Thomas S Bianchi

List of Publications by Year
in descending order

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	Molecular evidence for the export of terrigenous organic matter to the north Gulf of Mexico by solid-state 13C NMR and Fourier transform ion cyclotron resonance mass spectrometry of humic acids. Geochimica Et Cosmochimica Acta, 2022, 317, 39-52.	3.9	12
2	Reply to Wilson etÂal.: Feedbacks between geomorphology and fauna engineers are key to predicting coastal response to rising seas. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	0
3	Geochemical and Stable Fe Isotopic Analysis of Dissimilatory Microbial Iron Reduction in Chocolate Pots Hot Spring, Yellowstone National Park. Astrobiology, 2021, 21, 83-102.	3.0	0
4	The evolution of biogeochemistry: revisited. Biogeochemistry, 2021, 154, 141-181.	3.5	19
5	What global biogeochemical consequences will marine animalâ€“sediment interactions have during climate change?. Elementa, 2021, 9, .	3.2	17
6	Blue Carbon Soil Stock Development and Estimates Within Northern Florida Wetlands. Frontiers in Earth Science, 2021, 9, .	1.8	12
7	A call to evaluate Plasticâ€™s impacts on marine benthic ecosystem interaction networks. Environmental Pollution, 2021, 273, 116423.	7.5	13
8	Reply to Comment by R. Parkinson on â€œIncreasing Rates of Carbon Burial in Southwest Florida Coastal Wetlandsâ€•by J. Breithaupt etÂal.. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006245.	3.0	0
9	Controls on Organic Carbon Burial in the Eastern China Marginal Seas: A Regional Synthesis. Global Biogeochemical Cycles, 2021, 35, e2020GB006608.	4.9	41
10	Ideas and perspectives: Biogeochemistry â€“ some key foci for the future. Biogeosciences, 2021, 18, 3005-3013.	3.3	8
11	Recent Warming Fuels Increased Organic Carbon Export From Arctic Permafrost. AGU Advances, 2021, 2, e2021AV000396.	5.4	3
12	Plastics in the Earth system. Science, 2021, 373, 51-55.	12.6	290
13	The evolution of a coastal carbon store over the last millennium. Quaternary Science Reviews, 2021, 266, 107081.	3.0	6
14	Multiple biomarkers highlight the importance of water column processes in treatment wetland organic matter cycling. Water Research, 2020, 168, 115153.	11.3	10
15	Fundamental drivers of dissolved organic matter composition across an Arctic effective precipitation gradient. Limnology and Oceanography, 2020, 65, 1217-1234.	3.1	36
16	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
17	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
18	Dityrosine formation via reactive oxygen consumption yields increasingly recalcitrant humicâ€like fluorescent organic matter in the ocean. Limnology and Oceanography Letters, 2020, 5, 337-345.	3.9	15

