Alberto V Borges

List of Publications by Year
in descending order

172	14,354	18465 62	24961 109
papers	citations	h-index	g-index

223	223	223	11098
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anthropogenic perturbation of the carbon fluxes from land to ocean. Nature Geoscience, 2013, 6, 597-607.	5.4	937
2	Mangrove production and carbon sinks: A revision of global budget estimates. Global Biogeochemical Cycles, 2008, 22, .	1.9	812
3	Budgeting sinks and sources of CO2in the coastal ocean: Diversity of ecosystems counts. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	515
4	Reconciling opposing views on carbon cycling in the coastal ocean: Continental shelves as sinks and near-shore ecosystems as sources of atmospheric CO2. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 578-590.	0.6	500
5	Carbon Dioxide Emission from European Estuaries. , 1998, 282, 434-436.		480
6	Half of global methane emissions come from highly variable aquatic ecosystem sources. Nature Geoscience, 2021, 14, 225-230.	5.4	388
7	Do we have enough pieces of the jigsaw to integrate CO2 fluxes in the coastal ocean?. Estuaries and Coasts, 2005, 28, 3-27.	1.7	374
8	Globally significant greenhouse-gas emissions from African inland waters. Nature Geoscience, 2015, 8, 637-642.	5.4	348
9	Evaluation of sinks and sources of CO₂ in the global coastal ocean using a spatiallyâ€explicit typology of estuaries and continental shelves. Geophysical Research Letters, 2010, 37, .	1.5	253
10	Technical Note: Large overestimation of <i>p</i>CO₂ calculated from pH and alkalinity in acidic, organic-rich freshwaters. Biogeosciences, 2015, 12, 67-78.	1.3	244
11	Carbon dioxide in European coastal waters. Estuarine, Coastal and Shelf Science, 2006, 70, 375-387.	0.9	239
12	Gas transfer velocities of CO₂ in three European estuaries (Randers Fjord,Scheldt, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	238
13	Response of primary production and calcification to changes ofpCO2during experimental blooms of the coccolithophoridEmiliania huxleyi. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	1.9	215
14	Variability of the gas transfer velocity of CO2 in a macrotidal estuary (the Scheldt). Estuaries and Coasts, 2004, 27, 593-603.	1.7	205
15	Current systematic carbon-cycle observations and the need for implementing a policy-relevant carbon observing system. Biogeosciences, 2014, 11, 3547-3602.	1.3	189
16	Isotopic composition of nitrogen species in groundwater under agricultural areas: A review. Science of the Total Environment, 2018, 621, 1415-1432.	3.9	186
17	Atmospheric CO2flux from mangrove surrounding waters. Geophysical Research Letters, 2003, 30, .	1.5	179
18	Enhanced ocean carbon storage from anaerobic alkalinity generation in coastal sediments. Biogeosciences, 2009, 6, 267-274.	1.3	169

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19	European continental shelf as a significant sink for atmospheric carbon dioxide. Global Biogeochemical Cycles, 2001, 15, 569-576.	1.9	163
20	The age of riverâ€transported carbon: A global perspective. Global Biogeochemical Cycles, 2015, 29, 122-137.	1.9	163
21	The Portugal coastal counter current off NW Spain: new insights on its biogeochemical variability. Progress in Oceanography, 2003, 56, 281-321.	1.5	162
22	A uniform, quality controlled Surface Ocean CO₂ Atlas (SOCAT). Earth System Science Data, 2013, 5, 125-143.	3.7	158
23	Importance of intertidal sediment processes and porewater exchange on the water column biogeochemistry in a pristine mangrove creek (Ras Dege, Tanzania). Biogeosciences, 2007, 4, 311-322.	1.3	151
24	Carbon Dioxide and Methane Dynamics in Estuaries. , 2011, , 119-161.		150
