# Thomas S Bianchi

List of Publications by Year
in descending order



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|---|---|---|---|
| 260 papers | 14,629 citations | 19657 61 h-index | 26613 107 g-index |
| 275 all docs | 275 docs citations | 275 times ranked | 12252 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The changing carbon cycle of the coastal ocean. Nature, 2013, 504, 61-70. | 27.8 | 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. | 7.1 | 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. | 3.1 | 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. | 7.1 | 474 |
| 5 | The future of Blue Carbon science. Nature Communications, 2019, 10, 3998. | 12.8 | 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. | 1.8 | 339 |
| 7 | The science of hypoxia in the Northern Gulf of Mexico: A review. Science of the Total Environment, 2010, 408, 1471-1484. | 8.0 | 317 |
| 8 | Cyanobacterial blooms in the Baltic Sea: Natural or humanâ€•induced?. Limnology and Oceanography, 2000, 45, 716-726. | 3.1 | 305 |
| 9 | High rates of organic carbon burial in fjord sediments globally. Nature Geoscience, 2015, 8, 450-453. | 12.9 | 295 |
| 10 | Plastics in the Earth system. Science, 2021, 373, 51-55. | 12.6 | 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. | 2.3 | 208 |
| 12 | Where Carbon Goes When Water Flows: Carbon Cycling across the Aquatic Continuum. Frontiers in Marine Science, 2017, 4, . | 2.5 | 197 |
| 13 | Centers of organic carbon burial and oxidation at the land-ocean interface. Organic Geochemistry, 2018, 115, 138-155. | 1.8 | 184 |
| 14 | Temporal variability in sources of dissolved organic carbon in the lower Mississippi river. Geochimica Et Cosmochimica Acta, 2004, 68, 959-967. | 3.9 | 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. | 3.9 | 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. | 2.1 | 158 |
| 17 | Grazing enhances belowground carbon allocation, microbial biomass, and soil carbon in a subtropical grassland. Global Change Biology, 2018, 24, 2997-3009. | 9.5 | 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. | 2.1 | 148 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Moving beyond the van Krevelen Diagram: A New Stoichiometric Approach for Compound Classification in Organisms. Analytical Chemistry, 2018, 90, 6152-6160. | 6.5 | 140 |
| 20 | Historical trends of hypoxia on the Louisiana shelf: application of pigments as biomarkers. Organic Geochemistry, 2001, 32, 543-561. | 1.8 | 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. | 3.9 | 136 |
| 22 | History of Trace Metal Pollution in Sabine-Neches Estuary, Beaumont, Texas. Environmental Science & Technology, 1995, 29, 1495-1503. | 10.0 | 135 |
| 23 | Optical Proxies for Terrestrial Dissolved Organic Matter in Estuaries and Coastal Waters. Frontiers in Marine Science, 0, 2, . | 2.5 | 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. | 10.0 | 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. | 2.1 | 108 |
| 26 | Fjords as Aquatic Critical Zones (ACZs). Earth-Science Reviews, 2020, 203, 103145. | 9.1 | 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. | 2.3 | 101 |
| 28 | Enhanced transfer of terrestrially derived carbon to the atmosphere in a flooding event. Geophysical Research Letters, 2013, 40, 116-122. | 4.0 | 101 |
| 29 | Positive priming of terrestrially derived dissolved organic matter in a freshwater microcosm system. Geophysical Research Letters, 2015, 42, 5460-5467. | 4.0 | 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. | 3.3 | 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. | 1.5 | 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. | 2.2 | 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. | 6.5 | 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. | 3.0 | 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. | 3.1 | 92 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. | 2.3 | 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. | 2.2 | 90 |
| 39 | Historical trends of hypoxia in Changjiang River estuary: Applications of chemical biomarkers and microfossils. Journal of Marine Systems, 2011, 86, 57-68. | 2.1 | 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. | 1.5 | 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. | 1.3 | 87 |
| 42 | Partitioning of organic matter in continental margin sediments among density fractions. Marine Chemistry, 2009, 115, 211-225. | 2.3 | 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. | 1.8 | 84 |
