List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The changing carbon cycle of the coastal ocean. Nature, 2013, 504, 61-70.	27.8	1,146
2	Acidification of subsurface coastal waters enhanced by eutrophication. Nature Geoscience, 2011, 4, 766-770.	12.9	928
3	Estuarine and Coastal Ocean Carbon Paradox: CO <sub>2</sub> Sinks or Sites of Terrestrial Carbon Incineration?. Annual Review of Marine Science, 2011, 3, 123-145.	11.6	669
4	The chemistry, fluxes, and sources of carbon dioxide in the estuarine waters of the Satilla and Altamaha Rivers, Georgia. Limnology and Oceanography, 1998, 43, 657-668.	3.1	451
5	A multi-decade record of high-quality <i>f</i> CO <sub>2</sub> data in version 3 of the Surface Ocean CO <sub>2</sub> Atlas (SOCAT). Earth System Science Data, 2016. 8. 383-413.	9.9	413
6	The biogeochemistry of inorganic carbon and nutrients in the Pearl River estuary and the adjacent Northern South China Sea. Continental Shelf Research, 2004, 24, 1301-1319.	1.8	317
7	Air-sea exchange of carbon dioxide in ocean margins: A province-based synthesis. Geophysical Research Letters, 2006, 33, .	4.0	307
8	Mesoscale Eddies Drive Increased Silica Export in the Subtropical Pacific Ocean. Science, 2007, 316, 1017-1021.	12.6	249
9	Eutrophication-Driven Deoxygenation in the Coastal Ocean. Oceanography, 2014, 27, 172-183.	1.0	245
10	Comparison of hypoxia among four river-dominated ocean margins: The Changjiang (Yangtze), Mississippi, Pearl, and Rhône rivers. Continental Shelf Research, 2008, 28, 1527-1537.	1.8	227
11	Acidification in the U.S. Southeast: Causes, Potential Consequences and the Role of the Southeast Ocean and Coastal Acidification Network. Frontiers in Marine Science, 2020, 7, 1-548.	2.5	222
12	Decrease in the CO <sub>2</sub> Uptake Capacity in an Ice-Free Arctic Ocean Basin. Science, 2010, 329, 556-559.	12.6	218
13	Oxygen depletion in the upper reach of the Pearl River estuary during a winter drought. Marine Chemistry, 2006, 102, 159-169.	2.3	216
14	High partial pressure of CO2 and its maintaining mechanism in a subtropical estuary: the Pearl River estuary, China. Marine Chemistry, 2005, 93, 21-32.	2.3	209
15	Oxygen penetration depths and fluxes in marine sediments. Marine Chemistry, 1996, 52, 123-131.	2.3	203
16	A comparative overview of weathering intensity and HCO3â^' flux in the world's major rivers with emphasis on the Changjiang, Huanghe, Zhujiang (Pearl) and Mississippi Rivers. Continental Shelf Research, 2008, 28, 1538-1549.	1.8	203
17	Spatial distribution of riverine DOC inputs to the ocean: an updated global synthesis. Current Opinion in Environmental Sustainability, 2012, 4, 170-178.	6.3	201
18	Eutrophication Induced CO <sub>2</sub> -Acidification of Subsurface Coastal Waters: Interactive Effects of Temperature, Salinity, and Atmospheric <i>P</i> <sub>CO<sub>2</sub></sub> . Environmental Science & Technology, 2012, 46, 10651-10659.	10.0	197

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19	Carbon sequestration in wetland dominated coastal systems—a global sink of rapidly diminishing magnitude. Current Opinion in Environmental Sustainability, 2012, 4, 186-194.	6.3	193
20	Eutrophication-Driven Hypoxia in the East China Sea off the Changjiang Estuary. Environmental Science & Technology, 2016, 50, 2255-2263.	10.0	184
21	Carbon dioxide degassing and inorganic carbon export from a marshâ€dominated estuary (the Duplin) Tj ETQq1	1 0.78431 3.1	4 rgBT /Ove
22	A comparative study of carbon dioxide degassing in river―and marineâ€dominated estuaries. Limnology and Oceanography, 2008, 53, 2603-2615.	3.1	170
23	The geochemistry of dissolved inorganic carbon in a surficial groundwater aquifer in North Inlet, South Carolina, and the carbon fluxes to the coastal ocean. Geochimica Et Cosmochimica Acta, 2003, 67, 631-639.	3.9	163
24	Coral physiology and microbiome dynamics under combined warming and ocean acidification. PLoS ONE, 2018, 13, e0191156.	2.5	158
