulate Organic Carbon Cycling and Transformation. , 2011, , 69-117.		41
92	Carbon storage in the Mississippi River delta enhanced by environmental engineering. Nature Geoscience, 2017, 10, 846-851.	5.4	41
93	Controls on Organic Carbon Burial in the Eastern China Marginal Seas: A Regional Synthesis. Global Biogeochemical Cycles, 2021, 35, e2020GB006608.	1.9	41
94	Implications for the role of pre- versus post-depositional transformation of chlorophyll-a in the Lower Mississippi River and Louisiana shelf. Marine Chemistry, 2003, 81, 37-55.	0.9	40
95	Distribution, mixing behavior, and transformation of dissolved inorganic phosphorus and suspended particulate phosphorus along a salinity gradient in the Changjiang Estuary. Marine Chemistry, 2015, 168, 124-134.	0.9	40
96	A Late Pleistocene-Holocene multi-proxy record of climate variability in the Jazmurian playa, southeastern Iran. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 514, 754-767.	1.0	40
97	Comparison of two methods for the analysis of lignin in marine sediments: CuO oxidation versus tetramethylammonium hydroxide (TMAH) thermochemolysis. Organic Geochemistry, 2008, 39, 1454-1461.	0.9	39
98	Historical reconstruction of organic carbon decay and preservation in sediments on the East China Sea shelf. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 1079-1093.	1.3	39
99	Evidence for permafrost thaw and transport from an Alaskan North Slope watershed. Geophysical Research Letters, 2014, 41, 3117-3126.	1.5	39
100	Contribution of vascular-plant carbon to surface sediments across the coastal margin of Cyprus (eastern Mediterranean). Organic Geochemistry, 1999, 30, 287-297.	0.9	38
101	Early diagenesis of chloropigment biomarkers in the lower Mississippi River and Louisiana shelf: implications for carbon cycling in a river-dominated margin. Marine Chemistry, 2005, 93, 159-177.	0.9	38
102	Rapid export of organic matter to the Mississippi Canyon. Eos, 2006, 87, 565.	0.1	38
103	Changes in sediment and organic carbon accumulation in a highly-disturbed ecosystem: The Sacramento-San Joaquin River Delta (California, USA). Marine Pollution Bulletin, 2009, 59, 154-163.	2.3	38
104	The Role of Reactive Iron in the Preservation of Terrestrial Organic Carbon in Estuarine Sediments. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 3556-3569.	1.3	38
105	The role of elevation, relative sea-level history and vegetation transition in determining carbon distribution in Spartina alterniflora dominated salt marshes. Estuarine, Coastal and Shelf Science, 2015, 154, 48-57.	0.9	37
106	Positive feedback of consumer population density on resource supply. Trends in Ecology and Evolution, 1989, 4, 234-238.	4.2	36
107	Fundamental drivers of dissolved organic matter composition across an Arctic effective precipitation gradient. Limnology and Oceanography, 2020, 65, 1217-1234.	1.6	36
108	Tidal Wetland Gross Primary Production Across the Continental United States, 2000â€“2019. Global Biogeochemical Cycles, 2020, 34, e2019GB006349.	1.9	36

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109	SOURCE ROCK POTENTIAL OF EOCENE, PALEOCENE AND JURASSIC DEPOSITS IN THE SUBSURFACE OF THE POTWAR BASIN, NORTHERN PAKISTAN. Journal of Petroleum Geology, 2010, 33, 87-96.	0.9	35
110	Spatial and temporal distributions of bromoform and dibromomethane in the Atlantic Ocean and their relationship with photosynthetic biomass. Journal of Geophysical Research: Oceans, 2013, 118, 3950-3965.	1.0	34
111	Dissolved Organic Matter Composition Drives the Marine Production of Brominated Very Short-Lived Substances. Environmental Science & Technology, 2015, 49, 3366-3374.	4.6	34
112	Biospheric and petrogenic organic carbon flux along southeast Alaska. Earth and Planetary Science Letters, 2016, 452, 238-246.	1.8	34
113	Can Reservoir Regulation Along the Yellow River Be a Sustainable Way to Save a Sinking Delta?. Earth's Future, 2020, 8, e2020EF001587.	2.4	34
114	Plant Pigments as Biomarkers of Organic Matter Sources in Sediments and Coastal Waters of Cyprus (eastern Mediterranean). Estuarine, Coastal and Shelf Science, 1996, 42, 103-115.	0.9	33
