## Degree of saturation of CaCO<sub>3</sub>in the ocean

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Citation Report

#	Article	IF	CITATIONS
1	Solubility of calcium carbonate in seawater at high pressures and 2°C. Geochimica Et Cosmochimica Acta, 1969, 33, 1557-1561.	3.9	53
2	Abyssal carbon and radiocarbon in the Pacific. Journal of Geophysical Research, 1969, 74, 5491-5506.	3.3	241
3	Quantitative analysis of total carbon dioxide in sea water: A new extraction method. Deep Sea Research and Oceanographic Abstracts, 1970, 17, 9-17.	0.3	15
4	Abyssal carbon 13 in the South Pacific. Journal of Geophysical Research, 1970, 75, 691-695.	3.3	66
5	Interchange of water between the major oceans. Journal of Geophysical Research, 1970, 75, 3545-3552.	3.3	44
6	Structure of the Blake-Bahama Outer Ridge. Journal of Geophysical Research, 1970, 75, 4539-4555.	3.3	136
7	Radium in the Indian-Antarctic Ocean south of Australia. Journal of Geophysical Research, 1970, 75, 5286-5292.	3.3	58
8	A carbonate chemistry profile at the 1969 Geosecs Intercalibration Station in the eastern Pacific Ocean. Journal of Geophysical Research, 1970, 75, 7648-7666.	3.3	54
9	Carbon 13 measurements on dissolved inorganic carbon at the North Pacific (1969) Geosecs station. Journal of Geophysical Research, 1970, 75, 7668-7671.	3.3	82
10	Barium in sea water. Earth and Planetary Science Letters, 1970, 8, 372-378.	4.4	122
11	On the carbonate compensation depth in the Pacific Ocean. Geochimica Et Cosmochimica Acta, 1970, 34, 836-839.	3.9	41
12	On the calculation of the degree of saturation of sea water with respect to calcium carbonate under in situ conditions. Geochimica Et Cosmochimica Acta, 1970, 34, 1261-1291.	3.9	165
13	Deep-sea in situ calcium carbonate saturometry. Journal of Geophysical Research, 1971, 76, 722-731.	3.3	32
14	The deep metabolism: Oxygen consumption in abyssal ocean water. Journal of Geophysical Research, 1971, 76, 5078-5086.	3.3	105
15	Transoceanic alkalinity profiles in the South Pacific. Antarctic Research Series, 1971, , 315-326.	0.2	3
16	Marine geochemistry. Eos, 1971, 52, IUGG237.	0.1	4
17	THE GENESIS OF CONDENSED SEQUENCES IN THE TETHYAN JURASSIC. Lethaia, 1971, 4, 327-352.	1.4	105
18	The vertical distribution of radon in the Bomex area. Earth and Planetary Science Letters, 1971, 11, 99-108.	4.4	98

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#	Article	IF	CITATIONS
19	Budget of Calcium Carbonate, Southern California Continental Borderland. Journal of Sedimentary Research, 1971, Vol. 41, .	1.6	5
20	Faunal and solution patterns of planktonic Foraminifera in surface sediments of the South Pacific. Deep Sea Research and Oceanographic Abstracts, 1971, 18, 73-107.	0.3	77
21	A Kinetic Model for the Chemical Composition of Sea Water. Quaternary Research, 1971, 1, 188-207.	1.7	180
22	Sedimentation of planktonic foraminifera. Marine Geology, 1971, 11, 325-358.	2.1	206
23	Speculations on the genesis of crinoidal limestones in the Tethyan Jurassic. Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie, 1971, 60, 471-488.	1.3	26
24	References in the Appendix. Developments in Sedimentology, 1972, , 615-632.	0.5	0
25	37.—The Thermodynamic Description of the CO2 System in Sea Water: Development and Current Status Proceedings of the Royal Society of Edinburgh Section B: Biology, 1972, 72, 371-380.	0.0	1
26	Total CO2,13C, and dissolved oxygen -18O at Geosecs II in the North Atlantic. Earth and Planetary Science Letters, 1972, 16, 103-110.	4.4	113
27	Comments on a Paper by S. Ben-Yaakov and I. R. Kaplan, †Deep sea in situ carbonate saturometry'. Journal of Geophysical Research, 1972, 77, 2733-2734.	3.3	8
28	The partial molal volume of calcium carbonate in sea water. Geochimica Et Cosmochimica Acta, 1972, 36, 729-734.	3.9	31
29	The geologic history of sea water—an attempt to solve the problem. Geochimica Et Cosmochimica Acta, 1972, 36, 637-651.	3.9	126
30	Effect of pressure on carbonate equilibria in seawater. Geochimica Et Cosmochimica Acta, 1972, 36, 92-98.	3.9	46
31	An approach to the modeling of lakes. Swiss Journal of Hydrology, 1972, 34, 1-33.	0.8	20
32	An estimate of the vertical diffusivity of the deep water. Journal of Oceanography, 1972, 28, 145-152.	1.7	15
33	Oxygen-carbon dioxide-nutrients relationships in the Southeastern Region of the Bering Sea. Journal of the Oceanographical Society of Japan, 1972, 28, 71-93.	0.3	5
34	The carbon dioxide system in the oceans. Swiss Journal of Hydrology, 1973, 35, 8-28.	0.8	5
35	The effect of temperature on carbon dioxide partial pressures in seawater. Marine Chemistry, 1973, 1, 317-322.	2.3	72
36	Two discontinuities in the deep water of the western North Pacific Ocean. Deep Sea Research and Oceanographic Abstracts, 1973, 20, 527-536.	0.3	3

