

Gerald

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68
papers

2,447
citations

28
h-index

48
g-index

75
ext. papers

2,890
ext. citations

4.6
avg, IF

4.96
L-index

#	Paper	IF	Citations
68	Species-specific responses of calcifying algae to changing seawater carbonate chemistry. <i>Geochemistry, Geophysics, Geosystems</i> , 2006 , 7, n/a-n/a	3.6	305
67	Strain-specific responses of <i>Emiliana huxleyi</i> to changing seawater carbonate chemistry. <i>Biogeosciences</i> , 2009 , 6, 2637-2646	4.6	275
66	The effect of temperature, salinity and growth rate on the stable hydrogen isotopic composition of long chain alkenones produced by <i>Emiliana huxleyi</i> and <i>Gephyrocapsa oceanica</i> . <i>Biogeosciences</i> , 2006 , 3, 113-119	4.6	129
65	A new model for biomineralization and trace-element signatures of Foraminifera tests. <i>Biogeosciences</i> , 2013 , 10, 6759-6767	4.6	92
64	Cellular calcium pathways and isotope fractionation in <i>Emiliana huxleyi</i> . <i>Geology</i> , 2006 , 34, 625	5	84
63	<i>Emiliana huxleyi</i> shows identical responses to elevated pCO ₂ in TA and DIC manipulations. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011 , 406, 54-62	2.1	79
62	Effect of varying calcium concentrations and light intensities on calcification and photosynthesis in <i>Emiliana huxleyi</i> . <i>Limnology and Oceanography</i> , 2007 , 52, 2285-2293	4.8	73
61	Coccolith strontium to calcium ratios in <i>Emiliana huxleyi</i> : The dependence on seawater strontium and calcium concentrations. <i>Limnology and Oceanography</i> , 2006 , 51, 310-320	4.8	70
60	Evidence for methane production by the marine algae <i>Emiliana huxleyi</i> . <i>Biogeosciences</i> , 2016 , 13, 3163-3174	4.6	64
59	Implications of observed inconsistencies in carbonate chemistry measurements for ocean acidification studies. <i>Biogeosciences</i> , 2012 , 9, 2401-2405	4.6	59
58	Physiological controls on seawater uptake and calcification in the benthic foraminifer <i>Ammonia tepida</i> . <i>Biogeosciences</i> , 2009 , 6, 2669-2675	4.6	53
57	Calcium isotope fractionation during coccolith formation in <i>Emiliana huxleyi</i> : Independence of growth and calcification rate. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	53
56	The coordination and distribution of B in foraminiferal calcite. <i>Earth and Planetary Science Letters</i> , 2015 , 416, 67-72	5.3	45
55	Effect of ocean acidification on the benthic foraminifera <i>Ammonia</i> sp. is caused by a decrease in carbonate ion concentration. <i>Biogeosciences</i> , 2013 , 10, 6185-6198	4.6	43
54	Calcium isotope fractionation in coccoliths of cultured <i>Calcidiscus leptoporus</i> , <i>Helicosphaera carteri</i> , <i>Syracosphaera pulchra</i> and <i>Umbilicosphaera foliosa</i> . <i>Earth and Planetary Science Letters</i> , 2007 , 260, 505-515	5.3	42
53	Variability in calcitic Mg/Ca and Sr/Ca ratios in clones of the benthic foraminifer <i>Ammonia tepida</i> . <i>Marine Micropaleontology</i> , 2014 , 107, 32-43	1.7	41
52	The coordination of Mg in foraminiferal calcite. <i>Earth and Planetary Science Letters</i> , 2013 , 383, 134-141	5.3	41

