

# Alberto V Borges

## List of Publications by Year in descending order

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Version: 2024-02-01

172  
papers

14,354  
citations

18465

62  
h-index

24961

109  
g-index

223  
all docs

223  
docs citations

223  
times ranked

11098  
citing authors

#	ARTICLE	IF	CITATIONS
1	Need for harmonized long-term multi-lake monitoring of African Great Lakes. <i>Journal of Great Lakes Research</i> , 2023, 49, 101988.	0.8	16
2	Inundation, Hydrodynamics and Vegetation Influence Carbon Dioxide Concentrations in Amazon Floodplain Lakes. <i>Ecosystems</i> , 2022, 25, 911-930.	1.6	9
3	Carbon dynamics and CO <sub>2</sub> and CH <sub>4</sub> exchange in the mangrove dominated Guayas river delta, Ecuador. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 267, 107766.	0.9	7
4	Greenhouse gas emissions from African lakes are no longer a blind spot. <i>Science Advances</i> , 2022, 8, .	4.7	25
5	The possible occurrence of iron-dependent anaerobic methane oxidation in an Archean Ocean analogue. <i>Scientific Reports</i> , 2021, 11, 1597.	1.6	6
6	Half of global methane emissions come from highly variable aquatic ecosystem sources. <i>Nature Geoscience</i> , 2021, 14, 225-230.	5.4	388
7	Net community metabolism of a <i>Posidonia oceanica</i> meadow. <i>Limnology and Oceanography</i> , 2021, 66, 2126-2140.	1.6	9
8	Limnological changes in Lake Victoria since the mid-20 <sup>th</sup> century. <i>Freshwater Biology</i> , 2021, 66, 1630-1647.	1.2	6
9	Response of dimethylsulfoniopropionate (DMSP) and dimethylsulfoxide (DMSO) cell quotas to oxidative stress in three phytoplankton species. <i>Journal of Plankton Research</i> , 2021, 43, 673-690.	0.8	2
10	Dynamics of nitrous oxide with depth in groundwater: Insights from ambient groundwater and laboratory incubation experiments (Hesbaye chalk aquifer, Belgium). <i>Journal of Contaminant Hydrology</i> , 2021, 241, 103797.	1.6	1
11	Nitrate-dependent anaerobic methane oxidation and chemolithotrophic denitrification in a temperate eutrophic lake. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	9
12	Freshwater bivalve shells as hydrologic archives in the Congo Basin. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 308, 101-117.	1.6	2
13	Dimethylsulfoniopropionate and dimethylsulfoxide in <i>Posidonia oceanica</i> . <i>Marine Biology</i> , 2021, 168, 1.	0.7	0
14	Changes in chlorophyll concentration and phenology in the North Sea in relation to de-eutrophication and sea surface warming. <i>Limnology and Oceanography</i> , 2020, 65, 828-847.	1.6	38
15	Editorial: Structure, Functioning and Conservation of Coastal Vegetated Wetlands. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	3
16	A 15-Month Survey of Dimethylsulfoniopropionate and Dimethylsulfoxide Content in <i>Posidonia oceanica</i> . <i>Frontiers in Ecology and Evolution</i> , 2020, 7, .	1.1	3
17	Dissolved organic matter composition and reactivity in Lake Victoria, the world's largest tropical lake. <i>Biogeochemistry</i> , 2020, 150, 61-83.	1.7	10
18	Diversity and ecology of phytoplankton in Lake Edward (East Africa): Present status and long-term changes. <i>Journal of Great Lakes Research</i> , 2020, 46, 741-751.	0.8	12

