Thomas S Bianchi

List of Publications by Year in Descending Order

244 papers	10,705 citations	57 h-index	93 g-index
275 ext. papers	12,621 ext. citations	4.9 avg, IF	6.56 L-index

#	Paper	IF	Citations
244	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*, **2021**,	5.5	2
243	A call to evaluate Plastic's impacts on marine benthic ecosystem interaction networks. *Environmental Pollution*, **2021**, 273, 116423	9.3	5
242	Reply to Comment by R. Parkinson on "Increasing Rates of Carbon Burial in Southwest Florida Coastal Wetlands" by J. Breithaupt et´al.. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2021JG006245	3.7	
241	Controls on Organic Carbon Burial in the Eastern China Marginal Seas: A Regional Synthesis. *Global Biogeochemical Cycles*, **2021**, 35, e2020GB006608	5.9	8
240	Ideas and perspectives: Biogeochemistry some key foci for the future. *Biogeosciences*, **2021**, 18, 3005-3018	4.8	1
239	Recent Warming Fuels Increased Organic Carbon Export From Arctic Permafrost. *AGU Advances*, **2021**, 2, e2021AV000396	5.4	2
238	Plastics in the Earth system. *Science*, **2021**, 373, 51-55	33.3	59
237	Geochemical and Stable Fe Isotopic Analysis of Dissimilatory Microbial Iron Reduction in Chocolate Pots Hot Spring, Yellowstone National Park. *Astrobiology*, **2021**, 21, 83-102	3.7	
236	The evolution of biogeochemistry: revisited. *Biogeochemistry*, **2021**, 154, 141-181	3.8	4
235	What global biogeochemical consequences will marine animal–sediment interactions have during climate change?. *Elementa*, **2021**, 9,	3.6	2
234	Blue Carbon Soil Stock Development and Estimates Within Northern Florida Wetlands. *Frontiers in Earth Science*, **2021**, 9,	3.5	1
233	The evolution of a coastal carbon store over the last millennium. *Quaternary Science Reviews*, **2021**, 266, 107081	3.9	2
232	Fjords as Aquatic Critical Zones (ACZs). *Earth-Science Reviews*, **2020**, 203, 103145	10.2	45
231	Increasing Rates of Carbon Burial in Southwest Florida Coastal Wetlands. *Journal of Geophysical Research G: Biogeosciences*, **2020**, 125, e2019JG005349	3.7	15
230	Carbon Cycling in the World's Deepest Blue Hole. *Journal of Geophysical Research G: Biogeosciences*, **2020**, 125, e2019JG005307	3.7	5
229	Tidal Wetland Gross Primary Production Across the Continental United States, 2000–2019. *Global Biogeochemical Cycles*, **2020**, 34, e2019GB006349	5.9	14
228	Carbon Deposition and Burial in Estuarine Sediments of the Contiguous United States. *Global Biogeochemical Cycles*, **2020**, 34, e2019GB006376	5.9	3

227	Multiple biomarkers highlight the importance of water column processes in treatment wetland organic matter cycling. *Water Research*, **2020**, 168, 115153	12.5	3
226	Fundamental drivers of dissolved organic matter composition across an Arctic effective precipitation gradient. *Limnology and Oceanography*, **2020**, 65, 1217-1234	4.8	14
225	Can Reservoir Regulation Along the Yellow River Be a Sustainable Way to Save a Sinking Delta?. *Earth's Future*, **2020**, 8, e2020EF001587	7.9	13
224	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	11.5	16
223	Dityrosine formation via reactive oxygen consumption yields increasingly recalcitrant humic-like fluorescent organic matter in the ocean. *Limnology and Oceanography Letters*, **2020**, 5, 337-345	7.9	9
222	Increased Organic Carbon Burial in Northern Florida Mangrove-Salt Marsh Transition Zones. *Global Biogeochemical Cycles*, **2020**, 34, e2019GB006334	5.9	9
221	The future of Blue Carbon science. *Nature Communications*, **2019**, 10, 3998	17.4	165
220	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,	4.5	7
219	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	3.7	6
218	Linking chromophoric organic matter transformation with biomarker indices in a marine phytoplankton growth and degradation experiment. *Marine Chemistry*, **2019**, 214, 103665	3.7	4
217	Enhanced Aquatic Respiration Associated With Mixing of Clearwater Tributary and Turbid Amazon River Waters. *Frontiers in Earth Science*, **2019**, 7,	3.5	9
216	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	3.7	9
215	Millennial-scale carbon accumulation and molecular transformation in a permafrost core from Interior Alaska. *Geochimica Et Cosmochimica Acta*, **2019**, 253, 231-248	5.5	9
214	Mass balance implies Holocene development of a low-relief karst patterned landscape. *Chemical Geology*, **2019**, 527, 118782	4.2	7
213	Recent trophic state changes of selected Florida lakes inferred from bulk sediment geochemical variables and biomarkers. *Journal of Paleolimnology*, **2019**, 62, 409-423	2.1	2
212	Mechanisms of Organic Matter Export in Estuaries with Contrasting Carbon Sources. *Journal of Geophysical Research G: Biogeosciences*, **2019**, 124, 3168-3188	3.7	5
211	Marine microbial community responses related to wetland carbon mobilization in the coastal zone. *Limnology and Oceanography Letters*, **2019**, 4, 25-33	7.9	15
210	Formation of planktonic chromophoric dissolved organic matter in the ocean. *Marine Chemistry*, **2019**, 209, 1-13	3.7	15

