Ulf Riebesell

List of Publications by Year
in descending order

204 papers	17,927 citations	11651 70 h-index	17592 121 g-index
268 all docs	268 docs citations	268 times ranked	9377 citing authors

#	Article	IF	Citations
1	Ocean acidification induces distinct metabolic responses in subtropical zooplankton under oligotrophic conditions and after simulated upwelling. Science of the Total Environment, 2022, 810, 152252.	8.0	2
2	Artificial Upwelling in Singular and Recurring Mode: Consequences for Net Community Production and Metabolic Balance. Frontiers in Marine Science, 2022, 8, .	2.5	13
3	Temporal dynamics of surface ocean carbonate chemistry in response to natural and simulated upwelling events during the 2017 coastal El NiÃ±o near Callao, Peru. Biogeosciences, 2022, 19, 295-312.	3.3	2
4	Differences in adaptation to light and temperature extremes of Chlorella sorokiniana strains isolated from a wastewater lagoon. Bioresource Technology, 2022, 350, 126931.	9.6	8
5	Enhanced silica export in a future ocean triggers global diatom decline. Nature, 2022, 605, 696-700.	27.8	31
6	Ocean Acidification Alters the Predator â€" Prey Relationship Between Hydrozoa and Fish Larvae. Frontiers in Marine Science, 2022, 9, .	2.5	0
7	Changing carbon-to-nitrogen ratios of organic-matter export under ocean acidification. Nature Climate Change, 2021, 11, 52-57.	18.8	17
8	Exploring biogeochemical and ecological redundancy in phytoplankton communities in the global ocean. Global Change Biology, 2021, 27, 1196-1213.	9.5	30
9	Extreme Levels of Ocean Acidification Restructure the Plankton Community and Biogeochemistry of a Temperate Coastal Ecosystem: A Mesocosm Study. Frontiers in Marine Science, 2021, 7, .	2.5	17
10	Impact of increasing carbon dioxide on dinitrogen and carbon fixation rates under oligotrophic conditions and simulated upwelling. Limnology and Oceanography, 2021, 66, 2855-2867.	3.1	4
11	Influence of the Calcium Carbonate Shell of Coccolithophores on Ingestion and Growth of a Dinoflagellate Predator. Frontiers in Marine Science, 2021, 8, .	2.5	5
12	Nitrogen loss processes in response to upwelling in a Peruvian coastal setting dominated by denitrification â€" a mesocosm approach. Biogeosciences, 2021, 18, 4305-4320.	3.3	3
13	Effect of Intensity and Mode of Artificial Upwelling on Particle Flux and Carbon Export. Frontiers in Marine Science, 2021, 8, .	2.5	14
14	Ocean acidification increases domoic acid contents during a spring to summer succession of coastal phytoplankton. Harmful Algae, 2020, 92, 101697.	4.8	10
15	The Calcium Carbonate Shell of Emiliania huxleyi Provides Limited Protection Against Viral Infection. Frontiers in Marine Science, 2020, 7, .	2.5	7
16	Oxidative stress and antioxidant defence responses in two marine copepods in a high CO2 experiment. Science of the Total Environment, 2020, 745, 140600.	8.0	4
17	Metabolic Responses of Subtropical Microplankton After a Simulated Deep-Water Upwelling Event Suggest a Possible Dominance of Mixotrophy Under Increasing CO2 Levels. Frontiers in Marine Science, 2020, 7, .	2.5	1
18	The Possession of Coccoliths Fails to Deter Microzooplankton Grazers. Frontiers in Marine Science, 2020, 7, .	2.5	8

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19	Factors controlling plankton community production, export flux, and particulate matter stoichiometry in the coastal upwelling system off Peru. Biogeosciences, 2020, 17, 4831-4852.	3.3	21
20	Can morphological features of coccolithophores serve as a reliable proxy to reconstruct environmental conditions of the past?. Climate of the Past, 2020, 16, 1007-1025.	3.4	13
21	The Influence of Plankton Community Structure on Sinking Velocity and Remineralization Rate of Marine Aggregates. Global Biogeochemical Cycles, 2019, 33, 971-994.	4.9	56
22	Application of Stable Carbon Isotopes in a Subtropical North Atlantic MesocosmStudy: A New Approach to Assess CO2 Effects on the Marine Carbon Cycle. Frontiers in Marine Science, 2019, 6, .	2.5	9