		LPOKI	
#	Article	IF	Citations
37	Calcium in the Pacific Ocean. Deep Sea Research and Oceanographic Abstracts, 1973, 20, 717-726.	0.3	10
38	Dissolution and behavior of particulate biogenic matter in the ocean: Some theoretical considerations. Journal of Geophysical Research, 1973, 78, 7100-7111.	3.3	22
39	Barium in the Antarctic Ocean and implications regarding the marine geochemistry of Ba and226Ra. Earth and Planetary Science Letters, 1973, 19, 352-358.	4.4	66
40	TEMPORAL AND DEPTH STUDY OF ALKALINE EARTH CHLORINITY RATIOS IN SEAWATER AT A SINGLE STATION SOUTH OF PUERTO RICO1. Limnology and Oceanography, 1973, 18, 771-783.	3.1	2
41	In situ Sampler for Marine Sedimentary Pore Waters: Evidence for Potassium Depletion and Calcium Enrichment. Science, 1973, 181, 154-156.	12.6	58
42	Carbonate Compensation Depth: Relation to Carbonate Solubility in Ocean Waters. Science, 1974, 184, 982-984.	12.6	29
43	Deep-Sea Sedimentation. , 1974, , 213-241.		75
44	Facies distribution and dissolution depths of surface sediment components from the Vema channel and the Rio Grande rise (southwest Atlantic Ocean). Marine Geology, 1974, 17, 341-353.	2.1	56
45	The dissolved O2-CO2-13C system in the eastern equatorial pacific. Deep Sea Research and Oceanographic Abstracts, 1974, 21, 211-227.	0.3	43
46	Calcium carbonate saturation in northeastern pacific:in situ determination and geochemical implications. Deep Sea Research and Oceanographic Abstracts, 1974, 21, 229-243.	0.3	2
47	On the dissolution of carbonate and silicate in the deep ocean. Deep Sea Research and Oceanographic Abstracts, 1974, 21, 455-480.	0.3	25
48	The tritium and carbon-14 profiles at the Geosecs I (1969) and GOGO I (1971) North Pacific stations. Earth and Planetary Science Letters, 1974, 23, 108-115.	4.4	18
49	Correlations between13C and ΣCO2 in surface waters and atmospheric CO2. Earth and Planetary Science Letters, 1974, 22, 397-403.	4.4	99
50	Chemical Equilibria in the Hydrosphere. , 1974, , 39-58.		0
51	Influence of magnesium on the ion-activity product of calcium and carbonate dissolved in seawater: A new approach. Marine Chemistry, 1975, 3, 63-77.	2.3	17
52	Factors controlling CaCO3 dissolution in the Weddell Sea from foraminiferal distribution patterns. Marine Geology, 1975, 19, 315-332.	2.1	64
53	New interpretations of Great Salt Lake ooids and of ancient non-skeletal carbonate mineralogy. Sedimentology, 1975, 22, 497-537.	3.1	204
54	Future impact of fossil CO2 on the sea. Nature, 1975, 254, 273-274.	27.8	5