| 44 | Phytoplankton Pigments in Baltic Sea Seston and Sediments: Seasonal Variability, Fluxes, and Transformations. Estuarine, Coastal and Shelf Science, 2002, 55, 369-383. | 2.1 | 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. | 3.1 | 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. | 2.1 | 82 |
| 48 | Enhanced terrestrial carbon preservation promoted by reactive iron in deltaic sediments. Geophysical Research Letters, 2016, 43, 1149-1157. | 4.0 | 82 |
| 49 | Mechanisms of ammonia and amino acid photoproduction from aquatic humic and colloidal matter. Water Research, 2001, 35, 3688-3696. | 11.3 | 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. | 3.9 | 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. | 2.1 | 76 |
| 52 | An interlaboratory study of TEX<sub>86</sub> and BIT analysis of sediments, extracts, and standard mixtures. Geochemistry, Geophysics, Geosystems, 2013, 14, 5263-5285. | 2.5 | 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. | 1.8 | 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. | 2.1 | 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. | 2.1 | 74 |
| 56 | Particulate and dissolved amino acids in the lower Mississippi and Pearl Rivers (USA). Marine Chemistry, 2007, 107, 214-229. | 2.3 | 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. | 4.0 | 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. | 3.0 | 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. | 2.5 | 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. | 2.3 | 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. | 1.8 | 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, . | 4.0 | 67 |
| 63 | Organic carbon burial in fjords: Terrestrial versus marine inputs. Earth and Planetary Science Letters, 2016, 451, 41-50. | 4.4 | 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. | 2.1 | 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. | 10.0 | 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. | 2.1 | 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. | 9.5 | 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. | 3.3 | 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. | 1.8 | 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. | 2.3 | 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. | 11.0 | 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. | 1.8 | 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. | 3.9 | 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. | 3.3 | 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. | 3.1 | 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. | 1.8 | 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. | 1.3 | 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. | 3.1 | 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, . | 2.5 | 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. | 1.9 | 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. | 3.0 | 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. | 3.1 | 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. | 7.1 | 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. | 11.0 | 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. | 3.1 | 42 |
| 90 | Early Diagenesis of Plant Pigments in Hudson River Sediments. Estuarine, Coastal and Shelf Science, 1993, 36, 517-527. | 2.1 | 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. | 12.9 | 41 |
| 93 | Controls on Organic Carbon Burial in the Eastern China Marginal Seas: A Regional Synthesis. Global Biogeochemical Cycles, 2021, 35, e2020GB006608. | 4.9 | 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. | 2.3 | 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. | 2.3 | 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. | 2.3 | 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. | 1.8 | 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. | 3.0 | 39 |
| 99 | Evidence for permafrost thaw and transport from an Alaskan North Slope watershed. Geophysical Research Letters, 2014, 41, 3117-3126. | 4.0 | 39 |
| 100 | Contribution of vascular-plant carbon to surface sediments across the coastal margin of Cyprus (eastern Mediterranean). Organic Geochemistry, 1999, 30, 287-297. | 1.8 | 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. | 2.3 | 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. | 5.0 | 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. | 3.0 | 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. | 2.1 | 37 |
| 106 | Positive feedback of consumer population density on resource supply. Trends in Ecology and Evolution, 1989, 4, 234-238. | 8.7 | 36 |
| 107 | Fundamental drivers of dissolved organic matter composition across an Arctic effective precipitation gradient. Limnology and Oceanography, 2020, 65, 1217-1234. | 3.1 | 36 |