115	Increased Organic Carbon Burial in Northern Florida Mangroveâ€Salt Marsh Transition Zones. Global Biogeochemical Cycles, 2020, 34, e2019GB006334.	1.9	33
116	Transport and fate of dissolved organic carbon in the Lake Pontchartrain esutary, Louisiana, U.S.A.. Biogeochemistry, 1997, 38, 207-226.	1.7	32
117	Pyrophaeophorbide-a as a tracer of suspended particulate organic matter from the NE Pacific continental margin. Deep-Sea Research Part II: Topical Studies in Oceanography, 1998, 45, 715-731.	0.6	32
118	Novel decomposition products of chlorophyll-a in continental shelf (Louisiana shelf) sediments: formation and transformation of carotenol chlorin esters. Geochimica Et Cosmochimica Acta, 2003, 67, 2027-2042.	1.6	32
119	Photochemical changes in chemical markers of sedimentary organic matter source and age. Marine Chemistry, 2009, 113, 123-128.	0.9	32
120	Increasing Rates of Carbon Burial in Southwest Florida Coastal Wetlands. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005349.	1.3	32
121	Temporal and Spatial Dynamics of Particulate Organic Carbon in the Lake Pontchartrain Estuary, Southeast Louisiana, U.S.A. Estuarine, Coastal and Shelf Science, 1997, 45, 557-569.	0.9	31
122	Velocityâ€amplified microbial respiration rates in the lower Amazon River. Limnology and Oceanography Letters, 2018, 3, 265-274.	1.6	31
123	Feeding ecology of subsurface deposit-feeder Leitoscoloplos fragilis Verrill. I. Mechanisms affecting particle availability on intertidal sandflat. Journal of Experimental Marine Biology and Ecology, 1988, 115, 79-97.	0.7	30
124	Influence of Grazing and Nitrogen on Benthic Algal Blooms in Diesel Fuel-Contaminated Saltmarsh Sediments. Environmental Science & Technology, 2000, 34, 107-111.	4.6	30
125	Title is missing!. Biogeochemistry, 2003, 62, 39-58.	1.7	30
126	Carbon Cycling in a Shallow Turbid Estuary of Southeast Texas: The Use of Plant Pigment Biomarkers and Water Quality Parameters. Estuaries and Coasts, 1997, 20, 404.	1.7	29

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127	A 28â€ka history of sea surface temperature, primary productivity and planktonic community variability in the western Arabian Sea. Paleoceanography, 2007, 22, .	3.0	29
128	Controlling Hypoxia on the U.S. Louisiana Shelf: Beyond the Nutrientâ€Centric View. Eos, 2008, 89, 236-237.	0.1	29
129	Erosion of modern terrestrial organic matter as a major component of sediments in fjords. Geophysical Research Letters, 2017, 44, 1457-1465.	1.5	29
130	Mangrove Methane Biogeochemistry in the Indian Sundarbans: A Proposed Budget. Frontiers in Marine Science, 2017, 4, .	1.2	29
131	Experimental degradation of plant materials in Hudson river sediments. Biogeochemistry, 1991, 12, 171.	1.7	28
132	Historical eutrophication in the Changjiang and Mississippi delta-front estuaries: Stable sedimentary chloropigments as biomarkers. Continental Shelf Research, 2012, 47, 133-144.	0.9	28
133	Comparison of eastern tropical Pacific TEX86 and Globigerinoides ruber Mg/Ca derived sea surface temperatures: Insights from the Holocene and Last Glacial Maximum. Earth and Planetary Science Letters, 2016, 434, 320-332.	1.8	28
134	Turbidity in Apalachicola Bay, Florida from Landsat 5 TM and Field Data: Seasonal Patterns and Response to Extreme Events. Remote Sensing, 2017, 9, 367.	1.8	28
135	Feeding ecology ofLeitoscoloplos fragilis. Marine Biology, 1988, 99, 123-131.	0.7	27
136	Dominant chlorophylls and carotenoids in macroalgae of the Baltic Sea (Baltic proper): Their use as potential biomarkers. Sarsia, 1997, 82, 55-62.	0.5	27
137	Microbial food web contributions to bottom water hypoxia in the northern Gulf of Mexico. Continental Shelf Research, 2008, 28, 1127-1137.	0.9	27
138	Shallow lake trophic status linked to late Holocene climate and human impacts. Journal of Paleolimnology, 2009, 42, 51-64.	0.8	26
139	Detrital phosphorus as a proxy of flooding events in the Changjiang River Basin. Science of the Total Environment, 2015, 517, 22-30.	3.9	26
140	Partitioning of organic carbon among density fractions in surface sediments of Fiordland, New Zealand. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1016-1031.	1.3	26
141	Early diagenesis and authigenic mineral formation in mobile muds of the Changjiang Estuary and adjacent shelf. Journal of Marine Systems, 2017, 172, 64-74.	0.9	26