209	A Late Pleistocene-Holocene multi-proxy record of climate variability in the Jazmurian playa, southeastern Iran. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2019**, 514, 754-767	2.9	21
208	Moving beyond the van Krevelen Diagram: A New Stoichiometric Approach for Compound Classification in Organisms. *Analytical Chemistry*, **2018**, 90, 6152-6160	7.8	66
207	Velocity-amplified microbial respiration rates in the lower Amazon River. *Limnology and Oceanography Letters*, **2018**, 3, 265-274	7.9	19
206	Grazing enhances belowground carbon allocation, microbial biomass, and soil carbon in a subtropical grassland. *Global Change Biology*, **2018**, 24, 2997-3009	11.4	75
205	A multi-proxy investigation of late-Holocene temperature change and climate-driven fluctuations in sediment sourcing: Simpson Lagoon, Alaska. *Holocene*, **2018**, 28, 984-997	2.6	4
204	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	3.1	16
203	Centers of organic carbon burial and oxidation at the land-ocean interface. *Organic Geochemistry*, **2018**, 115, 138-155	3.1	103
202	Characterizing blue carbon stocks in Thalassia testudinum meadows subjected to different phosphorus supplies: A lignin biomarker approach. *Limnology and Oceanography*, **2018**, 63, 2630-2646	4.8	9
201	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	3.7	7
200	The remineralization of sedimentary organic carbon in different sedimentary regimes of the Yellow and East China Seas. *Chemical Geology*, **2018**, 495, 104-117	4.2	31
199	The Fate and Transport of Allochthonous Blue Carbon in Divergent Coastal Systems **2018**, 27-49		2
198	Sediment biomarkers elucidate the Holocene ontogeny of a shallow lake. *PLoS ONE*, **2018**, 13, e0191073	3.7	4
197	Differential effects of solid-phase extraction resins on the measurement of dissolved lignin-phenols and organic matter composition in natural waters. *Limnology and Oceanography: Methods*, **2018**, 16, 22-34	2.6	6
196	A rapid and precise method for the analysis of underivatized amino acids in natural samples using volatile-ion-pairing reverse-phase liquid chromatography–electrospray ionization tandem mass spectrometry. *Organic Geochemistry*, **2018**, 115, 46-56	3.1	17
195	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	3.7	15
194	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	6	3
193	Citation for presentation of the 2016 Alfred E. Treibs Award to Patrick G. Hatcher. *Geochimica Et Cosmochimica Acta*, **2017**, 201, 434-435	5.5	
192	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	13.2	40