| 108 | Tidal Wetland Gross Primary Production Across the Continental United States, 2000â€“2019. Global Biogeochemical Cycles, 2020, 34, e2019GB006349. | 4.9 | 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. | 1.5 | 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. | 2.6 | 34 |
| 111 | Dissolved Organic Matter Composition Drives the Marine Production of Brominated Very Short-Lived Substances. Environmental Science & Technology, 2015, 49, 3366-3374. | 10.0 | 34 |
| 112 | Biospheric and petrogenic organic carbon flux along southeast Alaska. Earth and Planetary Science Letters, 2016, 452, 238-246. | 4.4 | 34 |
| 113 | Can Reservoir Regulation Along the Yellow River Be a Sustainable Way to Save a Sinking Delta?. Earth's Future, 2020, 8, e2020EF001587. | 6.3 | 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. | 2.1 | 33 |
| 115 | Increased Organic Carbon Burial in Northern Florida Mangroveâ€Salt Marsh Transition Zones. Global Biogeochemical Cycles, 2020, 34, e2019GB006334. | 4.9 | 33 |
| 116 | Transport and fate of dissolved organic carbon in the Lake Pontchartrain esutary, Louisiana, U.S.A.. Biogeochemistry, 1997, 38, 207-226. | 3.5 | 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. | 1.4 | 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. | 3.9 | 32 |
| 119 | Photochemical changes in chemical markers of sedimentary organic matter source and age. Marine Chemistry, 2009, 113, 123-128. | 2.3 | 32 |
| 120 | Increasing Rates of Carbon Burial in Southwest Florida Coastal Wetlands. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005349. | 3.0 | 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. | 2.1 | 31 |
| 122 | Velocityâ€amplified microbial respiration rates in the lower Amazon River. Limnology and Oceanography Letters, 2018, 3, 265-274. | 3.9 | 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. | 1.5 | 30 |
| 124 | Influence of Grazing and Nitrogen on Benthic Algal Blooms in Diesel Fuel-Contaminated Saltmarsh Sediments. Environmental Science & Technology, 2000, 34, 107-111. | 10.0 | 30 |
| 125 | Title is missing!. Biogeochemistry, 2003, 62, 39-58. | 3.5 | 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. | 4.0 | 29 |
| 130 | Mangrove Methane Biogeochemistry in the Indian Sundarbans: A Proposed Budget. Frontiers in Marine Science, 2017, 4, . | 2.5 | 29 |
| 131 | Experimental degradation of plant materials in Hudson river sediments. Biogeochemistry, 1991, 12, 171. | 3.5 | 28 |
| 132 | Historical eutrophication in the Changjiang and Mississippi delta-front estuaries: Stable sedimentary chloropigments as biomarkers. Continental Shelf Research, 2012, 47, 133-144. | 1.8 | 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. | 4.4 | 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. | 4.0 | 28 |
| 135 | Feeding ecology ofLeitoscoloplos fragilis. Marine Biology, 1988, 99, 123-131. | 1.5 | 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. | 1.8 | 27 |
| 138 | Shallow lake trophic status linked to late Holocene climate and human impacts. Journal of Paleolimnology, 2009, 42, 51-64. | 1.6 | 26 |
| 139 | Detrital phosphorus as a proxy of flooding events in the Changjiang River Basin. Science of the Total Environment, 2015, 517, 22-30. | 8.0 | 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. | 3.0 | 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. | 2.1 | 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 | 1.8 | 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. | 3.0 | 25 |
| 144 | Formation of planktonic chromophoric dissolved organic matter in the ocean. Marine Chemistry, 2019, 209, 1-13. | 2.3 | 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. | 1.8 | 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. | 1.7 | 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. | 7.5 | 24 |
| 149 | Permafrost Organic Carbon Mobilization From the Watershed to the Colville River Delta: Evidence From <sup>14</sup>C Ramped Pyrolysis and Lignin Biomarkers. Geophysical Research Letters, 2017, 44, 11,491. | 4.0 | 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. | 1.8 | 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. | 1.4 | 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. | 1.7 | 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. | 1.8 | 22 |
| 155 | Impact of Wetland Decline on Decreasing Dissolved Organic Carbon Concentrations along the Mississippi River Continuum. Frontiers in Marine Science, 2017, 3, . | 2.5 | 21 |
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