Andreas J Andersson

List of Publications by Citations

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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	Anthropogenic perturbation of the carbon fluxes from land to ocean. *Nature Geoscience*, **2013**, 6, 597-607	18.3	695
42	Decreased abundance of crustose coralline algae due to ocean acidification. *Nature Geoscience*, **2008**, 1, 114-117	18.3	402
41	Initial responses of carbonate-rich shelf sediments to rising atmospheric pCO2 and ocean acidification: Role of high Mg-calcites. *Geochimica Et Cosmochimica Acta*, **2006**, 70, 5814-5830	5.5	231
40	Ocean acidification and coral reefs: effects on breakdown, dissolution, and net ecosystem calcification. *Annual Review of Marine Science*, **2013**, 5, 321-48	15.4	226
39	Coral reefs will transition to net dissolving before end of century. *Science*, **2018**, 359, 908-911	33.3	146
38	Benthic coral reef calcium carbonate dissolution in an acidifying ocean. *Nature Climate Change*, **2014**, 4, 969-976	21.4	118
37	Dissolution of Carbonate Sediments Under Rising pCO2 and Ocean Acidification: Observations from Devil Hole, Bermuda. *Aquatic Geochemistry*, **2007**, 13, 237-264	1.7	86
36	Carbonate-sensitive phytotransferrin controls high-affinity iron uptake in diatoms. *Nature*, **2018**, 555, 534-537	50.4	67
35	Taking the metabolic pulse of the world's coral reefs. *PLoS ONE*, **2018**, 13, e0190872	3.7	66
34	Partial offsets in ocean acidification from changing coral reef biogeochemistry. *Nature Climate Change*, **2014**, 4, 56-61	21.4	60
33	Shifts in coral reef biogeochemistry and resulting acidification linked to offshore productivity. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 14512-7	11.5	44
32	Understanding Ocean Acidification Impacts on Organismal to Ecological Scales. *Oceanography*, **2015**, 25, 16-27	2.3	42
31	A framework for identifying and characterising coral reef 'baselines' against a backdrop of degradation. *Journal of Applied Ecology*, **2018**, 55, 2865-2875	5.8	40
30	Autonomous seawater <i>p</i>CO₂ and pH time series from 40 surface buoys and the emergence of anthropogenic trends. *Earth System Science Data*, **2019**, 11, 421-439	10.5	37
29	Integrating the Effects of Ocean Acidification across Functional Scales on Tropical Coral Reefs. *BioScience*, **2016**, 66, 350-362	5.7	36
28	Preparing to manage coral reefs for ocean acidification: lessons from coral bleaching. *Frontiers in Ecology and the Environment*, **2013**, 11, 20-27	5.5	33
27	Short-Term Spatial and Temporal Carbonate Chemistry Variability in Two Contrasting Seagrass Meadows: Implications for pH Buffering Capacities. *Estuaries and Coasts*, **2018**, 41, 1282-1296	2.8	30

26	Coral Reef Carbonate Chemistry Variability at Different Functional Scales. *Frontiers in Marine Science*, **2018**, 5,	4.5	30
25	Environmental controls on modern scleractinian coral and reef-scale calcification. *Science Advances*, **2017**, 3, e1701356	14.3	30
24	Diel temperature and pH variability scale with depth across diverse coral reef habitats. *Limnology and Oceanography Letters*, **2020**, 5, 193-203	7.9	29
23	A fundamental paradigm for coral reef carbonate sediment dissolution. *Frontiers in Marine Science*, **2015**, 2,	4.5	28
22	Comparing Chemistry and Census-Based Estimates of Net Ecosystem Calcification on a Rim Reef in Bermuda. *Frontiers in Marine Science*, **2016**, 3,	4.5	28
21	Shallow-water oceans: a source or sink of atmospheric CO2?. *Frontiers in Ecology and the Environment*, **2004**, 2, 348-353	5.5	27
20	Differential modification of seawater carbonate chemistry by major coral reef benthic communities. *Coral Reefs*, **2016**, 35, 1311-1325	4.2	24
19	An apparent “vital effect” of calcification rate on the Sr/Ca temperature proxy in the reef coral Montipora capitata. *Geochemistry, Geophysics, Geosystems*, **2012**, 13, n/a-n/a	3.6	20
18	The challenges of detecting and attributing ocean acidification impacts on marine ecosystems. *ICES Journal of Marine Science*, **2020**, 77, 2411-2422	2.7	16
17	Threats to Coral Reefs of Bermuda. *Coral Reefs of the World*, **2013**, 173-188	2.1	15
16	Spatiotemporal variability in seawater carbon chemistry for a coral reef flat in Kāneʻohe Bay, Hawai‘i. *Limnology and Oceanography*, **2019**, 64, 913-934	4.8	13
15	Ecological and socioeconomic strategies to sustain Caribbean coral reefs in a high-CO2 world. *Regional Studies in Marine Science*, **2019**, 29, 100677	1.5	11
14	Disturbances drive changes in coral community assemblages and coral calcification capacity. *Ecosphere*, **2020**, 11, e03066	3.1	10
13	Coastal Ocean Last Glacial Maximum to 2100 CO2-Carbonic Acid-Carbonate System: A Modeling Approach. *Aquatic Geochemistry*, **2011**, 17, 749-773	1.7	10
12	Dissolution Rates of Biogenic Carbonates in Natural Seawater at Different pCO2 Conditions: A Laboratory Study. *Aquatic Geochemistry*, **2015**, 21, 459-485	1.7	9
11	Comparison of Two Methods for Measuring Sea Surface Temperature When Surfing. *Oceans*, **2020**, 1, 6-26	1.3	7
10	Clues from Current High CO2 Environments on the Effects of Ocean Acidification on CaCO3 Preservation. *Aquatic Geochemistry*, **2013**, 19, 353-369	1.7	6
9	Porewater Carbonate Chemistry Dynamics in a Temperate and a Subtropical Seagrass System. *Aquatic Geochemistry*, **2020**, 26, 375-399	1.7	4

8	Comparison of a Smartfin with an Infrared Sea Surface Temperature Radiometer in the Atlantic Ocean. *Remote Sensing*, **2021**, 13, 841	5	4
7	Temporal Changes in Seawater Carbonate Chemistry and Carbon Export from a Southern California Estuary. *Estuaries and Coasts*, **2018**, 41, 1050-1068	2.8	3
6	Coral calcification responses to the North Atlantic Oscillation and coral bleaching in Bermuda. *PLoS ONE*, **2020**, 15, e0241854	3.7	3
5	Temporal and Spatial Variabilities of Chemical and Physical Parameters on the Heron Island Coral Reef Platform. *Aquatic Geochemistry*, **2021**, 27, 241	1.7	2
4	Lateral, Vertical, and Temporal Variability of Seawater Carbonate Chemistry at Hog Reef, Bermuda. *Frontiers in Marine Science*, **2021**, 8,	4.5	2
3	Seasonal changes in seawater calcium and alkalinity in the Sargasso Sea and across the Bermuda carbonate platform. *Marine Chemistry*, **2022**, 238, 104064	3.7	1
2	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. *Oceans*, **2022**, 3, 125-146	1.3	1
1	Implications of salinity normalization of seawater total alkalinity in coral reef metabolism studies.. *PLoS ONE*, **2021**, 16, e0261210	3.7	0