25	Inorganic and organic carbon biogeochemistry in the Gautami Godavari estuary (Andhra Pradesh,) Tj ETQq1 1 0.784314 rgBT /Overlock Cycles, 2003, 17, n/a-n/a.	1.9	144
26	The carbon budget of the North Sea. Biogeosciences, 2005, 2, 87-96.	1.3	138
27	Effects of agricultural land use on fluvial carbon dioxide, methane and nitrous oxide concentrations in a large European river, the Meuse (Belgium). Science of the Total Environment, 2018, 610-611, 342-355.	3.9	138
28	The impact of lateral carbon fluxes on the European carbon balance. Biogeosciences, 2008, 5, 1259-1271.	1.3	130
29	Effects of human land use on the terrestrial and aquatic sources of fluvial organic matter in a temperate river basin (The Meuse River, Belgium). Biogeochemistry, 2017, 136, 191-211.	1.7	130
30	Biogas (CO₂, O₂, dimethylsulfide) dynamics in spring Antarctic fast ice. Limnology and Oceanography, 2007, 52, 1367-1379.	1.6	127
31	Dynamics of greenhouse gases (CO₂,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 272 Td Zambezi River and major tributaries, and their importance in the riverine carbon budget. Biogeosciences, 2015, 12, 2431-2453.	1.3	122
32	Massive marine methane emissions from near-shore shallow coastal areas. Scientific Reports, 2016, 6, 27908.	1.6	121
33	Dynamics of organic and inorganic carbon across contiguous mangrove and seagrass systems (Gazi) Tj ETQq1 1 0.784314 rgBT /Over	3.3	113
34	Carbonate dissolution in the turbid and eutrophic Loire estuary. Marine Ecology - Progress Series, 2003, 259, 129-138.	0.9	111
35	Emission of CO2 and CH4 to the atmosphere by sediments and open waters in two Tanzanian mangrove forests. Marine Ecology - Progress Series, 2008, 370, 53-67.	0.9	109
36	Organic carbon metabolism and carbonate dynamics in a Mediterranean seagrass (Posidonia oceanica), meadow. Estuaries and Coasts, 2006, 29, 417-426.	1.0	108

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37	Daily and seasonal variations of the partial pressure of CO2 in surface seawater along Belgian and southern Dutch coastal areas. Journal of Marine Systems, 1999, 19, 251-266.	0.9	107
38	Planktonic and whole system metabolism in a nutrient-rich estuary (the Scheldt estuary). Estuaries and Coasts, 2005, 28, 868-883.	1.7	103
39	Surface Ocean CO₂ Atlas (SOCAT) gridded data products. Earth System Science Data, 2013, 5, 145-153.	3.7	101
40	Seasonal Variability of Carbon Dioxide in the Rivers and Lagoons of Ivory Coast (West Africa). Estuaries and Coasts, 2009, 32, 246-260.	1.0	99
41	A new design of equilibrator to monitor carbon dioxide in highly dynamic and turbid environments. Water Research, 2001, 35, 1344-1347.	5.3	97
42	Rapid decline of the CO₂ buffering capacity in the North Sea and implications for the North Atlantic Ocean. Global Biogeochemical Cycles, 2007, 21, .	1.9	97
43	Title is missing!. Aquatic Geochemistry, 2001, 7, 267-273.	1.5	95
44	Distribution and air-water exchange of carbon dioxide in the Scheldt plume off the Belgian coast. Biogeochemistry, 2002, 59, 41-67.	1.7	95
45	Variations in dissolved greenhouse gases (CO₂,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 River network overwhelmingly driven by fluvial-wetland connectivity. Biogeosciences, 2019, 16, 3801-3834.	1.3	93
46	Whole-system metabolism and CO₂ fluxes in a Mediterranean Bay dominated by seagrass beds (Palma Bay, NW Mediterranean). Biogeosciences, 2005, 2, 43-60.	1.3	91
47	Biogeochemistry of the Tana estuary and delta (northern Kenya). Limnology and Oceanography, 2007, 52, 46-59.	1.6	90
48	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
49	Net ecosystem metabolism in a micro-tidal estuary (Randers Fjord, Denmark): evaluation of methods. Marine Ecology - Progress Series, 2005, 301, 23-41.	0.9	86