#	Article	IF	CITATIONS
55	A carbon budget for Lake Ontario. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1975, 19, 291-299.	0.1	1
56	Some recent thinking on the future carbonate system of the sea. Science of the Total Environment, 1975, 4, 177-183.	8.0	3
57	Some trends in marine chemistry and geochemistry. Earth-Science Reviews, 1975, 11, 1-46.	9.1	14
58	An IFYGL Carbon Budget for Lake Ontario. Journal of Great Lakes Research, 1976, 2, 307-323.	1.9	24
59	Distribution of calcium carbonate in surface sediments of the Atlantic Ocean. Journal of Geophysical Research, 1976, 81, 2595-2603.	3.3	137
60	Calcium carbonate distribution in the surface sediments of the Indian Ocean. Journal of Geophysical Research, 1976, 81, 2605-2616.	3.3	132
61	Distribution of carbonate in surface sediments of the Pacific Ocean. Journal of Geophysical Research, 1976, 81, 2617-2627.	3.3	183
62	A method for shipboard measurement of CO2 partial pressure in seawater. Earth and Planetary Science Letters, 1976, 32, 451-457.	4.4	12
63	An evaluation of the apparent dissociation constants of carbonic acid in seawater. Earth and Planetary Science Letters, 1976, 32, 458-467.	4.4	28
64	Aragonite dissolution on the Bermuda pedestal: Its depth and geochemical significance. Earth and Planetary Science Letters, 1976, 30, 169-178.	4.4	43
65	Actual and anticipated petrographic effects of carbonate undersaturation in shallow seawater. Nature, 1976, 262, 653-657.	27.8	29
66	The Oceanic Microcosm of Particles. Science, 1977, 198, 997-1009.	12.6	161
68	Manganese in seawater and the marine manganese balance. Deep-sea Research, 1977, 24, 799-812.	0.5	162
69	Computerized high-precision titrations of some major constituents of seawater on board the R.V. Dmitry Mendeleev. Deep-sea Research, 1977, 24, 345-IN1.	0.5	21
70	The influence of organic matter and atmospheric deposition on the particulate trace metal concentration of northwest Atlantic surface seawater. Marine Chemistry, 1977, 5, 143-170.	2.3	71
71	The chemistry, biology and vertical flux of particulate matter from the upper 400 m of the Cape Basin in the southeast Atlantic Ocean. Deep-sea Research, 1978, 25, 1121-1161.	0.5	144
72	Deep-sea carbonate: pteropod distribution and the aragonite compensation depth. Deep-sea Research, 1978, 25, 447-452.	0.5	123
73	A Method for Quantitative Evaluation of Carbonate Dissolution in Deep-Sea Sediments and its Application to Paleoceanographic Reconstruction. Quaternary Research, 1978, 10, 112-129.	1.7	36