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19	East Siberian Arctic inland waters emit mostly contemporary carbon. <i>Nature Communications</i> , 2020, 11, 1627.	5.8	43
20	Methane paradox in tropical lakes? Sedimentary fluxes rather than pelagic production in oxic conditions sustain methanotrophy and emissions to the atmosphere. <i>Biogeosciences</i> , 2020, 17, 5209-5221.	1.3	19
21	Ideas and perspectives: A strategic assessment of methane and nitrous oxide measurements in the marine environment. <i>Biogeosciences</i> , 2020, 17, 5809-5828.	1.3	16
22	Salinity and growth effects on dimethylsulfoniopropionate (DMSP) and dimethylsulfoxide (DMSO) cell quotas of <i>Skeletonema costatum</i> , <i>Phaeocystis globosa</i> and <i>Heterocapsa triquetra</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2019, 226, 106275.	0.9	12
23	Variations in dissolved greenhouse gases (CO <sub>2</sub> and CH <sub>4</sub> ) in the Amazon floodplain lake. <i>Science of the Total Environment</i> , 2019, 630, 1381-1393.	1.3	93
24	River network overwhelmingly driven by fluvial-wetland connectivity. <i>Biogeosciences</i> , 2019, 16, 3801-3834.	1.3	93
24	Response of marine methane dissolved concentrations and emissions in the Southern North Sea to the European 2018 heatwave. <i>Continental Shelf Research</i> , 2019, 190, 104004.	0.9	14
25	Diffusive emissions of methane and nitrous oxide from a cascade of tropical hydropower reservoirs in Kenya. <i>Lakes and Reservoirs: Research and Management</i> , 2019, 24, 127-135.	0.6	7
26	Ideas and perspectives: Carbon leaks from flooded land: do we need to replumb the inland water active pipe?. <i>Biogeosciences</i> , 2019, 16, 769-784.	1.3	63
27	Dynamics of greenhouse gases in groundwater: hydrogeological and hydrogeochemical controls. <i>Applied Geochemistry</i> , 2019, 105, 31-44.	1.4	12
28	Inter-annual variations over a decade of primary production of the seagrass <i>Posidonia oceanica</i> . <i>Limnology and Oceanography</i> , 2019, 64, 32-45.	1.6	17
29	Determination of dimethylsulfoniopropionate and dimethylsulfoxide in <i>Posidonia oceanica</i> leaf tissue. <i>MethodsX</i> , 2019, 6, 56-62.	0.7	8
30	The roles of climate and human land-use in the late Holocene rainforest crisis of Central Africa. <i>Earth and Planetary Science Letters</i> , 2019, 505, 30-41.	1.8	24
31	Seasonal and inter-annual variations in carbon fluxes in a tropical river system (Tana River, Kenya). <i>Aquatic Sciences</i> , 2018, 80, 1.	0.6	6
32	Annual cycle of dimethylsulfoniopropionate (DMSP) and dimethylsulfoxide (DMSO) related to phytoplankton succession in the Southern North Sea. <i>Science of the Total Environment</i> , 2018, 622-623, 362-372.	3.9	37
33	Influence of plankton metabolism and mixing depth on CO <sub>2</sub> dynamics in an Amazon floodplain lake. <i>Science of the Total Environment</i> , 2018, 630, 1381-1393.	3.9	36
34	Occurrence of greenhouse gases in the aquifers of the Walloon Region (Belgium). <i>Science of the Total Environment</i> , 2018, 619-620, 1579-1588.	3.9	21
35	The silicon isotopic composition of fine-grained river sediments and its relation to climate and lithology. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 229, 147-161.	1.6	33
36	Isotopic composition of nitrogen species in groundwater under agricultural areas: A review. <i>Science of the Total Environment</i> , 2018, 621, 1415-1432.	3.9	186