23	Analyzing the Impacts of Elevated-CO2 Levels on the Development of a Subtropical Zooplankton Community During Oligotrophic Conditions and Simulated Upwelling. Frontiers in Marine Science, 2019, 6, .	2.5	9
24	Effects of Elevated CO2 on a Natural Diatom Community in the Subtropical NE Atlantic. Frontiers in Marine Science, 2019, 6, .	2.5	21
25	In situ growth and bioerosion rates of<i>Lophelia pertusa</i>in a Norwegian fjord and open shelf cold-water coral habitat. PeerJ, 2019, 7, e7586.	2.0	26
26	Experimental strategies to assess the biological ramifications of multiple drivers of global ocean changeâ€”A review. Global Change Biology, 2018, 24, 2239-2261.	9.5	285
27	Plankton responses to ocean acidification: The role of nutrient limitation. Progress in Oceanography, 2018, 165, 11-18.	3.2	23
28	Rapid evolution of highly variable competitive abilities in a key phytoplankton species. Nature Ecology and Evolution, 2018, 2, 611-613.	7.8	26
29	In situ camera observations reveal major role of zooplankton in modulating marine snow formation during an upwelling-induced plankton bloom. Progress in Oceanography, 2018, 164, 75-88.	3.2	27
30	Food web changes under ocean acidification promote herring larvae survival. Nature Ecology and Evolution, 2018, 2, 836-840.	7.8	37
31	Processes That Contribute to Decreased Dimethyl Sulfide Production in Response to Ocean Acidification in Subtropical Waters. Frontiers in Marine Science, 2018, 5, .	2.5	13
32	Response of Pelagic Calcifiers (Foraminifera, Thecosomata) to Ocean Acidification During Oligotrophic and Simulated Up-Welling Conditions in the Subtropical North Atlantic Off Gran Canaria. Frontiers in Marine Science, 2018, 5, .	2.5	9
33	Concentrations and Uptake of Dissolved Organic Phosphorus Compounds in the Baltic Sea. Frontiers in Marine Science, 2018, 5, .	2.5	24
34	Population-specific responses in physiological rates of <i>Emiliania huxleyi</i> to a broad CO₂ range. Biogeosciences, 2018, 15, 3691-3701.	3.3	12
35	Toxic algal bloom induced by ocean acidification disrupts the pelagic food web. Nature Climate Change, 2018, 8, 1082-1086.	18.8	75
36	Response of Subtropical Phytoplankton Communities to Ocean Acidification Under Oligotrophic Conditions and During Nutrient Fertilization. Frontiers in Marine Science, 2018, 5, .	2.5	22

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37	Plankton Community Respiration and ETS Activity Under Variable CO2 and Nutrient Fertilization During a Mesocosm Study in the Subtropical North Atlantic. Frontiers in Marine Science, 2018, 5, .	2.5	15
38	Shift towards larger diatoms in a natural phytoplankton assemblage under combined high-CO2 and warming conditions. Journal of Plankton Research, 2018, 40, 391-406.	1.8	24
39	Photochemical vs. Bacterial Control of H2O2 Concentration Across a pCO2 Gradient Mesocosm Experiment in the Subtropical North Atlantic. Frontiers in Marine Science, 2018, 5, .	2.5	3
40	Ocean Acidification-Induced Restructuring of the Plankton Food Web Can Influence the Degradation of Sinking Particles. Frontiers in Marine Science, 2018, 5, .	2.5	15
41	High CO2 Under Nutrient Fertilization Increases Primary Production and Biomass in Subtropical Phytoplankton Communities: A Mesocosm Approach. Frontiers in Marine Science, 2018, 5, .	2.5	17
42	Enhanced transfer of organic matter to higher trophic levels caused by ocean acidification and its implications for export production: A mass balance approach. PLoS ONE, 2018, 13, e0197502.	2.5	4
43	Growth performance and survival of larval Atlantic herring, under the combined effects of elevated temperatures and CO2. PLoS ONE, 2018, 13, e0191947.	2.5	33
44	Metabolic response of Arctic pteropods to ocean acidification and warming during the polar night/twilight phase in Kongsfjord (Spitsbergen). Polar Biology, 2017, 40, 1211-1227.	1.2	21
