

# Andreas J Andersson

## List of Publications by Year in Descending Order

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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.

43  
papers

2,692  
citations

24  
h-index

44  
g-index

44  
ext. papers

3,244  
ext. citations

7.4  
avg, IF

5.08  
L-index

#	Paper	IF	Citations
43	Seasonal changes in seawater calcium and alkalinity in the Sargasso Sea and across the Bermuda carbonate platform. <i>Marine Chemistry</i> , <b>2022</b> , 238, 104064	3.7	1
42	On the Seasonal Dynamics of Phytoplankton Chlorophyll-a Concentration in Nearshore and Offshore Waters of Plymouth, in the English Channel: Enlisting the Help of a Surfer. <i>Oceans</i> , <b>2022</b> , 3, 125-146	1.3	1
41	Temporal and Spatial Variabilities of Chemical and Physical Parameters on the Heron Island Coral Reef Platform. <i>Aquatic Geochemistry</i> , <b>2021</b> , 27, 241	1.7	2
40	Comparison of a Smartfin with an Infrared Sea Surface Temperature Radiometer in the Atlantic Ocean. <i>Remote Sensing</i> , <b>2021</b> , 13, 841	5	4
39	Lateral, Vertical, and Temporal Variability of Seawater Carbonate Chemistry at Hog Reef, Bermuda. <i>Frontiers in Marine Science</i> , <b>2021</b> , 8,	4.5	2
38	Implications of salinity normalization of seawater total alkalinity in coral reef metabolism studies.. <i>PLoS ONE</i> , <b>2021</b> , 16, e0261210	3.7	0
37	Disturbances drive changes in coral community assemblages and coral calcification capacity. <i>Ecosphere</i> , <b>2020</b> , 11, e03066	3.1	10
36	Porewater Carbonate Chemistry Dynamics in a Temperate and a Subtropical Seagrass System. <i>Aquatic Geochemistry</i> , <b>2020</b> , 26, 375-399	1.7	4
35	Diel temperature and pH variability scale with depth across diverse coral reef habitats. <i>Limnology and Oceanography Letters</i> , <b>2020</b> , 5, 193-203	7.9	29
34	Comparison of Two Methods for Measuring Sea Surface Temperature When Surfing. <i>Oceans</i> , <b>2020</b> , 1, 6-26	1.3	7
33	Coral calcification responses to the North Atlantic Oscillation and coral bleaching in Bermuda. <i>PLoS ONE</i> , <b>2020</b> , 15, e0241854	3.7	3
32	The challenges of detecting and attributing ocean acidification impacts on marine ecosystems. <i>ICES Journal of Marine Science</i> , <b>2020</b> , 77, 2411-2422	2.7	16
31	Ecological and socioeconomic strategies to sustain Caribbean coral reefs in a high-CO <sub>2</sub> world. <i>Regional Studies in Marine Science</i> , <b>2019</b> , 29, 100677	1.5	11
30	Autonomous seawater $pCO_2$ and pH time series from 40 surface buoys and the emergence of anthropogenic trends. <i>Earth System Science Data</i> , <b>2019</b> , 11, 421-439	10.5	37
29	Spatiotemporal variability in seawater carbon chemistry for a coral reef flat in Kāneohe Bay, Hawaii. <i>Limnology and Oceanography</i> , <b>2019</b> , 64, 913-934	4.8	13
28	Coral reefs will transition to net dissolving before end of century. <i>Science</i> , <b>2018</b> , 359, 908-911	33.3	146
27	Temporal Changes in Seawater Carbonate Chemistry and Carbon Export from a Southern California Estuary. <i>Estuaries and Coasts</i> , <b>2018</b> , 41, 1050-1068	2.8	3