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37	Effects of agricultural land use on fluvial carbon dioxide, methane and nitrous oxide concentrations in a large European river, the Meuse (Belgium). <i>Science of the Total Environment</i> , 2018, 610-611, 342-355.	3.9	138
38	Denitrification, anaerobic ammonium oxidation, and dissimilatory nitrate reduction to ammonium in an East African Great Lake (Lake Kivu). <i>Limnology and Oceanography</i> , 2018, 63, 687-701.	1.6	46
39	Productivity and Temperature as Drivers of Seasonal and Spatial Variations of Dissolved Methane in the Southern Bight of the North Sea. <i>Ecosystems</i> , 2018, 21, 583-599.	1.6	63
40	An intercomparison of oceanic methane and nitrous oxide measurements. <i>Biogeosciences</i> , 2018, 15, 5891-5907.	1.3	42
41	Social-environmental analysis of methane in the South China Sea and bordering countries. <i>Anthropocene Coasts</i> , 2018, 1, 62-88.	0.6	3
42	Dynamics of greenhouse gases in the river-groundwater interface in a gaining river stretch (Triffoy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	12
43	Seasonal and spatial variability of the partial pressure of carbon dioxide in the human-impacted Seine River in France. <i>Scientific Reports</i> , 2018, 8, 13961.	1.6	28
44	A comprehensive biogeochemical record and annual flux estimates for the Sabaki River (Kenya). <i>Biogeosciences</i> , 2018, 15, 1683-1700.	1.3	2
45	Carbon dynamics and CO <sub>2</sub> and CH <sub>4</sub> outgassing in the Mekong delta. <i>Biogeosciences</i> , 2018, 15, 1093-1114.	1.3	53
46	Anaerobic methane oxidation and aerobic methane production in an east African great lake (Lake Kivu). <i>Journal of Great Lakes Research</i> , 2018, 44, 1183-1193.	0.8	20
47	First mesocosm experiments to study the impacts of ocean acidification on plankton communities in the NW Mediterranean Sea (MedSeA project). <i>Estuarine, Coastal and Shelf Science</i> , 2017, 186, 11-29.	0.9	35
48	Methane in the South China Sea and the Western Philippine Sea. <i>Continental Shelf Research</i> , 2017, 135, 23-34.	0.9	23
49	Iron-dependent nitrogen cycling in a ferruginous lake and the nutrient status of Proterozoic oceans. <i>Nature Geoscience</i> , 2017, 10, 217-221.	5.4	61
50	Cyanobacterial Contribution to Travertine Deposition in the Hoyoux River System, Belgium. <i>Microbial Ecology</i> , 2017, 74, 33-53.	1.4	7
51	Dynamics and emissions of N <sub>2</sub> O in groundwater: A review. <i>Science of the Total Environment</i> , 2017, 584-585, 207-218.	3.9	70
52	How phosphorus limitation can control climate-active gas sources and sinks. <i>Journal of Marine Systems</i> , 2017, 170, 42-49.	0.9	3
53	Nitrous oxide and methane seasonal variability in the epilimnion of a large tropical meromictic lake (Lake Kivu, East-Africa). <i>Aquatic Sciences</i> , 2017, 79, 209-218.	0.6	20
54	Calibration of hydroclimate proxies in freshwater bivalve shells from Central and West Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 208, 41-62.	1.6	32