45	Quantifying the time lag between organic matter production and export in the surface ocean: Implications for estimates of export efficiency. Geophysical Research Letters, 2017, 44, 268-276.	4.0	36
46	Competitive fitness of a predominant pelagic calcifier impaired by ocean acidification. Nature Geoscience, 2017, 10, 19-23.	12.9	78
47	Ocean acidification causes no detectable effect on swimming activity and body size in a common copepod. Hydrobiologia, 2017, 802, 235-243.	2.0	4
48	Niche construction by nonâ€diazotrophs for N₂ fixers in the eastern tropical North Atlantic Ocean. Geophysical Research Letters, 2017, 44, 6904-6913.	4.0	16
49	Mechanisms of P* Reduction in the Eastern Tropical South Pacific. Frontiers in Marine Science, 2017, 4, .	2.5	11
50	Phytoplankton Blooms at Increasing Levels of Atmospheric Carbon Dioxide: Experimental Evidence for Negative Effects on Prymnesiophytes and Positive on Small Picoeukaryotes. Frontiers in Marine Science, 2017, 4, .	2.5	68
51	Influence of Ocean Acidification and Deep Water Upwelling on Oligotrophic Plankton Communities in the Subtropical North Atlantic: Insights from an In situ Mesocosm Study. Frontiers in Marine Science, 2017, 4, .	2.5	49
52	Interactive Effects of Ocean Acidification and Warming on Growth, Fitness and Survival of the Cold-Water Coral Lophelia pertusa under Different Food Availabilities. Frontiers in Marine Science, 2017, 4, .	2.5	78
53	Ocean Acidification Experiments in Large-Scale Mesocosms Reveal Similar Dynamics of Dissolved Organic Matter Production and Biotransformation. Frontiers in Marine Science, 2017, 4, .	2.5	15
54	Ciliate and mesozooplankton community response to increasing CO₂ levels in the Baltic Sea: insights from a large-scale mesocosm experiment. Biogeosciences, 2017, 14, 447-466.	3.3	14

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55	Influence of ocean acidification on plankton community structure during a winter-to-summer succession: An imaging approach indicates that copepods can benefit from elevated CO2 via indirect food web effects. PLoS ONE, 2017, 12, e0169737.	2.5	30
56	Ocean acidification effects on mesozooplankton community development: Results from a long-term mesocosm experiment. PLoS ONE, 2017, 12, e0175851.	2.5	22
57	Alterations in microbial community composition with increasing <i>f</i>CO₂: a mesocosm study in the eastern Baltic Sea. Biogeosciences, 2017, 14, 3831-3849.	3.3	17
58	Impact of trace metal concentrations on coccolithophore growth and morphology: laboratory simulations of Cretaceous stress. Biogeosciences, 2017, 14, 3603-3613.	3.3	20
59	Ocean acidification impacts bacteriaâ€“phytoplankton coupling at low-nutrient conditions. Biogeosciences, 2017, 14, 1-15.	3.3	35
60	Exploring the distance between nitrogen and phosphorus limitation in mesotrophic surface waters using a sensitive bioassay. Biogeosciences, 2017, 14, 379-387.	3.3	5
61	Effects of ocean acidification on primary production in a coastal North Sea phytoplankton community. PLoS ONE, 2017, 12, e0172594.	2.5	27
62	Community barcoding reveals little effect of ocean acidification on the composition of coastal plankton communities: Evidence from a long-term mesocosm study in the Gullmar Fjord, Skagerrak. PLoS ONE, 2017, 12, e0175808.	2.5	10
63	Simulated ocean acidification reveals winners and losers in coastal phytoplankton. PLoS ONE, 2017, 12, e0188198.	2.5	49
64	High levels of solar radiation offset impacts of ocean acidification on calcifying and non-calcifying strains of Emiliania huxleyi. Marine Ecology - Progress Series, 2017, 568, 47-58.	1.9	33
65	Ocean acidification decreases plankton respiration: evidence from a mesocosm experiment. Biogeosciences, 2016, 13, 4707-4719.	3.3	17
66	Effect of ocean acidification on the structure and fatty acid composition of a natural plankton community in the Baltic Sea. Biogeosciences, 2016, 13, 6625-6635.	3.3	30