25	A uniform, quality controlled Surface Ocean CO <sub>2</sub> Atlas (SOCAT). Earth System Science Data, 2013, 5, 125-143.	9.9	158
26	An update to the Surface Ocean CO <sub>2</sub> Atlas (SOCAT version 2). Earth System Science Data, 2014, 6, 69-90.	9.9	158
27	Alkalinity distribution in the western North Atlantic Ocean margins. Journal of Geophysical Research, 2010, 115, .	3.3	155
28	Acid-Base Properties of Dissolved Organic Matter in the Estuarine Waters of Georgia, USA. Geochimica Et Cosmochimica Acta, 1998, 62, 473-483.	3.9	151
29	Carbon Budget of Tidal Wetlands, Estuaries, and Shelf Waters of Eastern North America. Global Biogeochemical Cycles, 2018, 32, 389-416.	4.9	147
30	And on Top of All That… Coping with Ocean Acidification in the Midst of Many Stressors. Oceanography, 2015, 25, 48-61.	1.0	143
31	The marine inorganic carbon system along the Gulf of Mexico and Atlantic coasts of the United States: Insights from a transregional coastal carbon study. Limnology and Oceanography, 2013, 58, 325-342.	3.1	141
32	Oxygen and carbon dioxide mass balance for the estuarineâ€intertidal marsh complex of five rivers in the southeastern U.S Limnology and Oceanography, 1999, 44, 639-649.	3.1	139
33	Coral Energy Reserves and Calcification in a High-CO2 World at Two Temperatures. PLoS ONE, 2013, 8, e75049.	2.5	137
34	Riverine inorganic carbon flux and rate of biological uptake in the Mississippi River plume. Geophysical Research Letters, 2003, 30, .	4.0	133
35	Effects of an estuarine plume-associated bloom on the carbonate system in the lower reaches of the Pearl River estuary and the coastal zone of the northern South China Sea. Continental Shelf Research, 2008, 28, 1416-1423.	1.8	130
36	Redox reactions and weak buffering capacity lead to acidification in the Chesapeake Bay. Nature Communications, 2017, 8, 369.	12.8	128

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37	The role of marsh-dominated heterotrophic continental margins in transport of CO2between the atmosphere, the land-sea interface and the ocean. Geophysical Research Letters, 2003, 30, .	4.0	121
38	Photooxidation and Its Effects on the Carboxyl Content of Dissolved Organic Matter in Two Coastal Rivers in the Southeastern United States. Environmental Science & Technology, 2004, 38, 4113-4119.	10.0	120
39	Airâ€sea CO <sub>2</sub> fluxes on the U.S. South Atlantic Bight: Spatial and seasonal variability. Journal of Geophysical Research, 2008, 113, .	3.3	119
40	Microelectrode characterization of coral daytime interior pH and carbonate chemistry. Nature Communications, 2016, 7, 11144.	12.8	115
41	Continental shelves as a variable but increasing global sink for atmospheric carbon dioxide. Nature Communications, 2018, 9, 454.	12.8	112
42	Distributions and air-sea fluxes of CO2 in the summer Bering Sea. Acta Oceanologica Sinica, 2014, 33, 1-8.	1.0	111
43	A retrospective analysis of nutrients and phytoplankton productivity in the Mississippi River plume. Continental Shelf Research, 2008, 28, 1466-1475.	1.8	109
44	Diurnal variations of surface seawater pCO2 in contrasting coastal environments. Limnology and Oceanography, 2009, 54, 735-745.	3.1	109
45	An assessment of ocean margin anaerobic processes on oceanic alkalinity budget. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	4.9	108
46	Remote sensing of salinity from satelliteâ€derived CDOM in the Changjiang River dominated East China Sea. Journal of Geophysical Research: Oceans, 2013, 118, 227-243.	2.6	106
47	Impact of human activities on organic carbon transport in the Yellow River. Biogeosciences, 2013, 10, 2513-2524.	3.3	103
48	Microelectrode studies of organic carbon degradation and calcite dissolution at a California Continental rise site. Geochimica Et Cosmochimica Acta, 1995, 59, 497-511.	3.9	101
49	Increase in acidifying water in the western ArcticÂOcean. Nature Climate Change, 2017, 7, 195-199.	18.8	101
50	Diatom bloomâ€derived bottom water hypoxia off the Changjiang estuary, with and without typhoon influence. Limnology and Oceanography, 2017, 62, 1552-1569.	3.1	101