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19	Fjords as Aquatic Critical Zones (ACZs). Earth-Science Reviews, 2020, 203, 103145.	9.1	104
20	Increasing Rates of Carbon Burial in Southwest Florida Coastal Wetlands. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005349.	3.0	32
21	Carbon Cycling in the World's Deepest Blue Hole. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005307.	3.0	17
22	Tidal Wetland Gross Primary Production Across the Continental United States, 2000â€“2019. Global Biogeochemical Cycles, 2020, 34, e2019GB006349.	4.9	36
23	Carbon Deposition and Burial in Estuarine Sediments of the Contiguous United States. Global Biogeochemical Cycles, 2020, 34, e2019GB006376.	4.9	8
24	Increased Organic Carbon Burial in Northern Florida Mangroveâ€Salt Marsh Transition Zones. Global Biogeochemical Cycles, 2020, 34, e2019GB006334.	4.9	33
25	Pathways for Methane Emissions and Oxidation that Influence the Net Carbon Balance of a Subtropical Cypress Swamp. Frontiers in Earth Science, 2020, 8, .	1.8	9
26	Mass balance implies Holocene development of a low-relief karst patterned landscape. Chemical Geology, 2019, 527, 118782.	3.3	13
27	Recent trophic state changes of selected Florida lakes inferred from bulk sediment geochemical variables and biomarkers. Journal of Paleolimnology, 2019, 62, 409-423.	1.6	7
28	Mechanisms of Organic Matter Export in Estuaries with Contrasting Carbon Sources. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3168-3188.	3.0	15
29	The future of Blue Carbon science. Nature Communications, 2019, 10, 3998.	12.8	406
30	Biogeochemical Response of Apalachicola Bay and the Shelf Waters to Hurricane Michael Using Ocean Color Semi-Analytic/Inversion and Hydrodynamic Models. Frontiers in Marine Science, 2019, 6, .	2.5	15
31	Initiation and Development of Wetlands in Southern Florida Karst Landscape Associated With Accumulation of Organic Matter and Vegetation Evolution. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1604-1617.	3.0	12
32	Linking chromophoric organic matter transformation with biomarker indices in a marine phytoplankton growth and degradation experiment. Marine Chemistry, 2019, 214, 103665.	2.3	11
33	Enhanced Aquatic Respiration Associated With Mixing of Clearwater Tributary and Turbid Amazon River Waters. Frontiers in Earth Science, 2019, 7, .	1.8	17
34	Factors Controlling Storage, Sources, and Diagenetic State of Organic Carbon in a Prograding Subaerial Delta: Wax Lake Delta, Louisiana. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1115-1131.	3.0	12
35	Millennial-scale carbon accumulation and molecular transformation in a permafrost core from Interior Alaska. Geochimica Et Cosmochimica Acta, 2019, 253, 231-248.	3.9	19
36	Editorial: The Role of Priming in Terrestrial and Aquatic Ecosystems. Frontiers in Earth Science, 2019, 7, .	1.8	6

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37	Marine microbial community responses related to wetland carbon mobilization in the coastal zone. Limnology and Oceanography Letters, 2019, 4, 25-33.	3.9	21
38	Formation of planktonic chromophoric dissolved organic matter in the ocean. Marine Chemistry, 2019, 209, 1-13.	2.3	25
39	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
40	Moving beyond the van Krevelen Diagram: A New Stoichiometric Approach for Compound Classification in Organisms. Analytical Chemistry, 2018, 90, 6152-6160.	6.5	140
41	Velocityâ€amplified microbial respiration rates in the lower Amazon River. Limnology and Oceanography Letters, 2018, 3, 265-274.	3.9	31
42	Grazing enhances belowground carbon allocation, microbial biomass, and soil carbon in a subtropical grassland. Global Change Biology, 2018, 24, 2997-3009.	9.5	157
43	A multi-proxy investigation of late-Holocene temperature change and climate-driven fluctuations in sediment sourcing: Simpson Lagoon, Alaska. Holocene, 2018, 28, 984-997.	1.7	5
44	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
45	Centers of organic carbon burial and oxidation at the land-ocean interface. Organic Geochemistry, 2018, 115, 138-155.	1.8	184
46	Differential effects of solidâ€phase extraction resins on the measurement of dissolved ligninâ€phenols and organic matter composition in natural waters. Limnology and Oceanography: Methods, 2018, 16, 22-34.	2.0	15
47	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
48	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
49	Partial least squares analysis to describe the interactions between sediment properties and water quality in an agricultural watershed. Journal of Hydrology, 2018, 566, 386-395.	5.4	3
50	Characterizing blue carbon stocks in Thalassia testudinum meadows subjected to different phosphorus supplies: A lignin biomarker approach. Limnology and Oceanography, 2018, 63, 2630-2646.	3.1	19
51	Seasonal Trends in Surface pCO2 and Air-Sea CO2 Fluxes in Apalachicola Bay, Florida, From VIIRS Ocean Color. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2466-2484.	3.0	9
52	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
53	The Fate and Transport of Allochthonous Blue Carbon in Divergent Coastal Systems. , 2018, , 27-49.		7
54	Sediment biomarkers elucidate the Holocene ontogeny of a shallow lake. PLoS ONE, 2018, 13, e0191073.	2.5	7