#	Article	IF	CITATIONS
74	Correction of ground-water chemistry and carbon isotopic composition for effects of CO2 outgassing. Geochimica Et Cosmochimica Acta, 1978, 42, 1799-1807.	3.9	56
75	Dissolution rates of calcium carbonate in the deep ocean; an in-situ experiment in the North Atlantic Ocean. Earth and Planetary Science Letters, 1978, 40, 287-300.	4.4	82
76	Decomposition of Calcium Carbonate and Organic Carbon in the Deep Oceans. Science, 1978, 201, 735-736.	12.6	57
77	Impact of deep-sea drilling on paleoceanography. Maurice Ewing Series, 1979, , 297-314.	0.1	38
78	A literature review of the saturation state of seawater with respect to calcium carbonate and its possible significance for scale formation on OTEC heat exchangers. Ocean Engineering, 1979, 6, 297-315.	4.3	11
79	Atmospheric response to deep-sea injections of fossil-fuel carbon dioxide. Climatic Change, 1979, 2, 53-68.	3.6	101
80	Variable influence of the atmospheric flux on the trace metal chemistry of oceanic suspended matter. Earth and Planetary Science Letters, 1979, 42, 399-411.	4.4	574
81	Speculations about the Upper Miocene change in abyssal Pacific dissolved bicarbonate δ13C. Earth and Planetary Science Letters, 1979, 45, 383-393.	4.4	76
82	The Suess effect: 13Carbon-14Carbon interrelations. Environment International, 1979, 2, 229-300.	10.0	410
83	Paleoceanographic implications of organic carbon and carbonate distribution in Mesozoic deepsea sediments. Maurice Ewing Series, 1979, , 249-274.	0.1	50
84	<sup>14</sup> C Variations Caused by Changes in the Global Carbon Cycle. Radiocarbon, 1980, 22, 177-191.	1.8	177
86	Aspects of the statistical analysis of marine ore deposits. Mineralium Deposita, 1980, 15, 335.	4.1	3
87	The solubility of CaCO3 in seawater at 2°C based upon in-situ sampled pore water composition. Marine Chemistry, 1980, 9, 223-235.	2.3	41
88	Dissolution and carbonate fluctuations in Pleistocene deep-sea cores: A review. Marine Geology, 1980, 34, 1-28.	2.1	131
89	Distribution and ecology of benthic foraminifera in the Norwegian-Greenland Sea. Marine Micropaleontology, 1980, 5, 401-428.	1.2	82
90	Aragonite from deep sea ultramafic rocks. Geochimica Et Cosmochimica Acta, 1980, 44, 1207-1214.	3.9	65
91	Carbonate saturation and the effect of pressure on the alkalinity of interstitial waters from the Guatemala Basin. Geochimica Et Cosmochimica Acta, 1980, 44, 963-972.	3.9	82
92	Processes affecting the oceanic distributions of dissolved calcium and alkalinity. Journal of Geophysical Research, 1980, 85, 2719-2727.	3.3	36

#	Article	IF	CITATIONS
93	lsotopic fractionations during oxygen consumption and carbonate dissolution within the North Atlantic Deep Water. Earth and Planetary Science Letters, 1980, 49, 485-498.	4.4	28
94	Discrete suspended particles of barite and the barium cycle in the open ocean. Earth and Planetary Science Letters, 1980, 49, 528-550.	4.4	559
95	A review of three important recent publications on manganese nodules. Chemical Geology, 1980, 31, 347-361.	3.3	0
96	The chemistry, biology, and vertical flux of particulate matter from the upper 1500 m of the Panama Basin. Deep-sea Research Part A, Oceanographic Research Papers, 1980, 27, 615-640.	1.5	112
97	Late Quaternary sedimentation in the western north Atlantic: stratigraphy and paleoceanography. Palaeogeography, Palaeoclimatology, Palaeoecology, 1981, 35, 215-240.	2.3	53
98	Solid State Chemical Model for the Solubility Behaviour of CaCO <sub>3</sub> ï£; MgCO <sub>3</sub> Solid Solutions. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1981, 85, 713-716.	0.9	12
99	Do carbonate skeletons limit the rate of body growth?. Nature, 1981, 292, 150-152.	27.8	142
100	Tertiary carbonate-dissolution cycles on the Sierra Leone Rise, eastern equatorial Atlantic Ocean. Marine Geology, 1981, 39, 81-101.	2.1	51
101	Planktonic foraminiferal flux to the deep ocean: Sediment trap results from the tropical Atlantic and the central Pacific. Marine Geology, 1981, 40, 237-253.	2.1	46
102	Kalkturbidite im Oberjura der NĶrdlichen Kalkalpen (Barmsteinkalke, Salzburg, Ėsterreich). Facies, 1981, 4, 215-347.	1.4	23
103	Evaluation of the calcium problem in the South Pacific Geochemical Journal, 1982, 16, 1-10.	1.0	37
104	Total individual ion activity coefficients of calcium and carbonate in seawater at 25°C and 35%. salinity, and implications to the agreement between apparent and thermodynamic constants of calcite and aragonite. Geochimica Et Cosmochimica Acta, 1982, 46, 247-258.	3.9	33
105	The geochemistry of manganese carbonate in Panama Basin sediments. Geochimica Et Cosmochimica Acta, 1982, 46, 59-68.	3.9	217
106	The nature and distribution of organic matter in the surface sediments of world oceans and seas. Organic Geochemistry, 1982, 4, 63-77.	1.8	237
107	Equilibrium approaches to natural water systems—Part 2. Swiss Journal of Hydrology, 1982, 44, 393-404.	0.8	7
108	Carbonate dissolution and abyssal hydrography in the Atlantic Ocean. Marine Geology, 1982, 47, 165-180.	2.1	74
109	Calcium: chlorinity ratio and carbonate dissolution in the northwestern Indian Ocean. Deep-sea Research Part A, Oceanographic Research Papers, 1983, 30, 381-392.	1.5	8
110	Glacial-Holocene changes in atmospheric CO2 and the deep-sea record. Geophysical Monograph Series, 1984, , 337-351.	0.1	126