51	Surface Ocean CO <sub>2</sub> Atlas (SOCAT) gridded data products. Earth System Science Data, 2013, 5, 145-153.	9.9	101
52	The partial pressure of carbon dioxide and air–sea fluxes in the northern South China Sea in spring, summer and autumn. Marine Chemistry, 2005, 96, 87-97.	2.3	97
53	Assessment of sample storage techniques for total alkalinity and dissolved inorganic carbon in seawater. Limnology and Oceanography: Methods, 2012, 10, 711-717.	2.0	97
54	Studies on the sea surface microlayer. Journal of Colloid and Interface Science, 2003, 264, 148-159.	9.4	96

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55	Increasing Mississippi river discharge throughout the 21st century influenced by changes in climate, land use, and atmospheric CO <sub>2</sub> . Geophysical Research Letters, 2014, 41, 4978-4986.	4.0	96
56	Ocean acidification along the Gulf Coast and East Coast of the USA. Continental Shelf Research, 2015, 98, 54-71.	1.8	96
57	Carbon dynamics and community production in the Mississippi River plume. Limnology and Oceanography, 2012, 57, 1-17.	3.1	94
58	The combined effects of acidification and hypoxia on pH and aragonite saturation in the coastal waters of the California current ecosystem and the northern Gulf of Mexico. Continental Shelf Research, 2018, 152, 50-60.	1.8	94
59	Net ecosystem production and organic carbon balance of U.S. East Coast estuaries: A synthesis approach. Global Biogeochemical Cycles, 2015, 29, 96-111.	4.9	93
60	Seasonal variations in the inorganic carbon system in the Pearl River (Zhujiang) estuary. Continental Shelf Research, 2008, 28, 1424-1434.	1.8	91
61	CO <sub>2</sub> flux and seasonal variability in a large subtropical estuarine system, the Pearl River Estuary, China. Journal of Geophysical Research, 2009, 114, .	3.3	90
62	Longâ€ŧerm trends in evapotranspiration and runoff over the drainage basins of the Gulf of Mexico during 1901–2008. Water Resources Research, 2013, 49, 1988-2012.	4.2	90
63	Eutrophicationâ€induced acidification of coastal waters in the northern Gulf of Mexico: Insights into origin and processes from a coupled physicalâ€biogeochemical model. Geophysical Research Letters, 2017, 44, 946-956.	4.0	89
64	Summertime Changjiang River plume variation during 1998–2010. Journal of Geophysical Research: Oceans, 2014, 119, 6238-6257.	2.6	88
65	Surface ocean <i>p</i> CO <sub>2</sub> seasonality and sea-air CO <sub>2</sub> flux estimates for the North American east coast. Journal of Geophysical Research: Oceans, 2013, 118, 5439-5460.	2.6	87
66	The development of pH and pCO2 microelectrodes for studying the carbonate chemistry of pore waters near the sediment-water interface. Limnology and Oceanography, 1993, 38, 1762-1773.	3.1	81
67	Satellite ocean color assessment of air-sea fluxes of CO2in a river-dominated coastal margin. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	81
68	Spatial Patterns of Groundwater Biogeochemical Reactivity in an Intertidal Beach Aquifer. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2548-2562.	3.0	81
69	The spatiotemporal distribution of dissolved inorganic and organic carbon in the main stem of the Changjiang (Yangtze) River and the effect of the Three Gorges Reservoir. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 741-757.	3.0	79
70	A machine learning approach to estimate surface ocean pCO2 from satellite measurements. Remote Sensing of Environment, 2019, 228, 203-226.	11.0	79
71	Intertidal marsh as a source of dissolved inorganic carbon and a sink of nitrate in the Satilla Riverâ€estuarine complex in the southeastern U.S Limnology and Oceanography, 2000, 45, 1743-1752.	3.1	77
72	Seasonal variations of sea–air CO <sub>2</sub> fluxes in the largest tropical marginal sea (South China Sea) based on multiple-year underway measurements. Biogeosciences, 2013, 10, 7775-7791.	3.3	77