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55	Shifts in the carbon dynamics in a tropical lowland river system (Tana River, Kenya) during flooded and non-flooded conditions. <i>Biogeochemistry</i> , 2017, 132, 141-163.	1.7	19
56	Effects of human land use on the terrestrial and aquatic sources of fluvial organic matter in a temperate river basin (The Meuse River, Belgium). <i>Biogeochemistry</i> , 2017, 136, 191-211.	1.7	130
57	Preservation protocol for dimethylsulfonylpropionate and dimethylsulfoxide analysis in plant material of the Mediterranean seagrass <i>Posidonia oceanica</i> , and re-evaluation of dimethylsulfonylpropionate leaf content. <i>Aquatic Botany</i> , 2017, 143, 8-10.	0.8	13
58	Natural patches in <i>Posidonia oceanica</i> meadows: the seasonal biogeochemical pore water characteristics of two edge types. <i>Marine Biology</i> , 2017, 164, 1.	0.7	7
59	Emission and oxidation of methane in a meromictic, eutrophic and temperate lake (Dendre, Belgium). <i>Chemosphere</i> , 2017, 168, 756-764.	4.2	34
60	Phytoplankton dynamics in the Congo River. <i>Freshwater Biology</i> , 2017, 62, 87-101.	1.2	49
61	Shift in the chemical composition of dissolved organic matter in the Congo River network. <i>Biogeosciences</i> , 2016, 13, 5405-5420.	1.3	85
62	Along-stream transport and transformation of dissolved organic matter in a large tropical river. <i>Biogeosciences</i> , 2016, 13, 2727-2741.	1.3	66
63	Chemoautotrophy and anoxygenic photosynthesis within the water column of a large meromictic tropical lake (Lake Kivu, East Africa). <i>Limnology and Oceanography</i> , 2016, 61, 1424-1437.	1.6	26
64	Massive marine methane emissions from near-shore shallow coastal areas. <i>Scientific Reports</i> , 2016, 6, 27908.	1.6	121
65	Distributions and sea-to-air fluxes of nitrous oxide in the South China Sea and the West Philippines Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 115, 131-144.	0.6	16
66	The internal consistency of the North Sea carbonate system. <i>Journal of Marine Systems</i> , 2016, 157, 52-64.	0.9	10
67	Pelagic photoferrotrophy and iron cycling in a modern ferruginous basin. <i>Scientific Reports</i> , 2015, 5, 13803.	1.6	80
68	Divergent biophysical controls of aquatic CO <sub>2</sub> and CH <sub>4</sub> in the World's two largest rivers. <i>Scientific Reports</i> , 2015, 5, 15614.	1.6	85
69	River geochemistry, chemical weathering, and atmospheric CO <sub>2</sub> consumption rates in the Virunga volcanic province (East Africa). <i>Journal of Geophysical Research</i> , 2015, 120, 1071-1083.	1.0	36
70	Biogeochemical processes and buffering capacity concurrently affect acidification in a seasonally hypoxic coastal marine basin. <i>Biogeosciences</i> , 2015, 12, 1561-1583.	1.3	75
71	Technical Note: Large overestimation of CO <sub>2</sub> calculated from pH and alkalinity in acidic, organic-rich freshwaters. <i>Biogeosciences</i> , 2015, 12, 67-78.	1.3	244
72	Methanotrophy within the water column of a large meromictic tropical lake (Lake Kivu, East Africa). <i>Biogeosciences</i> , 2015, 12, 2077-2088.	1.3	38

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73	Dynamics of greenhouse gases (CO <sub>2</sub> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 752 Zambezi River and major tributaries, and their importance in the riverine carbon budget. Biogeosciences, 2015, 12, 2431-2453.	1.3	122