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55	Citation for presentation of the 2016 Alfred E. Treibs Award to Patrick G. Hatcher. Geochimica Et Cosmochimica Acta, 2017, 201, 434-435.	3.9	0
56	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
57	Erosion of modern terrestrial organic matter as a major component of sediments in fjords. Geophysical Research Letters, 2017, 44, 1457-1465.	4.0	29
58	The experimental flow to the Colorado River delta: Effects on carbon mobilization in a dry watercourse. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 607-627.	3.0	9
59	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
60	Old before your time: Ancient carbon incorporation in contemporary aquatic foodwebs. Limnology and Oceanography, 2017, 62, 1682-1700.	3.1	45
61	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
62	Carbon storage in the Mississippi River delta enhanced by environmental engineering. Nature Geoscience, 2017, 10, 846-851.	12.9	41
63	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
64	Carbon Dynamics Along a Temperate Fjordâ€Head Delta: Linkages With Carbon Burial in Fjords. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 3419-3430.	3.0	4
65	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.	4.0	23
66	Organic matter source and thermal maturity within the Late Cretaceous Niobrara Formation, U.S. Western Interior. Marine and Petroleum Geology, 2017, 86, 812-822.	3.3	5
67	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
68	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
69	Impact of Wetland Decline on Decreasing Dissolved Organic Carbon Concentrations along the Mississippi River Continuum. Frontiers in Marine Science, 2017, 3, .	2.5	21
70	Where Carbon Goes When Water Flows: Carbon Cycling across the Aquatic Continuum. Frontiers in Marine Science, 2017, 4, .	2.5	197
71	Mangrove Methane Biogeochemistry in the Indian Sundarbans: A Proposed Budget. Frontiers in Marine Science, 2017, 4, .	2.5	29
72	Editorial: Linking Optical and Chemical Properties of Dissolved Organic Matter in Natural Waters. Frontiers in Marine Science, 2016, 3, .	2.5	18

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73	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
74	Enhanced terrestrial carbon preservation promoted by reactive iron in deltaic sediments. Geophysical Research Letters, 2016, 43, 1149-1157.	4.0	82
75	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
76	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
77	Biospheric and petrogenic organic carbon flux along southeast Alaska. Earth and Planetary Science Letters, 2016, 452, 238-246.	4.4	34
78	Modern deposition rates and patterns of organic carbon burial in Fiordland, New Zealand. Geophysical Research Letters, 2016, 43, 11,768.	4.0	14
79	Organic carbon burial in fjords: Terrestrial versus marine inputs. Earth and Planetary Science Letters, 2016, 451, 41-50.	4.4	66
80	Organic carbon characteristics in Swedish forest soil trace postâ€depositional carbon dynamics. European Journal of Soil Science, 2016, 67, 492-503.	3.9	2
81	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
82	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
83	Association of Soil Aggregation with the Distribution and Quality of Organic Carbon in Soil along an Elevation Gradient on Wuyi Mountain in China. PLoS ONE, 2016, 11, e0150898.	2.5	15
84	Positive priming of terrestrially derived dissolved organic matter in a freshwater microcosm system. Geophysical Research Letters, 2015, 42, 5460-5467.	4.0	100
85	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
86	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.	4.0	19
87	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
88	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
89	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
90	Sources of organic matter in sediments of the Colville River delta, Alaska: A multi-proxy approach. Organic Geochemistry, 2015, 87, 96-106.	1.8	10