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73	Controls on surface water carbonate chemistry along North American ocean margins. Nature Communications, 2020, 11, 2691.	12.8	77
74	Physiological response to elevated temperature and pCO2 varies across four Pacific coral species: Understanding the unique host+symbiont response. Scientific Reports, 2015, 5, 18371.	3.3	72
75	The carbon dioxide system on the <scp>M</scp> ississippi <scp>R</scp> iverâ€dominated continental shelf in the northern <scp>G</scp> ulf of <scp>M</scp> exico: 1. Distribution and airâ€sea CO <sub>2</sub> flux. Journal of Geophysical Research: Oceans, 2015, 120, 1429-1445.	2.6	72
76	Modeling ocean circulation and biogeochemical variability in the Gulf of Mexico. Biogeosciences, 2013, 10, 7219-7234.	3.3	70
77	A mechanistic semiâ€analytical method for remotely sensing sea surface <i>p</i> <scp>CO</scp> <sub>2</sub> in riverâ€dominated coastal oceans: A case study from the <scp>E</scp> ast <scp>C</scp> hina <scp>S</scp> ea. Journal of Geophysical Research: Oceans, 2015, 120, 2331-2349.	2.6	69
78	Autonomous seawater <i>p</i> CO <sub>2</sub> and pH time series from 40 surface buoys and the emergence of anthropogenic trends. Earth System Science Data, 2019, 11, 421-439.	9.9	69
79	Natural and Anthropogenic Drivers of Acidification in Large Estuaries. Annual Review of Marine Science, 2021, 13, 23-55.	11.6	68
80	Air–water fluxes and sources of carbon dioxide in the Delaware Estuary: spatial and seasonal variability. Biogeosciences, 2015, 12, 6085-6101.	3.3	67
81	Sea surface carbon dioxide at the Georgia time series site (2006–2007): Air–sea flux and controlling processes. Progress in Oceanography, 2016, 140, 14-26.	3.2	66
82	Comment on "Enhanced Open Ocean Storage of CO2 from Shelf Sea Pumping". Science, 2004, 306, 1477c-1477c.	12.6	61
83	Using present-day observations to detect when anthropogenic change forces surface ocean carbonate chemistry outside preindustrial bounds. Biogeosciences, 2016, 13, 5065-5083.	3.3	60
84	Estuarine acidification and minimum buffer zone—A conceptual study. Geophysical Research Letters, 2013, 40, 5176-5181.	4.0	56
85	pH and pCO2 microelectrode measurements and the diffusive behavior of carbon dioxide species in coastal marine sediments. Marine Chemistry, 2000, 70, 133-148.	2.3	55
86	Benthic oxygen flux, bottom water oxygen concentration and core top organic carbon content in the deep northeast Pacific Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 1995, 42, 1681-1699.	1.4	54
87	Seasonal variability in airâ€sea fluxes of CO <sub>2</sub> in a riverâ€influenced coastal margin. Journal of Geophysical Research, 2010, 115, .	3.3	54
88	An Improved PotentiometricpCO2Microelectrode. Analytical Chemistry, 1997, 69, 5052-5058.	6.5	53
89	The Ocean Carbon Cycle in the Western Arctic Ocean: Distributions and Air-Sea Fluxes of Carbon Dioxide. Oceanography, 2011, 24, 186-201.	1.0	53
90	Centuryâ€long increasing trend and variability of dissolved organic carbon export from the Mississippi River basin driven by natural and anthropogenic forcing. Global Biogeochemical Cycles, 2016, 30, 1288-1299.	4.9	53

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91	CO <sub>2</sub> uptake in the East China Sea relying on Changjiang runoff is prone to change. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	51
92	Controls on Carbonate System Dynamics in a Coastal Plain Estuary: A Modeling Study. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 61-78.	3.0	51
93	Coupling of surface <i>p</i> CO <sub>2</sub> and dissolved oxygen in the northern South China Sea: impacts of contrasting coastal processes. Biogeosciences, 2009, 6, 2589-2598.	3.3	48
94	The marine carbonate system of the Arctic Ocean: Assessment of internal consistency and sampling considerations, summer 2010. Marine Chemistry, 2015, 176, 174-188.	2.3	48
95	Seasonal variability of the inorganic carbon system in a large coastal plain estuary. Biogeosciences, 2017, 14, 4949-4963.	3.3	48