67	Changing nutrient stoichiometry affects phytoplankton production, DOP accumulation and dinitrogen fixation â€“ a mesocosm experiment in the eastern tropical North Atlantic. Biogeosciences, 2016, 13, 781-794.	3.3	23
68	Ocean acidification challenges copepod phenotypic plasticity. Biogeosciences, 2016, 13, 6171-6182.	3.3	24
69	Effect of ocean acidification and elevated <i>f</i>CO₂ on trace gas production by a Baltic Sea summer phytoplankton community. Biogeosciences, 2016, 13, 4595-4613.	3.3	20
70	Technical note: Sampling and processing of mesocosm sediment trap material for quantitative biogeochemical analysis. Biogeosciences, 2016, 13, 2849-2858.	3.3	38
71	Effects of ocean acidification on pelagic carbon fluxes in a mesocosm experiment. Biogeosciences, 2016, 13, 6081-6093.	3.3	18
72	Effects of CO₂ perturbation on phosphorus pool sizes and uptake in a mesocosm experiment during a low productive summer season in the northern Baltic Sea. Biogeosciences, 2016, 13, 3035-3050.	3.3	13

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73	Negligible effects of ocean acidification on <i>Eurytemora affinis</i> (Copepoda) offspring production. Biogeosciences, 2016, 13, 1037-1048.	3.3	13
74	The role of coccoliths in protecting <i>Emiliania huxleyi</i> against stressful light and UV radiation. Biogeosciences, 2016, 13, 4637-4643.	3.3	27
75	No observed effect of ocean acidification on nitrogen biogeochemistry in a summer Baltic Sea plankton community. Biogeosciences, 2016, 13, 3901-3913.	3.3	25
76	Low CO2 Sensitivity of Microzooplankton Communities in the Gullmar Fjord, Skagerrak: Evidence from a Long-Term Mesocosm Study. PLoS ONE, 2016, 11, e0165800.	2.5	20
77	Water column biogeochemistry of oxygen minimum zones in the eastern tropical North Atlantic and eastern tropical South Pacific oceans. Biogeosciences, 2016, 13, 3585-3606.	3.3	27
78	Ocean acidification reduces transfer of essential biomolecules in a natural plankton community. Scientific Reports, 2016, 6, 27749.	3.3	29
79	Long-term dynamics of adaptive evolution in a globally important phytoplankton species to ocean acidification. Science Advances, 2016, 2, e1501660.	10.3	56
80	Why marine phytoplankton calcify. Science Advances, 2016, 2, e1501822.	10.3	181
81	Influence of plankton community structure on the sinking velocity of marine aggregates. Global Biogeochemical Cycles, 2016, 30, 1145-1165.	4.9	69
82	Ocean acidification has different effects on the production of dimethylsulfide and dimethylsulfoniopropionate measured in cultures of Emiliania huxleyi and a mesocosm study: a comparison of laboratory monocultures and community interactions. Environmental Chemistry, 2016, 13, 314.	1.5	29
83	Ocean acidification does not alter grazing in the calanoid copepods Calanus finmarchicus and Calanus glacialis. ICES Journal of Marine Science, 2016, 73, 927-936.	2.5	19
84	Influence of Ocean Acidification on a Natural Winter-to-Summer Plankton Succession: First Insights from a Long-Term Mesocosm Study Draw Attention to Periods of Low Nutrient Concentrations. PLoS ONE, 2016, 11, e0159068.	2.5	64
85	Dissolved N:P ratio changes in the eastern tropical North Atlantic: effect on phytoplankton growth and community structure. Marine Ecology - Progress Series, 2016, 545, 49-62.	1.9	6
86	Understanding Ocean Acidification Impacts on Organismal to Ecological Scales. Oceanography, 2015, 25, 16-27.	1.0	61
87	C : N : P stoichiometry at the Bermuda Atlantic Time-series Study station in the North Atlantic Ocean. Biogeosciences, 2015, 12, 6389-6403.	3.3	37
88	Long-Term Conditioning to Elevated pCO2 and Warming Influences the Fatty and Amino Acid Composition of the Diatom Cylindrotheca fusiformis. PLoS ONE, 2015, 10, e0123945.	2.5	57
89	Phytoplankton calcification as an effective mechanism to alleviate cellular calcium poisoning. Biogeosciences, 2015, 12, 6493-6501.	3.3	27