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91	Anthropogenic perturbation of the carbon fluxes from land to ocean. <i>Nature Geoscience</i> , 2013, 6, 597-607.	5.4	937
92	Particle export during a bloom of <i>Emiliana huxleyi</i> in the North-West European continental margin. <i>Journal of Marine Systems</i> , 2013, 109-110, S182-S190.	0.9	12
93	Establishing Research Strategies, Methodologies and Technologies to Link Genomics and Proteomics to Seagrass Productivity, Community Metabolism, and Ecosystem Carbon Fluxes. <i>Frontiers in Plant Science</i> , 2013, 4, 38.	1.7	38
94	Variability of North Sea pH and CO <sub>2</sub> in response to North Atlantic Oscillation forcing. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 1584-1592.	1.3	33
95	Dynamics of dissolved inorganic carbon and aquatic metabolism in the Tana River basin, Kenya. <i>Biogeosciences</i> , 2013, 10, 6911-6928.	1.3	35
96	A uniform, quality controlled Surface Ocean CO <sub>2</sub> Atlas (SOCAT). <i>Earth System Science Data</i> , 2013, 5, 125-143.	3.7	158
97	Surface Ocean CO <sub>2</sub> Atlas (SOCAT) gridded data products. <i>Earth System Science Data</i> , 2013, 5, 145-153.	3.7	101
98	Seasonal and interannual variations of community metabolism rates of a <i>Posidonia oceanica</i> seagrass meadow. <i>Limnology and Oceanography</i> , 2012, 57, 347-361.	1.6	69
99	Distribution and origin of suspended matter and organic carbon pools in the Tana River Basin, Kenya. <i>Biogeosciences</i> , 2012, 9, 2905-2920.	1.3	61
100	Organic matter sources, fluxes and greenhouse gas exchange in the Oubangui River (Congo River) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.3	88
101	Biogeochemistry of coastal seas and continental shelves – Including biogeochemistry during the International Polar Year. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 100, 1-2.	0.9	8
102	The carbonate system in the North Sea: Sensitivity and model validation. <i>Journal of Marine Systems</i> , 2012, 102-104, 1-13.	0.9	85
103	Variability of Carbon Dioxide and Methane in the Epilimnion of Lake Kivu. , 2012, , 47-66.		8
104	Diffusive methane emissions to the atmosphere from Lake Kivu (Eastern Africa). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	65
105	Biogeochemistry and carbon mass balance of a coccolithophore bloom in the northern Bay of Biscay (June 2006). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 111-127.	0.6	16
106	Biogeochemical response of <i>Emiliana huxleyi</i> (PML B92/11) to elevated CO <sub>2</sub> and temperature under phosphorous limitation: A chemostat study. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 410, 61-71.	0.7	55
107	Carbon and nitrogen flows during a bloom of the coccolithophore <i>Emiliana huxleyi</i> : Modelling a mesocosm experiment. <i>Journal of Marine Systems</i> , 2011, 85, 71-85.	0.9	20
108	Seasonal and inter-annual variability of air-sea CO <sub>2</sub> fluxes and seawater carbonate chemistry in the Southern North Sea. <i>Progress in Oceanography</i> , 2011, 88, 59-77.	1.5	30

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109	Benthic remineralization in the northwest European continental margin (northern Bay of Biscay). <i>Continental Shelf Research</i> , 2011, 31, 644-658.	0.9	18
110	Carbon Dioxide and Methane Dynamics in Estuaries. , 2011, , 119-161.		150
111	Present Day Carbon Dioxide Fluxes in the Coastal Ocean and Possible Feedbacks Under Global Change. , 2011, , 47-77.		39
112	Seasonal variability of methane in the rivers and lagoons of Ivory Coast (West Africa). <i>Biogeochemistry</i> , 2010, 100, 21-37.	1.7	81
113	Biogeochemical study of a coccolithophore bloom in the northern Bay of Biscay (NE Atlantic Ocean) in June 2004. <i>Progress in Oceanography</i> , 2010, 86, 317-336.	1.5	44
114	Spatiotemporal variations of $\text{CO}_2$ in the North Sea. <i>Ocean Science</i> , 2010, 6, 77-89.	1.3	44
115	Dissolved inorganic carbon dynamics and air-sea carbon dioxide fluxes during coccolithophore blooms in the northwest European continental margin (northern Bay of Biscay). <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	19
116	Evaluation of sinks and sources of $\text{CO}_2$ in the global coastal ocean using a spatially-explicit typology of estuaries and continental shelves. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	253
117	Nitrogen and carbon cycling in the North Sea and exchange with the North Atlantic – A model study, Part II: Carbon budget and fluxes. <i>Continental Shelf Research</i> , 2010, 30, 1701-1716.	0.9	43
118	Distribution, origin and cycling of carbon in the Tana River (Kenya): a dry season basin-scale survey from headwaters to the delta. <i>Biogeosciences</i> , 2009, 6, 2475-2493.	1.3	80
119	Enhanced ocean carbon storage from anaerobic alkalinity generation in coastal sediments. <i>Biogeosciences</i> , 2009, 6, 267-274.	1.3	169
120	Influence of giant kelp beds ( <i>Macrocystis pyrifera</i> ) on diel cycles of $\text{pCO}_2$ and DIC in the Sub-Antarctic coastal area. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 81, 114-122.	0.9	81
121	Seasonal Variability of Carbon Dioxide in the Rivers and Lagoons of Ivory Coast (West Africa). <i>Estuaries and Coasts</i> , 2009, 32, 246-260.	1.0	99
122	Effect of eutrophication on air-sea $\text{CO}_2$ fluxes in the coastal Southern North Sea: a model study of the past 50 years. <i>Global Change Biology</i> , 2009, 15, 1040-1056.	4.2	69
123	Mechanisms controlling the air-sea flux in the North Sea. <i>Continental Shelf Research</i> , 2009, 29, 1801-1808.	0.9	46
124	Reconciling opposing views on carbon cycling in the coastal ocean: Continental shelves as sinks and near-shore ecosystems as sources of atmospheric $\text{CO}_2$ . <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 578-590.	0.6	500
125	Net ecosystem production and carbon dioxide fluxes in the Scheldt estuarine plume. <i>BMC Ecology</i> , 2008, 8, 15.	3.0	49
126	Dissolved inorganic carbon dynamics in the waters surrounding forested mangroves of the Ca Mau Province (Vietnam). <i>Estuarine, Coastal and Shelf Science</i> , 2008, 77, 409-421.	0.9	83