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91	Dissolved Organic Matter Composition Drives the Marine Production of Brominated Very Short-Lived Substances. Environmental Science & Technology, 2015, 49, 3366-3374.	10.0	34
92	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
93	High rates of organic carbon burial in fjord sediments globally. Nature Geoscience, 2015, 8, 450-453.	12.9	295
94	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
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	Historical Reconstruction of Phytoplankton Composition in Estuaries of Fiordland, New Zealand: the Application of Plant Pigment Biomarkers. Estuaries and Coasts, 2015, 38, 56-71.	2.2	11
97	Evidence for permafrost thaw and transport from an Alaskan North Slope watershed. Geophysical Research Letters, 2014, 41, 3117-3126.	4.0	39
98	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
99	Late Holocene sedimentation in a high Arctic coastal setting: Simpson Lagoon and Colville Delta, Alaska. Continental Shelf Research, 2014, 74, 11-24.	1.8	13
100	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
101	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
102	High frequency measurement of nitrate concentration in the Lower Mississippi River, USA. Journal of Hydrology, 2014, 519, 376-386.	5.4	20
103	Short- and long-term response of phytoplankton to ENSO in Prydz Bay, Antarctica: Evidences from field measurements, remote sensing data and stratigraphic biomarker records. Journal of Ocean University of China, 2014, 13, 437-444.	1.2	5
104	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
105	Amino acid cycling in the Mississippi River Plume and effects from the passage of Hurricanes Isadore and Lili. Journal of Marine Systems, 2014, 136, 10-21.	2.1	15
106	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
107	The changing carbon cycle of the coastal ocean. Nature, 2013, 504, 61-70.	27.8	1,146
108	Historical variability in past phytoplankton abundance and composition in Doubtful Sound, New Zealand. Continental Shelf Research, 2013, 69, 110-122.	1.8	6

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109	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
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	Spatial distribution of brominated very shortâ€lived substances in the eastern Pacific. Journal of Geophysical Research: Oceans, 2013, 118, 2318-2328.	2.6	14
112	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
113	Enhanced transfer of terrestrially derived carbon to the atmosphere in a flooding event. Geophysical Research Letters, 2013, 40, 116-122.	4.0	101
114	Freshwater and sediment dispersal in large river plumes. , 2013, , 55-85.		11
115	An interlaboratory study of TEX₈₆ and BIT analysis of sediments, extracts, and standard mixtures. Geochemistry, Geophysics, Geosystems, 2013, 14, 5263-5285.	2.5	76
116	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
117	Sediment, organic carbon, nutrients, and trace elements: sources, transport, and biogeochemical cycles in the lowermost Mississippi River. , 2013, , 397-420.		4
118	Geochemistry of the Congo River, estuary, and plume. , 2013, , 554-583.		5
119	Fluxes, processing, and fate of riverine organic and inorganic carbon in the Arctic Ocean. , 2013, , 530-553.		1
120	Blackcarbon in coastal and large river systems. , 2013, , 200-234.		9
121	Nutrient and carbon dynamics in a large river-dominated coastal ecosystem: the Mississippi-Atchafalaya River system. , 2013, , 448-472.		7
122	The Nile delta in the anthropocene: drivers of coastal change and impacts on land-ocean material transfer. , 2013, , 584-605.		1
123	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
124	Water and sediment dynamics through the wetlands and coastal water bodies of large river deltaic plains. , 2013, , 21-54.		2
125	Carbon dioxide dynamics and fluxes in coastal waters influenced by river plumes. , 2013, , 155-173.		14
126	Sedimentary carbon dynamics of the Atchafalaya and Mississippi River Delta system and associated margin. , 2013, , 473-502.		2