#	Article	IF	CITATIONS
111	The trace element geochemistry of marine biogenic particulate matter. Progress in Oceanography, 1984, 13, 113-199.	3.2	381
112	Analysis of a relationship between the vertical distribution of inorganic carbon and biological productivity in the oceans. Journal of Geophysical Research, 1984, 89, 8194-8196.	3.3	7
113	Changes in atmospheric CO <sub>2</sub> : Influence of the marine biota at high latitude. Journal of Geophysical Research, 1984, 89, 4629-4637.	3.3	438
114	Response of global deep-water circulation to Earth's climatic change 135,000–107,000 years ago. Nature, 1985, 316, 500-507.	27.8	136
115	Principles of constrained inversion in the calibration of carbon cycle models. Tellus, Series B: Chemical and Physical Meteorology, 1985, 37B, 7-27.	1.6	7
116	A method for the continuous determination of the partial pressure of carbon dioxide in the upper ocean. Marine Chemistry, 1985, 17, 13-21.	2.3	21
117	Sedimentation, resuspension and chemistry of particles in the northwest Atlantic. Marine Geology, 1985, 65, 199-242.	2.1	95
118	Principles of constrained inversion in the calibration of carbon cycle models. Tellus, Series B: Chemical and Physical Meteorology, 1985, 37, 7-27.	1.6	7
119	Water column and sediment characteristics of Lake Fryxell, Taylor Valley, Antarctica. New Zealand Journal of Geology, and Geophysics, 1985, 28, 543-552.	1.8	62
120	CaCO3 solubility in marine sediments: Evidence for equilibrium and non-equilibrium behavior. Geochimica Et Cosmochimica Acta, 1985, 49, 877-888.	3.9	43
121	Stable carbon isotopes in marine porewaters. Earth and Planetary Science Letters, 1985, 74, 13-26.	4.4	167
122	Secular Variation in Abiotic Marine Carbonates: Constraints on Phanerozoic Atmospheric Carbon Dioxide Contents and Oceanic Mg/Ca Ratios. Journal of Geology, 1986, 94, 321-333.	1.4	109
123	Variation of carbon dioxide partial pressure in the western North Pacific surface water during the 1982/83 El Niño event. Tellus, Series B: Chemical and Physical Meteorology, 1987, 39, 214-227.	1.6	17
124	Variation of carbon dioxide partial pressure in the western North Pacific surface water during the 1982/83 El Niño event. Tellus, Series B: Chemical and Physical Meteorology, 1987, 39B, 214-227.	1.6	29
125	Climatic change and CaCO <sub>3</sub> preservation: An 800,000 year bathymetric Reconstruction from the central equatorial Pacific Ocean. Paleoceanography, 1989, 4, 447-466.	3.0	344
126	Carbonate deposition and Ross Sea ice advance, Fryxell basin, Taylor Valley, Antarctica. New Zealand Journal of Geology, and Geophysics, 1989, 32, 267-278.	1.8	36
127	Periplatform carbonate flux in the northern Bahamas. Deep-sea Research Part A, Oceanographic Research Papers, 1989, 36, 1391-1406.	1.5	29
128	Rates of calcium carbonate dissolution and organic carbon decomposition in the North Pacific ocean. Journal of the Oceanographical Society of Japan, 1990, 46, 201-210.	0.3	30

#	Article	IF	CITATIONS
130	Otoliths of deep water fishes: structure, chemistry and chemically-coded life histories. Comparative Biochemistry and Physiology A, Comparative Physiology, 1991, 100, 1-31.	0.6	40
131	Marine biota effects on the compositional structure of the world oceans. Journal of Geophysical Research, 1991, 96, 4957-4969.	3.3	12

Metamorphism of deepâ  $\in$  seated rocks from the Garrett Ultrafast Transform (East Pacific Rise near) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 58