50	The carbonate system in the North Sea: Sensitivity and model validation. Journal of Marine Systems, 2012, 102-104, 1-13.	0.9	85
51	Divergent biophysical controls of aquatic CO2 and CH4 in the Worldâ€™s two largest rivers. Scientific Reports, 2015, 5, 15614.	1.6	85
52	Shift in the chemical composition of dissolved organic matter in the Congo River network. Biogeosciences, 2016, 13, 5405-5420.	1.3	85
53	Dissolved inorganic carbon dynamics in the waters surrounding forested mangroves of the Ca Mau Province (Vietnam). Estuarine, Coastal and Shelf Science, 2008, 77, 409-421.	0.9	83
54	Off-shelf fluxes of labile materials by an upwelling filament in the NW Iberian Upwelling System. Progress in Oceanography, 2001, 51, 321-337.	1.5	82

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55	Influence of giant kelp beds (Macrocystis pyrifera) on diel cycles of pCO2 and DIC in the Sub-Antarctic coastal area. Estuarine, Coastal and Shelf Science, 2009, 81, 114-122.	0.9	81
56	Seasonal variability of methane in the rivers and lagoons of Ivory Coast (West Africa). Biogeochemistry, 2010, 100, 21-37.	1.7	81
57	Controls of the surface water partial pressure of CO₂ in the North Sea. Biogeosciences, 2005, 2, 323-334.	1.3	80
58	Distribution, origin and cycling of carbon in the Tana River (Kenya): a dry season basin-scale survey from headwaters to the delta. Biogeosciences, 2009, 6, 2475-2493.	1.3	80
59	Pelagic photoferrotrophy and iron cycling in a modern ferruginous basin. Scientific Reports, 2015, 5, 13803.	1.6	80
60	Biogeochemical processes and buffering capacity concurrently affect acidification in a seasonally hypoxic coastal marine basin. Biogeosciences, 2015, 12, 1561-1583.	1.3	75
61	Assessment of the processes controlling the seasonal variations of dissolved inorganic carbon in the North Sea. Limnology and Oceanography, 2006, 51, 2746-2762.	1.6	72
62	High temporal coverage of carbon dioxide measurements in the Southern Bight of the North Sea. Marine Chemistry, 2007, 106, 161-173.	0.9	72
63	Dynamics and emissions of N2O in groundwater: A review. Science of the Total Environment, 2017, 584-585, 207-218.	3.9	70
64	Effect of eutrophication on airâ€“sea CO₂ fluxes in the coastal Southern North Sea: a model study of the past 50 years. Global Change Biology, 2009, 15, 1040-1056.	4.2	69
65	Seasonal and interannual variations of community metabolism rates of a Posidonia oceanica seagrass meadow. Limnology and Oceanography, 2012, 57, 347-361.	1.6	69
66	Distribution of surface carbon dioxide and air-sea exchange in the upwelling system off the Galician coast. Global Biogeochemical Cycles, 2002, 16, 13-1-13-13.	1.9	66
67	Along-stream transport and transformation of dissolved organic matter in a large tropical river. Biogeosciences, 2016, 13, 2727-2741.	1.3	66
68	Diffusive methane emissions to the atmosphere from Lake Kivu (Eastern Africa). Journal of Geophysical Research, 2011, 116, .	3.3	65
69	Productivity and Temperature as Drivers of Seasonal and Spatial Variations of Dissolved Methane in the Southern Bight of the North Sea. Ecosystems, 2018, 21, 583-599.	1.6	63
70	Ideas and perspectives: Carbon leaks from flooded land: do we need to replumb the inland water active pipe?. Biogeosciences, 2019, 16, 769-784.	1.3	63
71	Distribution and origin of suspended matter and organic carbon pools in the Tana River Basin, Kenya. Biogeosciences, 2012, 9, 2905-2920.	1.3	61
72	Iron-dependent nitrogen cycling in a ferruginous lake and the nutrient status of Proterozoic oceans. Nature Geoscience, 2017, 10, 217-221.	5.4	61

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73	Carbon biogeochemistry of the Betsiboka estuary (north-western Madagascar). Organic Geochemistry, 2008, 39, 1649-1658.	0.9	57