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127	Mangrove production and carbon sinks: A revision of global budget estimates. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	812
128	Carbon biogeochemistry of the Betsiboka estuary (north-western Madagascar). <i>Organic Geochemistry</i> , 2008, 39, 1649-1658.	0.9	57
129	The impact of lateral carbon fluxes on the European carbon balance. <i>Biogeosciences</i> , 2008, 5, 1259-1271.	1.3	130
130	Inter-annual variability of the carbon dioxide oceanic sink south of Tasmania. <i>Biogeosciences</i> , 2008, 5, 141-155.	1.3	42
131	The Lateral Carbon Pump, and the European Carbon Balance. <i>Ecological Studies</i> , 2008, , 341-360.	0.4	5
132	Emission of CO <sub>2</sub> and CH <sub>4</sub> to the atmosphere by sediments and open waters in two Tanzanian mangrove forests. <i>Marine Ecology - Progress Series</i> , 2008, 370, 53-67.	0.9	109
133	Biogeochemistry of the Tana estuary and delta (northern Kenya). <i>Limnology and Oceanography</i> , 2007, 52, 46-59.	1.6	90
134	Biogas (CO <sub>2</sub> , O <sub>2</sub> , dimethylsulfide) dynamics in spring Antarctic fast ice. <i>Limnology and Oceanography</i> , 2007, 52, 1367-1379.	1.6	127
135	ARTIFICIAL NEURAL NETWORK ANALYSIS OF FACTORS CONTROLLING ECOSYSTEM METABOLISM IN COASTAL SYSTEMS. , 2007, 17, S185-S196.		19
136	Rapid decline of the CO <sub>2</sub> buffering capacity in the North Sea and implications for the North Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	97
137	Dynamics of organic and inorganic carbon across contiguous mangrove and seagrass systems (Gazi Tj ETQq1 1 0.784314 rgBT /Overlo	3.3	113
138	Importance of intertidal sediment processes and porewater exchange on the water column biogeochemistry in a pristine mangrove creek (Ras Dege, Tanzania). <i>Biogeosciences</i> , 2007, 4, 311-322.	1.3	151
139	High temporal coverage of carbon dioxide measurements in the Southern Bight of the North Sea. <i>Marine Chemistry</i> , 2007, 106, 161-173.	0.9	72
140	Carbon dioxide dynamics in rivers and coastal waters of the "big island" of Hawaii, USA, during baseline and heavy rain conditions. <i>Aquatic Geochemistry</i> , 2007, 13, 1-18.	1.5	32
141	Time series of the partial pressure of carbon dioxide (2001-2004) and preliminary inorganic carbon budget in the Scheldt plume (Belgian coastal waters). <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	1.0	28
142	Organic carbon metabolism and carbonate dynamics in a Mediterranean seagrass ( <i>Posidonia oceanica</i> ), meadow. <i>Estuaries and Coasts</i> , 2006, 29, 417-426.	1.0	108
143	Carbon dioxide in European coastal waters. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 70, 375-387.	0.9	239
144	Assessment of the processes controlling the seasonal variations of dissolved inorganic carbon in the North Sea. <i>Limnology and Oceanography</i> , 2006, 51, 2746-2762.	1.6	72