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127	Composition and fluxes of carbon and nutrient species from the Yukon River basin in a changing environment. , 2013, , 503-529.		2
128	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
129	Algal community responses to shallow lake dystrophication1This article is derived from a special session entitled â€œAÂNew Hydrology: Inflow Effects on Ecosystem Form and Functioningâ€•that took place at the February 2011 ASLO Aquatic Sciences conference in SanÂJuan, Puerto Rico.. Canadian Journal of Fisheries and Aquatic Sciences, 2012, 69, 1433-1443.	1.4	16
130	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
131	The ocean in near equilibrium with atmospheric methyl bromide. Global Biogeochemical Cycles, 2012, 26, .	4.9	10
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	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
134	Hurricane Katrina impact on water quality in the East Pearl River, Mississippi. Journal of Hydrology, 2012, 414-415, 388-392.	5.4	17
135	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
136	Historical changes in terrestrially derived organic carbon inputs to Louisiana continental margin sediments over the past 150 years. Journal of Geophysical Research, 2011, 116, .	3.3	14
137	Dissolved Organic Carbon Cycling and Transformation. , 2011, , 7-67.		84
138	Particulate Organic Carbon Cycling and Transformation. , 2011, , 69-117.		41
139	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
140	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
141	Burial and degradation of organic carbon in Louisiana shelf/slope sediments. Estuarine, Coastal and Shelf Science, 2011, 95, 232-244.	2.1	16
142	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
143	Temperature Control on Soluble Reactive Phosphorus in the Lower Mississippi River?. Estuaries and Coasts, 2011, 34, 78-89.	2.2	10
144	Orthogonal design for optimization of pigment extraction from surface sediments of the Changjiang River Estuary. Acta Oceanologica Sinica, 2011, 30, 33-42.	1.0	6

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145	Diamondoids and biomarkers: as a tool to better define the effects of thermal cracking and microbial oxidation on oils/condensates from reservoirs of the Upper Indus Basin, Pakistan. Carbonates and Evaporites, 2011, 26, 155-165.	1.0	4
146	Stable Isotopes and Radiocarbon. , 2011, , .		0
147	Lignins, Cutins, and Suberins. , 2011, , .		0
148	Chemical Biomarker Applications to Ecology and Paleoecology. , 2011, , .		0
149	Lipids: Fatty Acids. , 2011, , .		0
150	Nucleic Acids and Molecular Tools. , 2011, , .		0
151	Metabolic Synthesis. , 2011, , .		0
152	Lipids: Alkenones, Polar Lipids, and Ether Lipids. , 2011, , .		0
153	Photosynthetic Pigments: Chlorophylls, Carotenoids, and Phycobilins. , 2011, , .		2
154	Lipids: Hydrocarbons. , 2011, , .		0
155	Proteins: Amino Acids and Amines. , 2011, , .		0
156	Isoprenoid Lipids: Steroids, Hopanoids, and Triterpenoids. , 2011, , .		0
157	Carbohydrates: Neutral and Minor Sugars. , 2011, , .		0
158	Anthropogenic Markers. , 2011, , .		0
159	Analytical Chemical Methods and Instrumentation. , 2011, , .		0
160	Sorption and desorption dynamics of bulk dissolved organic matter and amino acids in the Mississippi River plume - a microcosm study. Marine and Freshwater Research, 2010, 61, 1067.	1.3	15
161	Effects of tributary inputs on nutrient export from the Mississippi and Atchafalaya Rivers to the Gulf of Mexico. Marine and Freshwater Research, 2010, 61, 1029.	1.3	12
162	Carbonate Chemistry Dynamics of Surface Waters in the Northern Gulf of Mexico. Aquatic Geochemistry, 2010, 16, 337-351.	1.3	17

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163	The science of hypoxia in the Northern Gulf of Mexico: A review. Science of the Total Environment, 2010, 408, 1471-1484.	8.0	317
164	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
165	New Approaches to the Gulf Hypoxia Problem. Eos, 2010, 91, 173-173.	0.1	5
166	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
167	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
168	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
169	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
170	Shallow lake trophic status linked to late Holocene climate and human impacts. Journal of Paleolimnology, 2009, 42, 51-64.	1.6	26
171	Photochemical changes in chemical markers of sedimentary organic matter source and age. Marine Chemistry, 2009, 113, 123-128.	2.3	32
172	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
173	Partitioning of organic matter in continental margin sediments among density fractions. Marine Chemistry, 2009, 115, 211-225.	2.3	86
174	An interlaboratory study of TEX₈₆ and BIT analysis using highâ€performance liquid chromatographyâ€“mass spectrometry. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	52
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