96	Biogeochemical characteristics of the lower Mississippi River, USA, during June 2003. Estuaries and Coasts, 2005, 28, 664-674.	1.7	47
97	Internal consistency of marine carbonate system measurements and assessments of aragonite saturation state: Insights from two U.S. coastal cruises. Marine Chemistry, 2015, 176, 9-20.	2.3	47
98	Sea surfacepCO2-SST relationships across a cold-core cyclonic eddy: Implications for understanding regional variability and air-sea gas exchange. Geophysical Research Letters, 2007, 34, .	4.0	46
99	Climate extremes dominating seasonal and interannual variations in carbon export from the Mississippi River Basin. Global Biogeochemical Cycles, 2015, 29, 1333-1347.	4.9	46
100	Chesapeake Bay acidification buffered by spatially decoupled carbonate mineral cycling. Nature Geoscience, 2020, 13, 441-447.	12.9	44
101	Longâ€Term Trajectory of Nitrogen Loading and Delivery From Mississippi River Basin to the Gulf of Mexico. Global Biogeochemical Cycles, 2020, 34, e2019GB006475.	4.9	44
102	Preferential dissolution of carbonate shells driven by petroleum seep activity in the Gulf of Mexico. Earth and Planetary Science Letters, 2006, 248, 227-243.	4.4	43
103	Satellite estimation of coastal pCO2 and air-sea flux of carbon dioxide in the northern Gulf of Mexico. Remote Sensing of Environment, 2018, 207, 71-83.	11.0	42
104	Degradation of algal lipids in microcosm sediments with different mixing regimes. Organic Geochemistry, 2002, 33, 445-459.	1.8	41
105	Effects of a wind-driven cross-shelf large river plume on biological production and CO2 uptake on the Gulf of Mexico during spring. Limnology and Oceanography, 2013, 58, 1727-1735.	3.1	41
106	Removal of dissolved inorganic carbon in the Yellow River Estuary. Limnology and Oceanography, 2014, 59, 413-426.	3.1	41
107	Consumption of atmospheric CO2 via chemical weathering in the Yellow River basin: The Qinghai–Tibet Plateau is the main contributor to the high dissolved inorganic carbon in the Yellow River. Chemical Geology, 2016, 430, 34-44.	3.3	41
108	Direct determination of thickness of sea surface microlayer using a pH microelectrode at original location. Science in China Series B: Chemistry, 2003, 46, 339.	0.8	40

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109	Seasonality of CO <sub>2</sub> in coastal oceans altered by increasing anthropogenic nutrient delivery from large rivers: evidence from the Changjiang–East China Sea system. Biogeosciences, 2013, 10, 3889-3899.	3.3	40
110	Sea-ice loss amplifies summertime decadal CO2 increase in the western Arctic Ocean. Nature Climate Change, 2020, 10, 678-684.	18.8	40
111	Seaâ€air CO <sub>2</sub> exchange in the western Arctic coastal ocean. Global Biogeochemical Cycles, 2015, 29, 1190-1209.	4.9	39
112	The southeastern continental shelf of the United States as an atmospheric CO2 source and an exporter of inorganic carbon to the ocean. Continental Shelf Research, 2005, 25, 1917-1941.	1.8	38
113	Large increase in dissolved inorganic carbon flux from the Mississippi River to Gulf of Mexico due to climatic and anthropogenic changes over the 21st century. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 724-736.	3.0	38
114	Carbon Cycling and the Coupling Between Proton and Electron Transfer Reactions in Aquatic Sediments in Lake Champlain. Aquatic Geochemistry, 2010, 16, 421-446.	1.3	37
115	Correcting a major error in assessing organic carbon pollution in natural waters. Science Advances, 2021, 7, .	10.3	37
116	Chesapeake Bay Inorganic Carbon: Spatial Distribution and Seasonal Variability. Frontiers in Marine Science, 2019, 6, .	2.5	36
117	Increased extreme precipitation challenges nitrogen load management to the Gulf of Mexico. Communications Earth & Environment, 2020, 1, .	6.8	36
118	Treated Wastewater Changes the Export of Dissolved Inorganic Carbon and Its Isotopic Composition and Leads to Acidification in Coastal Oceans. Environmental Science & amp; Technology, 2018, 52, 5590-5599.	10.0	35