74	Landscape Control on the Spatial and Temporal Variability of Chromophoric Dissolved Organic Matter and Dissolved Organic Carbon in Large African Rivers. Ecosystems, 2015, 18, 1224-1239.	1.6	57
75	Distribution of surface carbon dioxide and air-sea exchange in the English Channel and adjacent areas. Journal of Geophysical Research, 2003, 108, .	3.3	55
76	Biogeochemical response of Emiliania huxleyi (PML B92/11) to elevated CO2 and temperature under phosphorous limitation: A chemostat study. Journal of Experimental Marine Biology and Ecology, 2011, 410, 61-71.	0.7	55
77	Carbon dynamics and CO₂ and CH₄ outgassing in the Mekong delta. Biogeosciences, 2018, 15, 1093-1114.	1.3	53
78	Vertical Distribution of Functional Potential and Active Microbial Communities in Meromictic Lake Kivu. Microbial Ecology, 2015, 70, 596-611.	1.4	52
79	Net ecosystem production and carbon dioxide fluxes in the Scheldt estuarine plume. BMC Ecology, 2008, 8, 15.	3.0	49
80	Phytoplankton dynamics in the Congo River. Freshwater Biology, 2017, 62, 87-101.	1.2	49
81	Mechanisms controlling the airâ€“sea flux in the North Sea. Continental Shelf Research, 2009, 29, 1801-1808.	0.9	46
82	Contrasting biogeochemical characteristics of the Oubangui River and tributaries (Congo River) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.6	46
83	Denitrification, anaerobic ammonium oxidation, and dissimilatory nitrate reduction to ammonium in an East African Great Lake (Lake Kivu). Limnology and Oceanography, 2018, 63, 687-701.	1.6	46
84	Biogeochemical study of a coccolithophore bloom in the northern Bay of Biscay (NE Atlantic Ocean) in June 2004. Progress in Oceanography, 2010, 86, 317-336.	1.5	44
85	Spatiotemporal variations of <i>f</i>CO₂ in the North Sea. Ocean Science, 2010, 6, 77-89.	1.3	44
86	Nitrogen and carbon cycling in the North Sea and exchange with the North Atlanticâ€”A model study, Part II: Carbon budget and fluxes. Continental Shelf Research, 2010, 30, 1701-1716.	0.9	43
87	East Siberian Arctic inland waters emit mostly contemporary carbon. Nature Communications, 2020, 11, 1627.	5.8	43
88	Inter-annual variability of the carbon dioxide oceanic sink south of Tasmania. Biogeosciences, 2008, 5, 141-155.	1.3	42
89	Production of dissolved organic matter by phytoplankton and its uptake by heterotrophic prokaryotes in large tropical lakes. Limnology and Oceanography, 2014, 59, 1364-1375.	1.6	42
90	An intercomparison of oceanic methane and nitrous oxide measurements. Biogeosciences, 2018, 15, 5891-5907.	1.3	42

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91	Present Day Carbon Dioxide Fluxes in the Coastal Ocean and Possible Feedbacks Under Global Change. , 2011, , 47-77.		39
92	Establishing Research Strategies, Methodologies and Technologies to Link Genomics and Proteomics to Seagrass Productivity, Community Metabolism, and Ecosystem Carbon Fluxes. Frontiers in Plant Science, 2013, 4, 38.	1.7	38
93	Carbon Cycling of Lake Kivu (East Africa): Net Autotrophy in the Epilimnion and Emission of CO2 to the Atmosphere Sustained by Geogenic Inputs. PLoS ONE, 2014, 9, e109500.	1.1	38
94	Methanotrophy within the water column of a large meromictic tropical lake (Lake Kivu, East Africa). Biogeosciences, 2015, 12, 2077-2088.	1.3	38
95	Changes in chlorophyll concentration and phenology in the North Sea in relation to deâ€eutrophication and sea surface warming. Limnology and Oceanography, 2020, 65, 828-847.	1.6	38
96	Annual cycle of dimethylsulfoniopropionate (DMSP) and dimethylsulfoxide (DMSO) related to phytoplankton succession in the Southern North Sea. Science of the Total Environment, 2018, 622-623, 362-372.	3.9	37