26	Short-Term Spatial and Temporal Carbonate Chemistry Variability in Two Contrasting Seagrass Meadows: Implications for pH Buffering Capacities. <i>Estuaries and Coasts</i> , <b>2018</b> , 41, 1282-1296	2.8	30
25	Carbonate-sensitive phytoferritin controls high-affinity iron uptake in diatoms. <i>Nature</i> , <b>2018</b> , 555, 534-537	50.4	67
24	Coral Reef Carbonate Chemistry Variability at Different Functional Scales. <i>Frontiers in Marine Science</i> , <b>2018</b> , 5,	4.5	30
23	A framework for identifying and characterising coral reef bases against a backdrop of degradation. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 2865-2875	5.8	40
22	Taking the metabolic pulse of the world's coral reefs. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190872	3.7	66
21	Environmental controls on modern scleractinian coral and reef-scale calcification. <i>Science Advances</i> , <b>2017</b> , 3, e1701356	14.3	30
20	Differential modification of seawater carbonate chemistry by major coral reef benthic communities. <i>Coral Reefs</i> , <b>2016</b> , 35, 1311-1325	4.2	24
19	Comparing Chemistry and Census-Based Estimates of Net Ecosystem Calcification on a Rim Reef in Bermuda. <i>Frontiers in Marine Science</i> , <b>2016</b> , 3,	4.5	28
18	Integrating the Effects of Ocean Acidification across Functional Scales on Tropical Coral Reefs. <i>BioScience</i> , <b>2016</b> , 66, 350-362	5.7	36
17	Shifts in coral reef biogeochemistry and resulting acidification linked to offshore productivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 14512-7	11.5	44
16	Understanding Ocean Acidification Impacts on Organismal to Ecological Scales. <i>Oceanography</i> , <b>2015</b> , 25, 16-27	2.3	42
15	A fundamental paradigm for coral reef carbonate sediment dissolution. <i>Frontiers in Marine Science</i> , <b>2015</b> , 2,	4.5	28
14	Dissolution Rates of Biogenic Carbonates in Natural Seawater at Different pCO <sub>2</sub> Conditions: A Laboratory Study. <i>Aquatic Geochemistry</i> , <b>2015</b> , 21, 459-485	1.7	9
13	Benthic coral reef calcium carbonate dissolution in an acidifying ocean. <i>Nature Climate Change</i> , <b>2014</b> , 4, 969-976	21.4	118
12	Partial offsets in ocean acidification from changing coral reef biogeochemistry. <i>Nature Climate Change</i> , <b>2014</b> , 4, 56-61	21.4	60
11	Clues from Current High CO <sub>2</sub> Environments on the Effects of Ocean Acidification on CaCO <sub>3</sub> Preservation. <i>Aquatic Geochemistry</i> , <b>2013</b> , 19, 353-369	1.7	6
10	Preparing to manage coral reefs for ocean acidification: lessons from coral bleaching. <i>Frontiers in Ecology and the Environment</i> , <b>2013</b> , 11, 20-27	5.5	33
9	Ocean acidification and coral reefs: effects on breakdown, dissolution, and net ecosystem calcification. <i>Annual Review of Marine Science</i> , <b>2013</b> , 5, 321-48	15.4	226

8	Anthropogenic perturbation of the carbon fluxes from land to ocean. <i>Nature Geoscience</i> , <b>2013</b> , 6, 597-607	18.3	695
7	Threats to Coral Reefs of Bermuda. <i>Coral Reefs of the World</i> , <b>2013</b> , 173-188	2.1	15
6	An apparent vital effect of calcification rate on the Sr/Ca temperature proxy in the reef coral <i>Montipora capitata</i> . <i>Geochemistry, Geophysics, Geosystems</i> , <b>2012</b> , 13, n/a-n/a	3.6	20
5	Coastal Ocean Last Glacial Maximum to 2100 CO <sub>2</sub> -Carbonic Acid-Carbonate System: A Modeling Approach. <i>Aquatic Geochemistry</i> , <b>2011</b> , 17, 749-773	1.7	10
4	Decreased abundance of crustose coralline algae due to ocean acidification. <i>Nature Geoscience</i> , <b>2008</b> , 1, 114-117	18.3	402
3	Dissolution of Carbonate Sediments Under Rising pCO <sub>2</sub> and Ocean Acidification: Observations from Devil's Hole, Bermuda. <i>Aquatic Geochemistry</i> , <b>2007</b> , 13, 237-264	1.7	86
2	Initial responses of carbonate-rich shelf sediments to rising atmospheric pCO <sub>2</sub> and ocean acidification—Role of high Mg-calcites. <i>Geochimica Et Cosmochimica Acta</i> , <b>2006</b> , 70, 5814-5830	5.5	231
1	Shallow-water oceans: a source or sink of atmospheric CO <sub>2</sub> ?. <i>Frontiers in Ecology and the Environment</i> , <b>2004</b> , 2, 348-353	5.5	27