90	Effect of elevated CO₂ on organic matter pools and fluxes in a summer Baltic Sea plankton community. Biogeosciences, 2015, 12, 6181-6203.	3.3	79

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91	Combined effects of CO₂ and temperature on carbon uptake and partitioning by the marine diatoms <i><scp>T</scp>halassiosira weissflogii</i> and <i><scp>D</scp>actyliosolen fragilissimus</i>. Limnology and Oceanography, 2015, 60, 901-919.	3.1	68
92	Reviews and Syntheses: Responses of coccolithophores to ocean acidification: a meta-analysis. Biogeosciences, 2015, 12, 1671-1682.	3.3	141
93	Effects of ocean acidification on marine dissolved organic matter are not detectable over the succession of phytoplankton blooms. Science Advances, 2015, 1, e1500531.	10.3	45
94	A unifying concept of coccolithophore sensitivity to changing carbonate chemistry embedded in an ecological framework. Progress in Oceanography, 2015, 135, 125-138.	3.2	112
95	Experimental evolution gone wild. Journal of the Royal Society Interface, 2015, 12, 20150056.	3.4	58
96	Ocean acidification increases the accumulation of toxic phenolic compounds across trophic levels. Nature Communications, 2015, 6, 8714.	12.8	91
97	The modulating effect of light intensity on the response of the coccolithophore <scp><i>G</i></scp><i>ephyrocapsa oceanica</i> to ocean acidification. Limnology and Oceanography, 2015, 60, 2145-2157.	3.1	34
98	Lessons learned from ocean acidification research. Nature Climate Change, 2015, 5, 12-14.	18.8	269
99	Organic matter partitioning and stoichiometry in response to rising water temperature and copepod grazing. Marine Ecology - Progress Series, 2015, 522, 49-65.	1.9	6
100	Stimulated Bacterial Growth under Elevated pCO2: Results from an Off-Shore Mesocosm Study. PLoS ONE, 2014, 9, e99228.	2.5	64
101	Influence of temperature and CO₂ on the strontium and magnesium composition of coccolithophore calcite. Biogeosciences, 2014, 11, 1065-1075.	3.3	33
102	Genotyping an <i>Emiliania huxleyi</i> (prymnesiophyceae) bloom event in the North Sea reveals evidence of asexual reproduction. Biogeosciences, 2014, 11, 5215-5234.	3.3	35
103	Changes in organic matter cycling in a plankton community exposed to warming under different light intensities. Journal of Plankton Research, 2014, 36, 658-671.	1.8	14
104	Impact of CO2 enrichment on organic matter dynamics during nutrient induced coastal phytoplankton blooms. Journal of Plankton Research, 2014, 36, 641-657.	1.8	83
105	Gene expression changes in the coccolithophore<i>Emiliania huxleyi</i>after 500 generations of selection to ocean acidification. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140003.	2.6	62
106	Adaptation of a globally important coccolithophore to ocean warming andÂacidification. Nature Climate Change, 2014, 4, 1024-1030.	18.8	209
107	The viscosity effect on marine particle flux: A climate relevant feedback mechanism. Global Biogeochemical Cycles, 2014, 28, 415-422.	4.9	29
108	Betweenâ€•and withinâ€population variations in thermal reaction norms of the coccolithophore <i>Emiliania huxleyi</i>. Limnology and Oceanography, 2014, 59, 1570-1580.	3.1	35

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109	Temperature Modulates Coccolithophorid Sensitivity of Growth, Photosynthesis and Calcification to Increasing Seawater pCO2. PLoS ONE, 2014, 9, e88308.	2.5	128
110	Diurnal changes in seawater carbonate chemistry speciation at increasing atmospheric carbon dioxide. Marine Biology, 2013, 160, 1889-1899.	1.5	66
111	Dissecting the impact of CO₂ and <scp>pH</scp> on the mechanisms of photosynthesis and calcification in the coccolithophore <i>Emiliania huxleyi</i>. New Phytologist, 2013, 199, 121-134.	7.3	171
112	FUNCTIONAL GENETIC DIVERGENCE IN HIGH CO₂ADAPTED<i>EMILIANIA HUXLEYI</i>POPULATIONS. Evolution; International Journal of Organic Evolution, 2013, 67, 1892-1900.	2.3	71