191	Erosion of modern terrestrial organic matter as a major component of sediments in fjords. *Geophysical Research Letters*, **2017**, 44, 1457-1465	4.9	20
190	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	3.7	6
189	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	3.7	15
188	Old before your time: Ancient carbon incorporation in contemporary aquatic foodwebs. *Limnology and Oceanography*, **2017**, 62, 1682-1700	4.8	32
187	Early diagenesis and authigenic mineral formation in mobile muds of the Changjiang Estuary and adjacent shelf. *Journal of Marine Systems*, **2017**, 172, 64-74	2.7	17
186	Carbon storage in the Mississippi River delta enhanced by environmental engineering. *Nature Geoscience*, **2017**, 10, 846-851	18.3	28
185	The spatial distribution of soil organic carbon in tidal wetland soils of the continental United States. *Global Change Biology*, **2017**, 23, 5468-5480	11.4	46
184	Carbon Dynamics Along a Temperate Fjord-Head Delta: Linkages With Carbon Burial in Fjords. *Journal of Geophysical Research G: Biogeosciences*, **2017**, 122, 3419-3430	3.7	3
183	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	4.9	16
182	Organic matter source and thermal maturity within the Late Cretaceous Niobrara Formation, U.S. Western Interior. *Marine and Petroleum Geology*, **2017**, 86, 812-822	4.7	3
181	Inconsistencies between C and short-lived radionuclides-based sediment accumulation rates: Effects of long-term remineralization. *Journal of Environmental Radioactivity*, **2017**, 174, 10-16	2.4	18
180	Turbidity in Apalachicola Bay, Florida from Landsat 5 TM and Field Data: Seasonal Patterns and Response to Extreme Events. *Remote Sensing*, **2017**, 9, 367	5	24
179	Impact of Wetland Decline on Decreasing Dissolved Organic Carbon Concentrations along the Mississippi River Continuum. *Frontiers in Marine Science*, **2017**, 3,	4.5	13
178	Where Carbon Goes When Water Flows: Carbon Cycling across the Aquatic Continuum. *Frontiers in Marine Science*, **2017**, 4,	4.5	112
177	Mangrove Methane Biogeochemistry in the Indian Sundarbans: A Proposed Budget. *Frontiers in Marine Science*, **2017**, 4,	4.5	24
176	Modern deposition rates and patterns of organic carbon burial in Fiordland, New Zealand. *Geophysical Research Letters*, **2016**, 43, 11,768	4.9	9
175	Organic carbon burial in fjords: Terrestrial versus marine inputs. *Earth and Planetary Science Letters*, **2016**, 451, 41-50	5.3	46
174	Organic carbon characteristics in Swedish forest soil trace post-depositional carbon dynamics. *European Journal of Soil Science*, **2016**, 67, 492-503	3.4	2

173	Partitioning of organic carbon among density fractions in surface sediments of Fiordland, New Zealand. *Journal of Geophysical Research G: Biogeosciences*, **2016**, 121, 1016-1031	3.7	20
172	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	5.3	21
171	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	3.7	10
170	Deltas and Humans **2016**,		10
169	Optical Proxies for Terrestrial Dissolved Organic Matter in Estuaries and Coastal Waters. *Frontiers in Marine Science*, **2016**, 2,	4.5	73
168	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	15.3	33
167	Enhanced terrestrial carbon preservation promoted by reactive iron in deltaic sediments. *Geophysical Research Letters*, **2016**, 43, 1149-1157	4.9	52
166	The reactivity of plant-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	3.7	60
165	Composition and depth distribution of hydrocarbons in Barataria Bay marsh sediments after the Deepwater Horizon oil spill. *Environmental Pollution*, **2016**, 214, 101-113	9.3	19
164	Biospheric and petrogenic organic carbon flux along southeast Alaska. *Earth and Planetary Science Letters*, **2016**, 452, 238-246	5.3	21
163	Detrital phosphorus as a proxy of flooding events in the Changjiang River Basin. *Science of the Total Environment*, **2015**, 517, 22-30	10.2	21
162	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	2.6	20
161	Sources of organic matter in sediments of the Colville River delta, Alaska: A multi-proxy approach. *Organic Geochemistry*, **2015**, 87, 96-106	3.1	9
160	Dissolved organic matter composition drives the marine production of brominated very short-lived substances. *Environmental Science & Technology*, **2015**, 49, 3366-74	10.3	31
159	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	4.2	42
158	High rates of organic carbon burial in fjord sediments globally. *Nature Geoscience*, **2015**, 8, 450-453	18.3	197
157	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	3.3	42
156	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	3.7	30