97	Influence of plankton metabolism and mixing depth on CO2 dynamics in an Amazon floodplain lake. Science of the Total Environment, 2018, 630, 1381-1393.	3.9	36
98	Dynamics of dissolved inorganic carbon and aquatic metabolism in the Tana River basin, Kenya. Biogeosciences, 2013, 10, 6911-6928.	1.3	35
99	Dynamic seasonal nitrogen cycling in response to anthropogenic N loading in a tropical catchment, Athiâ€“Galanaâ€“Sabaki River, Kenya. Biogeosciences, 2014, 11, 443-460.	1.3	35
100	River geochemistry, chemical weathering, and atmospheric <scp>C</scp>O₂ consumption rates in the <scp>V</scp>irunga <scp>V</scp>olcanic <scp>P</scp>rovince (<scp>E</scp>ast) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 37	1.0	35
101	First mesocosm experiments to study the impacts of ocean acidification on plankton communities in the NW Mediterranean Sea (MedSeA project). Estuarine, Coastal and Shelf Science, 2017, 186, 11-29.	0.9	35
102	Excess atmospheric carbon dioxide transported by rivers into the Scheldt estuary. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 2000, 330, 761-768.	0.2	34
103	Emission and oxidation of methane in a meromictic, eutrophic and temperate lake (Dendre, Belgium). Chemosphere, 2017, 168, 756-764.	4.2	34
104	Variability of North Sea pH and CO₂ in response to North Atlantic Oscillation forcing. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 1584-1592.	1.3	33
105	The silicon isotopic composition of fine-grained river sediments and its relation to climate and lithology. Geochimica Et Cosmochimica Acta, 2018, 229, 147-161.	1.6	33
106	Carbon dioxide dynamics in rivers and coastal waters of the â€œbig islandâ€•of Hawaii, USA, during baseline and heavy rain conditions. Aquatic Geochemistry, 2007, 13, 1-18.	1.5	32
107	Calibration of hydroclimate proxies in freshwater bivalve shells from Central and West Africa. Geochimica Et Cosmochimica Acta, 2017, 208, 41-62.	1.6	32
108	Sediment and carbon fluxes along a longitudinal gradient in the lower Tana River (Kenya). Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1340-1353.	1.3	31

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109	Seasonal and inter-annual variability of airâ€“sea CO2 fluxes and seawater carbonate chemistry in the Southern North Sea. Progress in Oceanography, 2011, 88, 59-77.	1.5	30
110	Air-Sea Interactions of Natural Long-Lived Greenhouse Gases (CO2, N2O, CH4) in a Changing Climate. Springer Earth System Sciences, 2014, , 113-169.	0.1	29
111	Time series of the partial pressure of carbon dioxide (2001-2004) and preliminary inorganic carbon budget in the Scheldt plume (Belgian coastal waters). Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	1.0	28
112	Seasonal and spatial variability of the partial pressure of carbon dioxide in the human-impacted Seine River in France. Scientific Reports, 2018, 8, 13961.	1.6	28
113	Short-term variations of the partial pressure of CO2 in surface waters of the Galician upwelling system. Progress in Oceanography, 2001, 51, 283-302.	1.5	27
114	Disproportionate Contribution of Riparian Inputs to Organic Carbon Pools in Freshwater Systems. Ecosystems, 2014, 17, 974-989.	1.6	27
115	Acoustic monitoring of O2 production of a seagrass meadow. Journal of Experimental Marine Biology and Ecology, 2015, 464, 75-87.	0.7	26
116	Chemoautotrophy and anoxygenic photosynthesis within the water column of a large meromictic tropical lake (Lake Kivu, East Africa). Limnology and Oceanography, 2016, 61, 1424-1437.	1.6	26
117	Carbon dynamics and CO₂ air-sea exchanges in the eutrophied coastal waters of the Southern Bight of the North Sea: a modelling study. Biogeosciences, 2004, 1, 147-157.	1.3	25
118			