133	Glacial pCO <sub>2</sub> Reduction by the World Ocean: Experiments With the Hamburg Carbon Cycle Model. Paleoceanography, 1991, 6, 395-430.	3.0	138
134	Evidence from fluid seeps atop serpentine seamounts in the Mariana forearc: Clues for emplacement of the seamounts and their relationship to forearc tectonics. Marine Geology, 1991, 102, 293-309.	2.1	69
135	9 The Oceans. International Geophysics, 1992, 50, 175-211.	0.6	15
136	Dissolution behaviour of bryozoan sediments: taphonomic implications for nontropical shelf carbonates. Palaeogeography, Palaeoclimatology, Palaeoecology, 1992, 93, 213-226.	2.3	27
137	The buffer capability of the ocean to increasing atmospheric CO2. Advances in Atmospheric Sciences, 1992, 9, 501-510.	4.3	3
138	Carbonate chemistry of the wintertime Bering Sea marginal ice zone. Continental Shelf Research, 1993, 13, 67-87.	1.8	37
139	New Constraints on Precambrian Ocean Composition. Journal of Geology, 1993, 101, 235-243.	1.4	369
140	Anomalous Carbonate Precipitates: Is the Precambrian the Key to the Permian?. Palaios, 1995, 10, 578.	1.3	380
141	Oxygen isotope study of mid-ocean ridge hydrothermal fluids: Implication for the oxygen-18 budget of the oceans. Geochimica Et Cosmochimica Acta, 1997, 61, 2669-2677.	3.9	38
142	Changes in Surface Morphology of Calcite Exposed to the Oceanic Water Column. Aquatic Geochemistry, 1997, 3, 1-20.	1.3	31
143	Pliocene calcium carbonate sedimentation patterns of the Ontong Java Plateau: ODP Sites 804 and 806. Marine Geology, 1998, 150, 51-71.	2.1	8
144	Cyanobacterial tufa calcification in two freshwater streams: ambient environment, chemical thresholds and biological processes. Sedimentary Geology, 1999, 126, 103-124.	2.1	220
145	The carbon dioxide system in the northwestern Indian Ocean during south–west monsoon. Marine Chemistry, 1999, 64, 315-336.	2.3	19
146	STROMATOLITES IN PRECAMBRIAN CARBONATES: Evolutionary Mileposts or Environmental Dipsticks?. Annual Review of Earth and Planetary Sciences, 1999, 27, 313-358.	11.0	726
147	The Oceans. International Geophysics, 2000, 72, 230-278.	0.6	2

#	Article	IF	Citations
148	What caused the glacial/interglacial atmosphericpCO2cycles?. Reviews of Geophysics, 2000, 38, 159-189.	23.0	404
149	Progress made in study of ocean's calcium carbonate budget. Eos, 2002, 83, 365-375.	0.1	87
150	In situ calcium carbonate dissolution in the Pacific Ocean. Global Biogeochemical Cycles, 2002, 16, 91-1-91-12.	4.9	179
151	A new estimate of the CaCO3to organic carbon export ratio. Global Biogeochemical Cycles, 2002, 16, 54-1-54-12.	4.9	175
152	Silicic acid leakage from the Southern Ocean: A possible explanation for glacial atmosphericpCO2. Global Biogeochemical Cycles, 2002, 16, 5-1-5-23.	4.9	239
153	Upper ocean carbon fluxes in the Atlantic Ocean: The importance of the POC:PIC ratio. Global Biogeochemical Cycles, 2002, 16, 4-1-4-17.	4.9	78
154	Formation and Diagenesis of Carbonate Sediments. , 2003, , 67-85.		32
155	Past changes in biologically mediated dissolution of calcite above the chemical lysocline recorded in Indian Ocean sediments. Quaternary Science Reviews, 2003, 22, 1757-1770.	3.0	47
156	Introduction to Volume 7. , 2003, , xv-xxiii.		0
157	Biological Fluxes in the Ocean and Atmospheric pCO2. , 2003, , 275-291.		4
158	Oxygen Utilization and Organic Carbon Remineralization in the Upper Water Column of the Pacific Ocean. Journal of Oceanography, 2004, 60, 45-52.	1.7	82
159	Geology of Anewetak Atoll, Republic of the Marshall Islands. Developments in Sedimentology, 2004, 54, 637-666.	0.5	5
160	Roles of Biogeochemical Processes in the Oceanic Carbon Cycle Described with a Simple Coupled Physical-Biogeochemical Model. Journal of Oceanography, 2005, 61, 803-815.	1.7	6
161	Organic matter stoichiometry based on oxygen consumption—nutrients regeneration during a stagnation period in Jabuka Pit (middle Adriatic Sea). Continental Shelf Research, 2005, 25, 127-142.	1.8	16
162	Carbonate chemistry and projected future changes in pH and CaCO3 saturation state of the South China Sea. Marine Chemistry, 2006, 101, 277-305.	2.3	78
163	Diagnosing the contribution of phytoplankton functional groups to the production and export of particulate organic carbon, CaCO3, and opal from global nutrient and alkalinity distributions. Global Biogeochemical Cycles, 2006, 20, n/a-n/a.	4.9	199
164	Calcium Carbonate Formation and Dissolution. Chemical Reviews, 2007, 107, 342-381.	47.7	862
165	Effect of temperature-dependent organic carbon decay on atmospheric pCO2. Journal of Geophysical Research, 2007, 112, .	3.3	27