119	Influence of terrestrial inputs on continental shelf carbon dioxide. Biogeosciences, 2013, 10, 839-849.	3.3	34
120	Ecosystem Metabolism and Carbon Balance in Chesapeake Bay: A 30‥ear Analysis Using a Coupled Hydrodynamicâ€Biogeochemical Model. Journal of Geophysical Research: Oceans, 2019, 124, 6141-6153.	2.6	34
121	Sea surface aragonite saturation state variations and control mechanisms at the Gray's Reef time-series site off Georgia, USA (2006–2007). Marine Chemistry, 2017, 195, 27-40.	2.3	32
122	The stoichiometry of inorganic carbon and nutrient removal in the Mississippi River plume and adjacent continental shelf. Biogeosciences, 2012, 9, 2781-2792.	3.3	31
123	Changing riverine organic C:N ratios along the Pearl River: Implications for estuarine and coastal carbon cycles. Science of the Total Environment, 2020, 709, 136052.	8.0	31
124	The role of Mg2+ in inhibiting CaCO3 precipitation from seawater. Marine Chemistry, 2021, 237, 104036.	2.3	31
125	A long pathlength liquid-core waveguide sensor for real-time pCO2 measurements at sea. Marine Chemistry, 2003, 84, 73-84.	2.3	30
126	Satellite Assessment of Bio-Optical Properties of Northern Gulf of Mexico Coastal Waters Following Hurricanes Katrina and Rita. Sensors, 2008, 8, 4135-4150.	3.8	30

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127	Carbonate mineral saturation states along the U.S. East Coast. Limnology and Oceanography, 2010, 55, 2424-2432.	3.1	30
128	Air–sea CO2 fluxes in the southern Yellow Sea: An examination of the continental shelf pump hypothesis. Continental Shelf Research, 2011, 31, 1904-1914.	1.8	30
129	Calcification of the planktonic foraminifera <scp><i>Globigerina bulloides</i></scp> and carbonate ion concentration: Results from the Santa Barbara Basin. Paleoceanography, 2016, 31, 1083-1102.	3.0	30
130	Ocean carbonate system computation for anoxic waters using an updated CO2SYS program. Marine Chemistry, 2017, 195, 90-93.	2.3	30
131	The response of inorganic carbon distributions and dynamics to upwelling-favorable winds on the northern Gulf of Mexico during summer. Continental Shelf Research, 2015, 111, 211-222.	1.8	29
132	Inorganic carbon and oxygen dynamics in a marshâ€dominated estuary. Limnology and Oceanography, 2018, 63, 47-71.	3.1	29
133	Bacterial production and respiration in subtropical Hong Kong waters: influence of the Pearl River discharge and sewage effluent. Aquatic Microbial Ecology, 2010, 58, 167-179.	1.8	29
134	Total alkalinity minus dissolved inorganic carbon as a proxy for deciphering ocean acidification mechanisms. Marine Chemistry, 2020, 222, 103791.	2.3	28
135	Organic carbon fluxes mediated by corals at elevated pCO2 and temperature. Marine Ecology - Progress Series, 2015, 519, 153-164.	1.9	27
136	Effects of eutrophication and benthic respiration on water column carbonate chemistry in a traditional hypoxic zone in the Northern Gulf of Mexico. Marine Chemistry, 2017, 194, 33-42.	2.3	27
137	Air–water CO <sub>2</sub> evasion from US East Coast estuaries. Biogeosciences, 2017, 14, 2441-2468.	3.3	27
138	Decadal <i>f</i> CO <sub>2</sub> trends in global ocean margins and adjacent boundary currentâ€influenced areas. Geophysical Research Letters, 2017, 44, 8962-8970.	4.0	26
139	Influence of seasonal monsoons on net community production and CO <sub>2</sub> in subtropical Hong Kong coastal waters. Biogeosciences, 2011, 8, 289-300.	3.3	25
140	A long pathlength spectrophotometric pCO2 sensor using a gas-permeable liquid-core waveguide. Talanta, 2002, 57, 69-80.	5.5	24
141	Shortâ€ŧerm variability of aragonite saturation state in the central <scp>M</scp> idâ€ <scp>A</scp> tlantic <scp>B</scp> ight. Journal of Geophysical Research: Oceans, 2017, 122, 4274-4290.	2.6	24
142	Pelagic community respiration on the continental shelf off Georgia, USA. Biogeochemistry, 2010, 98, 101-113.	3.5	23
143	On the calculation of eddy diffusivity in the shelf water from radium isotopes: High sensitivity to advection. Journal of Marine Systems, 2011, 86, 28-33.	2.1	23