51	Calcification acidifies the microenvironment of a benthic foraminifer (<i>Ammonia</i> sp.). <i>Journal of Experimental Marine Biology and Ecology</i> , 2012 , 424-425, 53-58	2.1	41
50	Incorporation of uranium in benthic foraminiferal calcite reflects seawater carbonate ion concentration. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 102-111	3.6	41
49	A universal carbonate ion effect on stable oxygen isotope ratios in unicellular planktonic calcifying organisms. <i>Biogeosciences</i> , 2012 , 9, 1025-1032	4.6	39
48	B/Ca in coccoliths and relationship to calcification vesicle pH and dissolved inorganic carbon concentrations. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 80, 143-157	5.5	38
47	Effect of different seawater Mg concentrations on calcification in two benthic foraminifers. <i>Marine Micropaleontology</i> , 2014 , 113, 56-64	1.7	36
46	Calcium carbonate precipitation induced by the growth of the marine cyanobacteria <i>Trichodesmium</i> . <i>Limnology and Oceanography</i> , 2010 , 55, 2563-2569	4.8	35
45	Carbon and nitrogen fluxes in the marine coccolithophore <i>Emiliana huxleyi</i> grown under different nitrate concentrations. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010 , 393, 1-8	2.1	34
44	ON THE ROLE OF THE CYTOSKELETON IN COCCOLITH MORPHOGENESIS: THE EFFECT OF CYTOSKELETON INHIBITORS1. <i>Journal of Phycology</i> , 2010 , 46, 1252-1256	3	34
43	Effect of phosphorus limitation on coccolith morphology and element ratios in Mediterranean strains of the coccolithophore <i>Emiliana huxleyi</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2014 , 459, 105-113	2.1	29
42	Calcification of <i>Calcidiscus leptoporus</i> under nitrogen and phosphorus limitation. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012 , 413, 131-137	2.1	28
41	Barium partitioning in coccoliths of <i>Emiliana huxleyi</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 2899-2906	2.1	28
40	Temperature affects the morphology and calcification of <i>Emiliana huxleyi</i> strains. <i>Biogeosciences</i> , 2016 , 13, 2913-2926	4.6	27
39	Methane production by three widespread marine phytoplankton species: release rates, precursor compounds, and potential relevance for the environment. <i>Biogeosciences</i> , 2019 , 16, 4129-4144	4.6	26
38	Growth of the coccolithophore <i>Emiliana huxleyi</i> in light- and nutrient-limited batch reactors: relevance for the BIOSOPE deep ecological niche of coccolithophores. <i>Biogeosciences</i> , 2016 , 13, 5983-6001	4.6	24
37	CO ₂ mediation of adverse effects of seawater acidification in <i>Calcidiscus leptoporus</i> . <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	24
36	Exploring foraminiferal Sr/Ca as a new carbonate system proxy. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 202, 374-386	5.5	23
35	Lithium isotopic composition of benthic foraminifera: A new proxy for paleo-pH reconstruction. <i>Geochimica Et Cosmochimica Acta</i> , 2018 , 236, 336-350	5.5	22
34	Coccolithophores do not increase particulate carbon production under nutrient limitation: A case study using <i>Emiliana huxleyi</i> (PML B92/11). <i>Journal of Experimental Marine Biology and Ecology</i> , 2013 , 443, 155-161	2.1	22

33	The requirement for calcification differs between ecologically important coccolithophore species. <i>New Phytologist</i> , 2018 , 220, 147-162	9.8	21
32	Boron incorporation in the foraminifer <i>Amphistegina lessonii</i> under a decoupled carbonate chemistry. <i>Biogeosciences</i> , 2015 , 12, 1753-1763	4.6	20
31	Limpets counteract ocean acidification induced shell corrosion by thickening of aragonitic shell layers. <i>Biogeosciences</i> , 2014 , 11, 7363-7368	4.6	20
30	Ocean warming modulates the effects of acidification on <i>Emiliana huxleyi</i> calcification and sinking. <i>Limnology and Oceanography</i> , 2016 , 61, 1322-1336	4.8	20
29	Impact of seawater [Ca ²⁺] on the calcification and calciteMg / Ca of <i>Amphistegina lessonii</i> . <i>Biogeosciences</i> , 2015 , 12, 2153-2162	4.6	19
28	Insight into <i>Emiliana huxleyi</i> coccospheres by focused ion beam sectioning. <i>Biogeosciences</i> , 2015 , 12, 825-834	4.6	19
27	Alkenone D as an ecological indicator: A culture and field study of physiologically-controlled chemical and hydrogen-isotopic variation in C37 alkenones. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 162, 166-182	5.5	18
26	The impact of Mg contents on Sr partitioning in benthic foraminifers. <i>Chemical Geology</i> , 2015 , 412, 92-98	4.2	17
25	Coccospheres confer mechanical protection: New evidence for an old hypothesis. <i>Acta Biomaterialia</i> , 2016 , 42, 258-264	10.8	16
24	Trace metal (Mg/Ca and Sr/Ca) analyses of single coccoliths by Secondary Ion Mass Spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 146, 90-106	5.5	16
23	On culture artefacts in coccolith morphology. <i>Helgoland Marine Research</i> , 2013 , 67, 359-369	1.8	16
22	Phosphorus availability modifies carbon production in <i>Coccolithus pelagicus</i> (Haptophyta). <i>Journal of Experimental Marine Biology and Ecology</i> , 2015 , 472, 24-31	2.1	14
21	Ba incorporation in benthic foraminifera. <i>Biogeosciences</i> , 2017 , 14, 3387-3400	4.6	12
20	Substrate supply for calcite precipitation in <i>Emiliana huxleyi</i> : assessment of different model approaches. <i>Journal of Phycology</i> , 2013 , 49, 417-26	3	12
19	Sr partitioning in the benthic foraminifera <i>Ammonia aomoriensis</i> and <i>Amphistegina lessonii</i> . <i>Chemical Geology</i> , 2016 , 440, 306-312	4.2	11
18	The dissolution behavior of biogenic calcites in seawater and a possible role for magnesium and organic carbon. <i>Marine Chemistry</i> , 2018 , 205, 100-112	3.7	11
17	Dissolution of <i>Calcidiscus leptoporus</i> coccoliths in copepod guts? A morphological study. <i>Marine Ecology - Progress Series</i> , 2007 , 331, 139-146	2.6	11
16	Li partitioning in the benthic foraminifera <i>Amphistegina lessonii</i> . <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 4275-4279	3.6	10