142	Cross-shelf changes in phytoplankton community composition in the Gulf of Mexico (Texas) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	0.9	25
143	Importance of lateral flux and its percolation depth on organic carbon export in Arctic tundra soil: Implications from a soil leaching experiment. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 796-810.	1.3	25
144	Formation of planktonic chromophoric dissolved organic matter in the ocean. Marine Chemistry, 2019, 209, 1-13.	0.9	25

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145	Biogeochemical implications of levee confinement in the lowermost Mississippi River. Eos, 2003, 84, 469.	0.1	24
146	Fates of dissolved and particulate materials from the Mississippi river immediately after discharge into the northern Gulf of Mexico, USA, during a period of low wind stress. Continental Shelf Research, 2008, 28, 1443-1450.	0.9	24
147	Historical reconstruction of organic carbon inputs to the East China Sea inner shelf: Implications for anthropogenic activities and regional climate variability. Holocene, 2015, 25, 1869-1881.	0.9	24
148	Composition and depth distribution of hydrocarbons in Barataria Bay marsh sediments after the Deepwater Horizon oil spill. Environmental Pollution, 2016, 214, 101-113.	3.7	24
149	Permafrost Organic Carbon Mobilization From the Watershed to the Colville River Delta: Evidence From ¹⁴C Ramped Pyrolysis and Lignin Biomarkers. Geophysical Research Letters, 2017, 44, 11,491.	1.5	23
150	A rapid and precise method for the analysis of underivatized amino acids in natural samples using volatile-ion-pairing reverse-phase liquid chromatographyâ€“electrospray ionization tandem mass spectrometry. Organic Geochemistry, 2018, 115, 46-56.	0.9	23
151	Temporal and spatial variability, and the role of dissolved organic carbon (DOC) in methane fluxes from the Sabine River Floodplain (Southeast Texas, U.S.A.). Archiv FÃ¼r Hydrobiologie, 1996, 136, 261-287.	1.1	23
152	Plant Pigments as Tracers of Emergent and Submergent Macrophytes from the Hudson River. Canadian Journal of Fisheries and Aquatic Sciences, 1990, 47, 492-494.	0.7	22
153	Inconsistencies between 14C and short-lived radionuclides-based sediment accumulation rates: Effects of long-term remineralization. Journal of Environmental Radioactivity, 2017, 174, 10-16.	0.9	22
154	Lipoxygenase-induced autoxidative degradation of terrestrial particulate organic matter in estuaries: A widespread process enhanced at high and low latitude. Organic Geochemistry, 2018, 115, 78-92.	0.9	22
155	Impact of Wetland Decline on Decreasing Dissolved Organic Carbon Concentrations along the Mississippi River Continuum. Frontiers in Marine Science, 2017, 3, .	1.2	21
156	Marine microbial community responses related to wetland carbon mobilization in the coastal zone. Limnology and Oceanography Letters, 2019, 4, 25-33.	1.6	21
157	Probable causes for cyanobacterial expansion in the Baltic Sea: Role of anoxia and phosphorus retention. Estuaries and Coasts, 2003, 26, 680-689.	1.7	20
158	High frequency measurement of nitrate concentration in the Lower Mississippi River, USA. Journal of Hydrology, 2014, 519, 376-386.	2.3	20
159	Paleoreconstruction of organic carbon inputs to an oxbow lake in the Mississippi River watershed: Effects of dam construction and land use change on regional inputs. Geophysical Research Letters, 2015, 42, 7983-7991.	1.5	19
160	Characterizing blue carbon stocks in Thalassia testudinum meadows subjected to different phosphorus supplies: A lignin biomarker approach. Limnology and Oceanography, 2018, 63, 2630-2646.	1.6	19
161	Millennial-scale carbon accumulation and molecular transformation in a permafrost core from Interior Alaska. Geochimica Et Cosmochimica Acta, 2019, 253, 231-248.	1.6	19
162	The evolution of biogeochemistry: revisited. Biogeochemistry, 2021, 154, 141-181.	1.7	19

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163	Editorial: Linking Optical and Chemical Properties of Dissolved Organic Matter in Natural Waters. Frontiers in Marine Science, 2016, 3, .	1.2	18
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