144	The Development and Validation of a Profiling Clider Deep ISFET-Based pH Sensor for High Resolution Observations of Coastal and Ocean Acidification. Frontiers in Marine Science, 2019, 6, .	2.5	23

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145	Distributions and air–sea fluxes of carbon dioxide in the Western Arctic Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 81-84, 46-52.	1.4	22
146	Coral responses to ocean warming and acidification: Implications for future distribution of coral reefs in the South China Sea. Marine Pollution Bulletin, 2019, 138, 241-248.	5.0	22
147	Longâ€Term Changes of Carbonate Chemistry Variables Along the North American East Coast. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015982.	2.6	22
148	Modeling <i>p</i> CO <sub>2</sub> variability in the Gulf of Mexico. Biogeosciences, 2016, 13, 4359-4377.	3.3	21
149	Response of sea surface fugacity of CO <sub>2</sub> to the SAM shift south of Tasmania: Regional differences. Geophysical Research Letters, 2015, 42, 3973-3979.	4.0	20
150	Remote Sensing of Sea Surface pCO2 in the Bering Sea in Summer Based on a Mechanistic Semi-Analytical Algorithm (MeSAA). Remote Sensing, 2016, 8, 558.	4.0	20
151	Assessment of the suitability of Durafet-based sensors for pH measurement in dynamic estuarine environments. Estuarine, Coastal and Shelf Science, 2018, 200, 152-168.	2.1	20
152	Understanding Anthropogenic Impacts on pH and Aragonite Saturation State in Chesapeake Bay: Insights From a 30â€Year Model Study. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005620.	3.0	20
153	Source partitioning of oxygenâ€consuming organic matter in the hypoxic zone of the Chesapeake Bay. Limnology and Oceanography, 2020, 65, 1801-1817.	3.1	20
154	Aragonite saturation state in a monsoonal upwelling system off Java, Indonesia. Journal of Marine Systems, 2016, 153, 10-17.	2.1	19
155	Multidecadal <i>f</i> CO <sub>2</sub> Increase Along the United States Southeast Coastal Margin. Journal of Geophysical Research: Oceans, 2017, 122, 10061-10072.	2.6	19
156	Physical and Biogeochemical Controls on pH Dynamics in the Northern Gulf of Mexico During Summer Hypoxia. Journal of Geophysical Research: Oceans, 2019, 124, 5979-5998.	2.6	19
157	Freshening leads to a three-decade trend of declining nutrients in the western Arctic Ocean. Environmental Research Letters, 2021, 16, 054047.	5.2	19
158	Pore-water geochemistry of two contrasting brine-charged seep sites in the northern Gulf of Mexico continental slope. Marine Chemistry, 2010, 118, 99-107.	2.3	18
159	Time series pCO2 at a coastal mooring: Internal consistency, seasonal cycles, and interannual variability. Continental Shelf Research, 2017, 145, 95-108.	1.8	18
160	Hypoxic Bottom Waters as a Carbon Source to Atmosphere During a Typhoon Passage Over the East China Sea. Geophysical Research Letters, 2019, 46, 11329-11337.	4.0	18
161	Time of Emergence of Surface Ocean Carbon Dioxide Trends in the North American Coastal Margins in Support of Ocean Acidification Observing System Design. Frontiers in Marine Science, 2019, 6, .	2.5	18
162	Summertime Evolution of Net Community Production and CO <sub>2</sub> Flux in the Western Arctic Ocean. Global Biogeochemical Cycles, 2021, 35, e2020GB006651.	4.9	18

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163	Estimating surface pCO2 in the northern Gulf of Mexico: Which remote sensing model to use?. Continental Shelf Research, 2017, 151, 94-110.	1.8	17
164	Effects of Biological Production and Vertical Mixing on Sea Surface <i>p</i> CO <sub>2</sub> Variations in the Changjiang River Plume During Early Autumn: A Buoyâ€Based Time Series Study. Journal of Geophysical Research: Oceans, 2018, 123, 6156-6173.	2.6	17
165	Climatic modulation of surface acidification rates through summertime wind forcing in the Southern Ocean. Nature Communications, 2018, 9, 3240.	12.8	17
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