15	Role of silicon in the development of complex crystal shapes in coccolithophores. <i>New Phytologist</i> , 2021 , 231, 1845-1857	9.8	10
14	Coccolithophore calcification: Changing paradigms in changing oceans. <i>Acta Biomaterialia</i> , 2021 , 120, 4-11	10.8	7
13	Haplo-diplontic life cycle expands coccolithophore niche. <i>Biogeosciences</i> , 2021 , 18, 1161-1184	4.6	7
12	An Extracellular Polysaccharide-Rich Organic Layer Contributes to Organization of the Cocosphere in Coccolithophores. <i>Frontiers in Marine Science</i> , 2018 , 5,	4.5	7
11	Relationship between mineralogy and minor element partitioning in limpets from an Ischia CO ₂ vent site provides new insights into their biomineralization pathway. <i>Geochimica Et Cosmochimica Acta</i> , 2018 , 236, 218-229	5.5	5
10	Effects of Temperature and Light on Methane Production of Widespread Marine Phytoplankton. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020 , 125, e2020JG005793	3.7	5
9	Phosphorus limitation and heat stress decrease calcification in <i>Emiliana huxleyi</i> . <i>Biogeosciences</i> , 2018 , 15, 833-845	4.6	5
8	Temperature effects on sinking velocity of different <i>Emiliana huxleyi</i> strains. <i>PLoS ONE</i> , 2018 , 13, e0194336	3.7	4
7	Evidence for methane production by marine algae (<i>Emiliana huxleyi</i>) and its implication for the methane paradox in oxic waters		4
6	Sr in coccoliths of <i>Scyphosphaera apsteinii</i> : Partitioning behavior and role in coccolith morphogenesis. <i>Geochimica Et Cosmochimica Acta</i> , 2020 , 285, 41-54	5.5	4
5	Li Partitioning Into Coccoliths of <i>Emiliana huxleyi</i> : Evaluating the General Role of Vital Effects in Explaining Element Partitioning in Biogenic Carbonates. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2020GC009129	3.6	3
4	Comment on <i>In situ</i> multielemental monitoring in coral skeleton by CF-LIBS by S. Pandhija and A.K. Rai (DOI:10.1007/s00340-008-3343-5). <i>Applied Physics B: Lasers and Optics</i> , 2011 , 104, 1043-1043	1.9	1
3	Reduced H channel activity disrupts pH homeostasis and calcification in coccolithophores at low ocean pH.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2118009119	11.5	1
2	Coccolith crystals: Pure calcite or organic-mineral composite structures?. <i>Acta Biomaterialia</i> , 2021 , 125, 83-89	10.8	0
1	Distinct physiological responses of <i>Coccolithus braarudii</i> life cycle phases to light intensity and nutrient availability. <i>European Journal of Phycology</i> , 1-14	2.2	0