155	Historical Reconstruction of Phytoplankton Composition in Estuaries of Fiordland, New Zealand: the Application of Plant Pigment Biomarkers. *Estuaries and Coasts*, **2015**, 38, 56-71	2.8	9
154	Positive priming of terrestrially derived dissolved organic matter in a freshwater microcosm system. *Geophysical Research Letters*, **2015**, 42, 5460-5467	4.9	72
153	A multiproxy analysis of sedimentary organic carbon in the Changjiang Estuary and adjacent shelf. *Journal of Geophysical Research G: Biogeosciences*, **2015**, 120, 1407-1429	3.7	59
152	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	4.9	15
151	Characterization of Wetland Soil Organic Matter. *Soil Science Society of America Book Series*, **2015**, 289-316		
150	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	2.9	29
149	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	2.9	62
148	Late Holocene sedimentation in a high Arctic coastal setting: Simpson Lagoon and Colville Delta, Alaska. *Continental Shelf Research*, **2014**, 74, 11-24	2.4	12
147	Deepwater Horizon oil in Gulf of Mexico waters after 2 years: transformation into the dissolved organic matter pool. *Environmental Science & Technology*, **2014**, 48, 9288-97	10.3	45
146	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	2.4	54
145	High frequency measurement of nitrate concentration in the Lower Mississippi River, USA. *Journal of Hydrology*, **2014**, 519, 376-386	6	17
144	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
143	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	2.7	63
142	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	2.7	14
141	Evidence for permafrost thaw and transport from an Alaskan North Slope watershed. *Geophysical Research Letters*, **2014**, 41, 3117-3126	4.9	33
140	Land use, water quality, and the history of coral assemblages at Bocas del Toro, Panam *Marine Ecology - Progress Series*, **2014**, 504, 159-170	2.6	34
139	The changing carbon cycle of the coastal ocean. *Nature*, **2013**, 504, 61-70	50.4	783
138	Historical variability in past phytoplankton abundance and composition in Doubtful Sound, New Zealand. *Continental Shelf Research*, **2013**, 69, 110-122	2.4	5

137	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	2.9	125
136	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	3.3	32
135	Spatial distribution of brominated very short-lived substances in the eastern Pacific. *Journal of Geophysical Research: Oceans*, **2013**, 118, 2318-2328	3.3	13
134	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	3.7	36
133	Enhanced transfer of terrestrially derived carbon to the atmosphere in a flooding event. *Geophysical Research Letters*, **2013**, 40, 116-122	4.9	82
132	An interlaboratory study of TEX86 and BIT analysis of sediments, extracts, and standard mixtures. *Geochemistry, Geophysics, Geosystems*, **2013**, 14, 5263-5285	3.6	62
131	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	3.7	38
130	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	5	57
129	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	2.9	136
128	Hurricane Katrina impact on water quality in the East Pearl River, Mississippi. *Journal of Hydrology*, **2012**, 414-415, 388-392	6	17
127	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	3.7	71
126	Algal community responses to shallow lake dystrophication1This article is derived from a special session entitled A New Hydrology: Inflow Effects on Ecosystem Form and Functioning that took place at the February 2011 ASLO Aquatic Sciences conference in San Juan, Puerto Rico.. *Canadian Journal of Fisheries and Aquatic Sciences*, **2012**, 69, 1433-1443	2.4	14
125	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	5.5	73
124	Estuarine Chemistry **2012**, 39-83		4
123	The ocean in near equilibrium with atmospheric methyl bromide. *Global Biogeochemical Cycles*, **2012**, 26,	5.9	8
122	Historical eutrophication in the Changjiang and Mississippi delta-front estuaries: Stable sedimentary chloropigments as biomarkers. *Continental Shelf Research*, **2012**, 47, 133-144	2.4	25
121	Historical changes in terrestrially derived organic carbon inputs to Louisiana continental margin sediments over the past 150 years. *Journal of Geophysical Research*, **2011**, 116,		11
120	Dissolved Organic Carbon Cycling and Transformation **2011**, 7-67		65