113	Effect of increased <i>p</i>CO₂ on the planktonic metabolic balance during a mesocosm experiment in an Arctic fjord. Biogeosciences, 2013, 10, 315-325.	3.3	25
114	A steep learning curve. Nature Geoscience, 2013, 6, 12-13.	12.9	1
115	A ¹³C labelling study on carbon fluxes in Arctic plankton communities under elevated CO₂ levels. Biogeosciences, 2013, 10, 1425-1440.	3.3	36
116	Temporal biomass dynamics of an Arctic plankton bloom in response to increasing levels of atmospheric carbon dioxide. Biogeosciences, 2013, 10, 161-180.	3.3	144
117	CO₂ increases ¹⁴C primary production in an Arctic plankton community. Biogeosciences, 2013, 10, 1291-1308.	3.3	116
118	Implications of elevated CO₂ on pelagic carbon fluxes in an Arctic mesocosm study â€“ an elemental mass balance approach. Biogeosciences, 2013, 10, 3109-3125.	3.3	33
119	Arctic microbial community dynamics influenced by elevated CO₂ levels. Biogeosciences, 2013, 10, 719-731.	3.3	126
120	Effect of elevated CO₂ on the dynamics of particle-attached and free-living bacterioplankton communities in an Arctic fjord. Biogeosciences, 2013, 10, 181-191.	3.3	26
121	High tolerance of microzooplankton to ocean acidification in an Arctic coastal plankton community. Biogeosciences, 2013, 10, 1471-1481.	3.3	54
122	Response of bacterioplankton activity in an Arctic fjord system to elevated <i>p</i>CO₂: results from a mesocosm perturbation study. Biogeosciences, 2013, 10, 297-314.	3.3	80
123	Technical Note: A simple method for airâ€“sea gas exchange measurements in mesocosms and its application in carbon budgeting. Biogeosciences, 2013, 10, 1379-1390.	3.3	24
124	Technical Note: A mobile sea-going mesocosm system â€“ new opportunities for ocean change research. Biogeosciences, 2013, 10, 1835-1847.	3.3	168
125	Effect of ocean acidification on the fatty acid composition of a natural plankton community. Biogeosciences, 2013, 10, 1143-1153.	3.3	50
126	Preface "Arctic ocean acidification: pelagic ecosystem and biogeochemical responses during a mesocosm study". Biogeosciences, 2013, 10, 5619-5626.	3.3	81

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127	Ocean acidification shows negligible impacts on high-latitude bacterial community structure in coastal pelagic mesocosms. Biogeosciences, 2013, 10, 555-566.	3.3	60
128	Pelagic community production and carbon-nutrient stoichiometry under variable ocean acidification in an Arctic fjord. Biogeosciences, 2013, 10, 4847-4859.	3.3	18
129	Technical Note: The determination of enclosed water volume in large flexible-wall mesocosms "KOSMOS". Biogeosciences, 2013, 10, 1937-1941.	3.3	18
130	Rising CO2 and increased light exposure synergistically reduce marine primary productivity. Nature Climate Change, 2012, 2, 519-523.	18.8	307
131	An approach for particle sinking velocity measurements in the 3â€“400ÂÎ¼m size range and considerations on the effect of temperature on sinking rates. Marine Biology, 2012, 159, 1853-1864.	1.5	104
132	Ocean fertilization for geoengineering: A review of effectiveness, environmental impacts and emerging governance. Chemical Engineering Research and Design, 2012, 90, 475-488.	5.6	110
133	Dynamics and stoichiometry of nutrients and phytoplankton in waters influenced by the oxygen minimum zone in the eastern tropical Pacific. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 62, 20-31.	1.4	56
134	Synergistic effects of ocean acidification and warming on overwintering pteropods in the Arctic. Global Change Biology, 2012, 18, 3517-3528.	9.5	97
135	Ocean Acidification-Induced Food Quality Deterioration Constrains Trophic Transfer. PLoS ONE, 2012, 7, e34737.	2.5	228
136	Enhanced carbon overconsumption in response to increasing temperatures during a mesocosm experiment. Biogeosciences, 2012, 9, 3531-3545.	3.3	44
137	Adaptive evolution of a key phytoplankton species to ocean acidification. Nature Geoscience, 2012, 5, 346-351.	12.9	442