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127	Anaerobic methane oxidation and aerobic methane production in an east African great lake (Lake Kivu). Journal of Great Lakes Research, 2018, 44, 1183-1193.	0.8	20
128	Carbon Dioxide and Methane Emissions from Estuaries. , 0, , 187-207.		20
129	ARTIFICIAL NEURAL NETWORK ANALYSIS OF FACTORS CONTROLLING ECOSYSTEM METABOLISM IN COASTAL SYSTEMS. , 2007, 17, S185-S196.		19
130	Dissolved inorganic carbon dynamics and airâ€sea carbon dioxide fluxes during coccolithophore blooms in the northwest European continental margin (northern Bay of Biscay). Global Biogeochemical Cycles, 2010, 24, .	1.9	19
131	Shifts in the carbon dynamics in a tropical lowland river system (Tana River, Kenya) during flooded and non-flooded conditions. Biogeochemistry, 2017, 132, 141-163.	1.7	19
132	Methane paradox in tropical lakes? Sedimentary fluxes rather than pelagic production in oxic conditions sustain methanotrophy and emissions to the atmosphere. Biogeosciences, 2020, 17, 5209-5221.	1.3	19
133	Benthic remineralization in the northwest European continental margin (northern Bay of Biscay). Continental Shelf Research, 2011, 31, 644-658.	0.9	18
134	Interâ€annual variations over a decade of primary production of the seagrass <scp>Posidonia oceanica</scp>. Limnology and Oceanography, 2019, 64, 32-45.	1.6	17
135	Biogeochemistry and carbon mass balance of a coccolithophore bloom in the northern Bay of Biscay (June 2006). Deep-Sea Research Part I: Oceanographic Research Papers, 2011, 58, 111-127.	0.6	16
136	Distributions and sea-to-air fluxes of nitrous oxide in the South China Sea and the West Philippines Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 115, 131-144.	0.6	16
137	Ideas and perspectives: A strategic assessment of methane and nitrous oxide measurements in the marine environment. Biogeosciences, 2020, 17, 5809-5828.	1.3	16
138	Need for harmonized long-term multi-lake monitoring of African Great Lakes. Journal of Great Lakes Research, 2023, 49, 101988.	0.8	16
139	The Dimethylsulfide Cycle in the Eutrophied Southern North Sea: A Model Study Integrating Phytoplankton and Bacterial Processes. PLoS ONE, 2014, 9, e85862.	1.1	15
140	Response of marine methane dissolved concentrations and emissions in the Southern North Sea to the European 2018 heatwave. Continental Shelf Research, 2019, 190, 104004.	0.9	14
141	Increase in dimethylsulfide (DMS) emissions due to eutrophication of coastal waters offsets their reduction due to ocean acidification. Frontiers in Marine Science, 2014, 1, .	1.2	13
142	Preservation protocol for dimethylsulfoniopropionate and dimethylsulfoxide analysis in plant material of the Mediterranean seagrass Posidonia oceanica , and re-evaluation of dimethylsulfoniopropionate leaf content. Aquatic Botany, 2017, 143, 8-10.	0.8	13
143	Particle export during a bloom of Emiliania huxleyi in the North-West European continental margin. Journal of Marine Systems, 2013, 109-110, S182-S190.	0.9	12
144	Dynamics of greenhouse gases in the riverâ€“groundwater interface in a gaining river stretch (Triffoy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	12

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145	Salinity and growth effects on dimethylsulfoniopropionate (DMSP) and dimethylsulfoxide (DMSO) cell quotas of Skeletonema costatum, Phaeocystis globosa and Heterocapsa triquetra. Estuarine, Coastal and Shelf Science, 2019, 226, 106275.	0.9	12
146	Dynamics of greenhouse gases in groundwater: hydrogeological and hydrogeochemical controls. Applied Geochemistry, 2019, 105, 31-44.	1.4	12
147	Diversity and ecology of phytoplankton in Lake Edward (East Africa): Present status and long-term changes. Journal of Great Lakes Research, 2020, 46, 741-751.	0.8	12