#	Article	IF	CITATIONS
166	Impact of sinking carbon flux on accumulation of deep-ocean carbon in the Northern Indian Ocean. Biogeochemistry, 2007, 82, 89-100.	3.5	9
167	Paleoclimatology and paleoâ€oceanography of the Norwegian and Greenland seas: glacialâ€interglacial contrasts. Boreas, 1980, 9, 115-137.	2.4	186
168	Oxygenation of the ocean and sediments: Consequences for the seafloor carbonate factory. Earth and Planetary Science Letters, 2009, 284, 25-33.	4.4	153
169	CO2 distribution in groundwater and the impact of groundwater extraction on the global C cycle. Chemical Geology, 2009, 264, 328-336.	3.3	95
170	Authigenesis of Carbonate Minerals in Modern and Devonian Oceanâ€Floor Hard Rocks. Journal of Geology, 2009, 117, 307-323.	1.4	24
171	Attachment of oysters to natural substrata by biologically induced marine carbonate cement. Marine Biology, 2010, 157, 2087-2095.	1.5	21
172	CARBONATES IN SKELETON-POOR SEAS: NEW INSIGHTS FROM CAMBRIAN AND ORDOVICIAN STRATA OF LAURENTIA. Palaios, 2010, 25, 73-84.	1.3	107
173	Global contribution of echinoderms to the marine carbon cycle: CaCO <sub>3</sub> budget and benthic compartments. Ecological Monographs, 2010, 80, 441-467.	5.4	92
174	Clobal calcite cycling constrained by sediment preservation controls. Global Biogeochemical Cycles, 2012, 26, .	4.9	57
175	Atmospheric CO2 concentrations and δ13C values during 2011–2012 voyage: Mediterranean, Atlantic Ocean, southern Indian Ocean and New Zealand to Antarctica. Atmospheric Environment, 2013, 77, 919-926.	4.1	7
177	Geological Perspectives on Carbon Dioxide and the Carbon Cycle. Geophysical Monograph Series, 0, , 55-59.	0.1	67
178	Glacial to Interglacial Changes in Atmospheric Carbon Dioxide: The Critical Role of Ocean Surface Water in High Latitudes. Geophysical Monograph Series, 0, , 163-184.	0.1	62
179	Petrology and Geochemistry of Neocene Sedimentary Rocks from Mariana Forearc Seamounts: Implications for Emplacement of the Seamounts. Geophysical Monograph Series, 0, , 175-185.	0.1	14
180	Late Holocene Carbonate Dissolution in the Equatorial Pacific: Reef Growth or Neoglaciation?. Geophysical Monograph Series, 0, , 208-219.	0.1	15
181	Biological Fluxes in the Ocean and Atmospheric pCO2. , 2014, , 281-292.		1
182	Volume Editor's Introduction. , 2014, , xxiii-xxxii.		0
183	Formation and Diagenesis of Carbonate Sediments. , 2014, , 61-101.		16
184	Climatological distribution of aragonite saturation state in the global oceans. Global Biogeochemical Cycles, 2015, 29, 1656-1673.	4.9	138