138	Influence of changing carbonate chemistry on morphology and weight of coccoliths formed by <i>Emiliania huxleyi</i>. Biogeosciences, 2012, 9, 3449-3463.	3.3	61
139	Production, partitioning and stoichiometry of organic matter under variable nutrient supply during mesocosm experiments in the tropical Pacific and Atlantic Ocean. Biogeosciences, 2012, 9, 4629-4643.	3.3	29
140	Acclimation to ocean acidification during longâ€term <scp><scp>CO₂</scp></scp> exposure in the coldâ€water coral <scp><i>L</i></scp><i>ophelia pertusa</i>. Global Change Biology, 2012, 18, 843-853.	9.5	192
141	Photoacclimation to abrupt changes in light intensity by Phaeodactylum tricornutum and Emiliania huxleyi: the role of calcification. Marine Ecology - Progress Series, 2012, 452, 11-26.	1.9	20
142	Temperature and nutrient stoichiometry interactively modulate organic matter cycling in a pelagic algalâ€“bacterial community. Limnology and Oceanography, 2011, 56, 599-610.	3.1	32
143	Response of the coccolithophores Emiliania huxleyi and Coccolithus braarudii to changing seawater Mg2+ and Ca2+ concentrations: Mg/Ca, Sr/Ca ratios and Î´44/40Ca, Î´26/24Mg of coccolith calcite. Geochimica Et Cosmochimica Acta, 2011, 75, 2088-2102.	3.9	52
144	Impact of ocean acidification and elevated temperatures on early juveniles of the polar shelled pteropod <i>Limacina helicina</i>: mortality, shell degradation, and shell growth. Biogeosciences, 2011, 8, 919-932.	3.3	183

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145	Effects of changes in carbonate chemistry speciation on <i>Coccolithus braarudii</i>: a discussion of coccolithophorid sensitivities. Biogeosciences, 2011, 8, 771-777.	3.3	43
146	Expression of biomineralizationâ€related ion transport genes in <i>Emiliania huxleyi</i>. Environmental Microbiology, 2011, 13, 3250-3265.	3.8	82
147	Cellular pH measurements in <i>Emiliania huxleyi</i> reveal pronounced membrane proton permeability. New Phytologist, 2011, 190, 595-608.	7.3	106
148	Effects of sea surface warming on the production and composition of dissolved organic matter during phytoplankton blooms: results from a mesocosm study. Journal of Plankton Research, 2011, 33, 357-372.	1.8	80
149	Distinguishing between the effects of ocean acidification and ocean carbonation in the coccolithophore <i>Emiliania huxleyi</i>. Limnology and Oceanography, 2011, 56, 2040-2050.	3.1	100
150	Effects of Ocean Acidification on Pelagic Organisms and Ecosystems. , 2011, , .		125
151	Calcification of the Arctic coralline red algae Lithothamnion glaciale in response to elevated CO2. Marine Ecology - Progress Series, 2011, 441, 79-87.	1.9	88
152	Short-term response of the coccolithophore <i>Emiliania huxleyi</i> to an abrupt change in seawater carbon dioxide concentrations. Biogeosciences, 2010, 7, 177-186.	3.3	59
153	CO₂-induced seawater acidification affects physiological performance of the marine diatom <i>Phaeodactylum tricornutum</i>. Biogeosciences, 2010, 7, 2915-2923.	3.3	239
154	Effects of long-term high CO₂ exposure on two species of coccolithophores. Biogeosciences, 2010, 7, 1109-1116.	3.3	78
155	Phytoplankton-bacteria coupling under elevated CO₂ levels: a stable isotope labelling study. Biogeosciences, 2010, 7, 3783-3797.	3.3	34
156	Molecular Mechanisms Underlying Calcification in Coccolithophores. Geomicrobiology Journal, 2010, 27, 585-595.	2.0	110
157	EPOCA/EUR-OCEANS data compilation on the biological and biogeochemical responses to ocean acidification. Earth System Science Data, 2010, 2, 167-175.	9.9	23
158	Primary production during nutrient-induced blooms at elevated CO₂ concentrations. Biogeosciences, 2009, 6, 877-885.	3.3	76
159	Influence of elevated CO₂ concentrations on cell division and nitrogen fixation rates in the bloom-forming cyanobacterium <i>Nodularia spumigena</i>. Biogeosciences, 2009, 6, 1865-1875.	3.3	69
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