148	The internal consistency of the North Sea carbonate system. Journal of Marine Systems, 2016, 157, 52-64.	0.9	10
149	Dissolved organic matter composition and reactivity in Lake Victoria, the worldâ€™s largest tropical lake. Biogeochemistry, 2020, 150, 61-83.	1.7	10
150	Net community metabolism of a <scp>Posidonia oceanica</scp> meadow. Limnology and Oceanography, 2021, 66, 2126-2140.	1.6	9
151	Inundation, Hydrodynamics and Vegetation Influence Carbon Dioxide Concentrations in Amazon Floodplain Lakes. Ecosystems, 2022, 25, 911-930.	1.6	9
152	Nitrate-dependent anaerobic methane oxidation and chemolithotrophic denitrification in a temperate eutrophic lake. FEMS Microbiology Ecology, 2021, 97, .	1.3	9
153	Biogeochemistry of coastal seas and continental shelves â€“ Including biogeochemistry during the International Polar Year. Estuarine, Coastal and Shelf Science, 2012, 100, 1-2.	0.9	8
154	Determination of dimethylsulfoniopropionate and dimethylsulfoxide in Posidonia oceanica leaf tissue. MethodsX, 2019, 6, 56-62.	0.7	8
155	Variability of Carbon Dioxide and Methane in the Epilimnion of Lake Kivu. , 2012, , 47-66.		8
156	Cyanobacterial Contribution to Travertine Deposition in the Hoyoux River System, Belgium. Microbial Ecology, 2017, 74, 33-53.	1.4	7
157	Natural patches in Posidonia oceanica meadows: the seasonal biogeochemical pore water characteristics of two edge types. Marine Biology, 2017, 164, 1.	0.7	7
158	Diffusive emissions of methane and nitrous oxide from a cascade of tropical hydropower reservoirs in Kenya. Lakes and Reservoirs: Research and Management, 2019, 24, 127-135.	0.6	7
159	Carbon dynamics and CO2 and CH4 exchange in the mangrove dominated Guayas river delta, Ecuador. Estuarine, Coastal and Shelf Science, 2022, 267, 107766.	0.9	7
160	Seasonal and inter-annual variations in carbon fluxes in a tropical river system (Tana River, Kenya). Aquatic Sciences, 2018, 80, 1.	0.6	6
161	The possible occurrence of iron-dependent anaerobic methane oxidation in an Archean Ocean analogue. Scientific Reports, 2021, 11, 1597.	1.6	6
162	Limnological changes in Lake Victoria since the midâ€20th century. Freshwater Biology, 2021, 66, 1630-1647.	1.2	6

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163	The Lateral Carbon Pump, and the European Carbon Balance. Ecological Studies, 2008, , 341-360.	0.4	5
164	How phosphorus limitation can control climate-active gas sources and sinks. Journal of Marine Systems, 2017, 170, 42-49.	0.9	3
165	Social-environmental analysis of methane in the South China Sea and bordering countries. Anthropocene Coasts, 2018, 1, 62-88.	0.6	3
166	Editorial: Structure, Functioning and Conservation of Coastal Vegetated Wetlands. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	3
167	A 15-Month Survey of Dimethylsulfoniopropionate and Dimethylsulfoxide Content in Posidonia oceanica. Frontiers in Ecology and Evolution, 2020, 7, .	1.1	3
168	A comprehensive biogeochemical record and annual flux estimates for the Sabaki River (Kenya). Biogeosciences, 2018, 15, 1683-1700.	1.3	2
169	Response of dimethylsulfoniopropionate (DMSP) and dimethylsulfoxide (DMSO) cell quotas to oxidative stress in three phytoplankton species. Journal of Plankton Research, 2021, 43, 673-690.	0.8	2
170	Freshwater bivalve shells as hydrologic archives in the Congo Basin. Geochimica Et Cosmochimica Acta, 2021, 308, 101-117.	1.6	2
171	Dynamics of nitrous oxide with depth in groundwater: Insights from ambient groundwater and laboratory incubation experiments (Hesbaye chalk aquifer, Belgium). Journal of Contaminant Hydrology, 2021, 241, 103797.	1.6	1
172	Dimethylsulfoniopropionate and dimethylsulfoxide in Posidonia oceanica. Marine Biology, 2021, 168, 1.	0.7	0