ARTICLE IF CITATIONS # Deep Atlantic Carbonate Ion and CaCO<sub>3</sub> Compensation During the Ice Ages. 185 2.9 19 Paleoceanography and Paleoclimatology, 2018, 33, 546-562. Calcareous Deposits and Effects on Steels Surfaces in Seawater – A Review and Experimental Study. 0.3 Oriental Journal of Chemistry, 2018, 34, 2332-2341. Influence of surface ocean density on planktonic foraminifera calcification. Scientific Reports, 2019, 187 3.3 29 9, 533. The Oceans., 2020, , 361-429. 188 Rapid deep ocean deoxygenation and acidification threaten life on Northeast Pacific seamounts. 189 9.5 17 Global Change Biology, 2020, 26, 6424-6444. Ocean Alkalinity, Buffering and Biogeochemical Processes. Reviews of Geophysics, 2020, 58, 23.0 124 e2019RG000681. Dissolution of ooids in seawaterâ€derived fluids – an example from Lower Permian reâ€sedimented 191 3.1 7 carbonates, West Texas, USA. Sedimentology, 2021, 68, 2671-2706. A Redoxâ€Based Model for Carbonate Platform Drowning and Ocean Anoxic Events. Geophysical 4.0 Research Letters, 2021, 48, e2021GL093048. Southern Ocean Phytoplankton Community Structure as a Gatekeeper for Global Nutrient 193 4.9 10 Biogeochemistry. Global Biogeochemical Cýcles, 2021, 35, e2021Gb006991. 194 Sediment Composition and Sedimentary Processes in the Arctic Ocean., 1989,, 657-720. 49 Sedimentation and Sedimentary Processes in the Indian Ocean., 1982, , 1-50. 195 13 Geologic Analogs: Their Value and Limitations in Carbon Dioxide Research., 1986, , 371-402. 39 Sedimentation and Dissolution of Pteropods in the Ocean., 1977, , 243-260. 197 36 Fossil Fuel Problem and Carbon Dioxide: an Overview., 1977, , 7-31. 198 Modelling the Influence of Bioturbation and Other Processes on Calcium Carbonate Dissolution at 199 33 the Sea Floor. , 1977, , 375-399. The Carbon Cycle. Handbook of Environmental Chemistry, 1982, , 83-110. 201 Modelling the Global Carbon Cycle. Handbook of Environmental Chemistry, 1985, , 29-81. 0.4 1 The components of marine sediments., 1990, , 529-593.

#	Article		IF	CITATIONS
203	The Geochemical Ocean Sections Study — GEOSECS. , 1983, , 89-155.			6
204	The relationship between lysocline depth and in situ carbonate ion concentration. Deep 1978, 25, 65-95.	-sea Research,	0.5	189
206	Pore Waters from Serpentinite Seamounts in the Mariana and Izu-Bonin Forearcs, Leg 1 Volatiles from the Subducting Slab. , 0, , .	25: Evidence for		25
207	Applications of Solubility Calculations. , 1975, , 187-205.			Ο
208	Rezente Karbonatsedimentation. , 1978, , 25-50.			0
209	Recent Carbonate Sedimentation. , 1982, , 27-61.			0
210	Ocean Volume Change and the History of Sea Water. , 1987, , 33-56.			0
212	The First Draft Genome of a Cold-Water Coral <i>Trachythela</i> sp. (Alcyonacea: Stolo	nifera:) Tj ETQq1 1 0.7843	14.rgBT /( 2.5	Oyerlock 10
214	PyCO2SYS v1.8: marine carbonate system calculations in Python. Geoscientific Model D 2022, 15, 15-43.	Development,	3.6	35
216	Exceptionally high foraminiferal dissolution in the western Bay of Bengal. Anthropocene 100351.	e, 2022, 40,	3.3	2
217	Deep marine diagenesis, offshore Hawaii and Enewetak, with implications for older carb Depositional Record, 2023, 9, 526-572.	onates.	1.7	2
218	Elevated anthropogenic CO2 invasion and stimulated carbonate dissolution in the Sout Basin. Marine Chemistry, 2023, 249, 104212.	h China Sea	2.3	0
219	Quantitative and mechanistic understanding of the open ocean carbonate pump - persp remote sensing and autonomous in situ observation. Earth-Science Reviews, 2023, 239	pectives for , 104359.	9.1	6
220	Marine methods for carbon dioxide removal: fundamentals and myth-busting for the wide community. Oxford Open Climate Change, 0, , .	der	1.3	0