119	Particulate Organic Carbon Cycling and Transformation **2011**, 69-117		22
118	Historical trends of hypoxia in Changjiang River estuary: Applications of chemical biomarkers and microfossils. *Journal of Marine Systems*, **2011**, 86, 57-68	2.7	77
117	Impacts of diverted freshwater on dissolved organic matter and microbial communities in Barataria Bay, Louisiana, U.S.A. *Marine Environmental Research*, **2011**, 72, 248-57	3.3	51
116	Burial and degradation of organic carbon in Louisiana shelf/slope sediments. *Estuarine, Coastal and Shelf Science*, **2011**, 95, 232-244	2.9	13
115	Sources of Terrestrial Organic Carbon in the Mississippi Plume Region: Evidence for the Importance of Coastal Marsh Inputs. *Aquatic Geochemistry*, **2011**, 17, 431-456	1.7	69
114	Temperature Control on Soluble Reactive Phosphorus in the Lower Mississippi River?. *Estuaries and Coasts*, **2011**, 34, 78-89	2.8	10
113	Orthogonal design for optimization of pigment extraction from surface sediments of the Changjiang River Estuary. *Acta Oceanologica Sinica*, **2011**, 30, 33-42	1	6
112	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	1.3	3
111	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, 19473-81	11.5	448
110	Chemical Biomarkers in Aquatic Ecosystems **2011**,		54
109	Chemical Biomarkers in Aquatic Ecosystems **2011**,		26
108	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	1.9	24
107	New Approaches to the Gulf Hypoxia Problem. *Eos*, **2010**, 91, 173-173	1.5	4
106	Enrichment and detection of Escherichia coli O157:H7 from water samples using an antibody modified microfluidic chip. *Analytical Chemistry*, **2010**, 82, 2844-9	7.8	86
105	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	3.1	51
104	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	2.2	9
103	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	2.2	12
102	Carbonate Chemistry Dynamics of Surface Waters in the Northern Gulf of Mexico. *Aquatic Geochemistry*, **2010**, 16, 337-351	1.7	16

101	The science of hypoxia in the Northern Gulf of Mexico: a review. *Science of the Total Environment*, **2010**, 408, 1471-84	10.2	246
100	Large-river delta-front estuaries as natural "recorders" of global environmental change. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 8085-92	11.5	371
99	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, 154-63	6.7	32
98	Shallow lake trophic status linked to late Holocene climate and human impacts. *Journal of Paleolimnology*, **2009**, 42, 51-64	2.1	25
97	Photochemical changes in chemical markers of sedimentary organic matter source and age. *Marine Chemistry*, **2009**, 113, 123-128	3.7	28
96	A gradient of dissolved organic carbon and lignin from Terrebonne Timbalier Bay estuary to the Louisiana shelf (USA). *Marine Chemistry*, **2009**, 117, 32-41	3.7	52
95	Partitioning of organic matter in continental margin sediments among density fractions. *Marine Chemistry*, **2009**, 115, 211-225	3.7	62
94	An interlaboratory study of TEX86 and BIT analysis using high-performance liquid chromatography mass spectrometry. *Geochemistry, Geophysics, Geosystems*, **2009**, 10, n/a-n/a	3.6	50
93	Storm-Generated Sediment Distribution Along the Northwest Florida Inner Continental Shelf. *IEEE Journal of Oceanic Engineering*, **2009**, 34, 495-515	3.3	9
92	Controlling Hypoxia on the U.S. Louisiana Shelf: Beyond the Nutrient-Centric View. *Eos*, **2008**, 89, 236	1.5	27
91	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	3.1	33
90	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	2.4	23
89	Microbial food web contributions to bottom water hypoxia in the northern Gulf of Mexico. *Continental Shelf Research*, **2008**, 28, 1127-1137	2.4	24
88	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	2.4	56
87	Carbon burial on river-dominated continental shelves: Impact of historical changes in sediment loading adjacent to the Mississippi River. *Geophysical Research Letters*, **2007**, 34,	4.9	59
86	Variability in the bulk composition and abundance of dissolved organic matter in the lower Mississippi and Pearl rivers. *Journal of Geophysical Research*, **2007**, 112,		38
85	Geochemistry of Marine Sediments. *Eos*, **2007**, 88, 507-507	1.5	0
84	A 28-ka history of sea surface temperature, primary productivity and planktonic community variability in the western Arabian Sea. *Paleoceanography*, **2007**, 22, n/a-n/a		23

83	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	3.7	68
82	Particulate and dissolved amino acids in the lower Mississippi and Pearl Rivers (USA). *Marine Chemistry*, **2007**, 107, 214-229	3.7	61
81	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	2.9	96
80	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	5.5	121
79	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	2.8	87
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