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145	Planktonic and whole system metabolism in a nutrient-rich estuary (the Scheldt estuary). <i>Estuaries and Coasts</i> , 2005, 28, 868-883.	1.7	103
146	Do we have enough pieces of the jigsaw to integrate CO <sub>2</sub> fluxes in the coastal ocean?. <i>Estuaries and Coasts</i> , 2005, 28, 3-27.	1.7	374
147	Whole-system metabolism and CO <sub>2</sub> fluxes in a Mediterranean Bay dominated by seagrass beds (Palma Bay, NW Mediterranean). <i>Biogeosciences</i> , 2005, 2, 43-60.	1.3	91
148	Controls of the surface water partial pressure of CO <sub>2</sub> in the North Sea. <i>Biogeosciences</i> , 2005, 2, 323-334.	1.3	80
149	The carbon budget of the North Sea. <i>Biogeosciences</i> , 2005, 2, 87-96.	1.3	138
150	Response of primary production and calcification to changes of pCO <sub>2</sub> during experimental blooms of the coccolithophorid <i>Emiliana huxleyi</i> . <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	1.9	215
151	Budgeting sinks and sources of CO <sub>2</sub> in the coastal ocean: Diversity of ecosystems counts. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	515
152	Net ecosystem metabolism in a micro-tidal estuary (Randers Fjord, Denmark): evaluation of methods. <i>Marine Ecology - Progress Series</i> , 2005, 301, 23-41.	0.9	86
153	Carbon dynamics and CO <sub>2</sub> air-sea exchanges in the eutrophied coastal waters of the Southern Bight of the North Sea: a modelling study. <i>Biogeosciences</i> , 2004, 1, 147-157.	1.3	25
154	Gas transfer velocities of CO <sub>2</sub> in three European estuaries (Randers Fjord, Scheldt, and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	238
155	Variability of the gas transfer velocity of CO <sub>2</sub> in a macrotidal estuary (the Scheldt). <i>Estuaries and Coasts</i> , 2004, 27, 593-603.	1.7	205
156	The Portugal coastal counter current off NW Spain: new insights on its biogeochemical variability. <i>Progress in Oceanography</i> , 2003, 56, 281-321.	1.5	162
157	Inorganic and organic carbon biogeochemistry in the Gautami Godavari estuary (Andhra Pradesh,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 <i>Global Biogeochemical Cycles</i> , 2003, 17, n/a-n/a.	1.9	144
158	Atmospheric CO <sub>2</sub> flux from mangrove surrounding waters. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	179
159	Distribution of surface carbon dioxide and air-sea exchange in the English Channel and adjacent areas. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	55
160	Carbonate dissolution in the turbid and eutrophic Loire estuary. <i>Marine Ecology - Progress Series</i> , 2003, 259, 129-138.	0.9	111
161	Distribution of surface carbon dioxide and air-sea exchange in the upwelling system off the Galician coast. <i>Global Biogeochemical Cycles</i> , 2002, 16, 13-1-13-13.	1.9	66
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