Ann D Russell

List of Publications by Year
in descending order

45 papers	3,638 citations	172457 29 h-index	243625 44 g-index
49 all docs	49 docs citations	49 times ranked	3809 citing authors

#	Article	IF	Citations
1	Effects of seawater carbonate ion concentration and temperature on shell U, Mg, and Sr in cultured planktonic foraminifera. Geochimica Et Cosmochimica Acta, 2004, 68, 4347-4361.	3.9	366
2	Evolutionary change during experimental ocean acidification. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6937-6942.	7.1	285
3	Functional impacts of ocean acidification in an ecologically critical foundation species. Journal of Experimental Biology, 2011, 214, 2586-2594.	1.7	204
4	Persistent carryâ€over effects of planktonic exposure to ocean acidification in the Olympia oyster. Ecology, 2012, 93, 2758-2768.	3.2	177
5	Uranium in foraminiferal calcite as a recorder of seawater uranium concentrations. Geochimica Et Cosmochimica Acta, 1994, 58, 671-681.	3.9	175
6	Foraminiferal magnesium inGloberiginoides sacculiferas a paleotemperature proxy. Paleoceanography, 1998, 13, 161-169.	3.0	172
7	Interlaboratory comparison study of Mg/Ca and Sr/Ca measurements in planktonic foraminifera for paleoceanographic research. Geochemistry, Geophysics, Geosystems, 2004, 5, n/a-n/a.	2.5	170
8	Interlaboratory comparison study of calibration standards for foraminiferal Mg/Ca thermometry. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	168
9	Trace metal evidence for changes in the redox environment associated with the transition from terrigenous clay to diatomaceous sediment, Saanich Inlet, BC. Marine Geology, 2001, 174, 355-369.	2.1	163
10	Persistent spatial structuring of coastal ocean acidification in the California Current System. Scientific Reports, 2017, 7, 2526.	3.3	146
11	The influence of symbiont photosynthesis on the boron isotopic composition of foraminifera shells. Marine Micropaleontology, 2003, 49, 87-96.	1.2	122
12	The influence of salinity on Mg/Ca in planktic foraminifers â€“ Evidence from cultures, core-top sediments and complementary Î´18O. Geochimica Et Cosmochimica Acta, 2013, 121, 196-213.	3.9	122
13	Interacting environmental mosaics drive geographic variation in mussel performance and predation vulnerability. Ecology Letters, 2016, 19, 771-779.	6.4	118
14	Timing and mechanism for intratest Mg/Ca variability in a living planktic foraminifer. Earth and Planetary Science Letters, 2015, 409, 32-42.	4.4	113
15	Planktic foraminifers as recorders of seawater Ba/Ca. Marine Micropaleontology, 2011, 79, 52-57.	1.2	87
16	Core Outcomes for Colorectal Cancer Surgery: A Consensus Study. PLoS Medicine, 2016, 13, e1002071.	8.4	82
17	Nanometer-Scale Chemistry of a Calcite Biomineralization Template: Implications for Skeletal Composition and Nucleation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12934-12939.	7.1	78
18	Larval carryâ€over effects from ocean acidification persist in the natural environment. Global Change Biology, 2013, 19, 3317-3326.	9.5	75

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19	Link between light-triggered Mg-banding and chamber formation in the planktic foraminifera Neogloboquadrina dutertrei. Nature Communications, 2017, 8, 15441.	12.8	73
20	The behavior of redox-sensitive metals across a laminatedâ€“massiveâ€“laminated transition in Saanich Inlet, British Columbia. Marine Geology, 2001, 174, 341-354.	2.1	70
21	The influence of food supply on the response of Olympia oyster larvae to ocean acidification. Biogeosciences, 2013, 10, 6629-6638.	3.3	62
22	Nighttime dissolution in a temperate coastal ocean ecosystem increases under acidification. Scientific Reports, 2016, 6, 22984.	3.3	49
23	Optimizing LA-ICP-MS analytical procedures for elemental depth profiling of foraminifera shells. Chemical Geology, 2015, 407-408, 2-9.	3.3	46
24	Field examination of the oceanic carbonate ion effect on stable isotopes in planktonic foraminifera. Paleoceanography, 2000, 15, 43-52.	3.0	44
25	LAâ€ICPâ€MS depth profiling perspective on cleaning protocols for elemental analyses in planktic foraminifers. Geochemistry, Geophysics, Geosystems, 2013, 14, 2916-2931.	2.5	43
26	Cyanobacterial endobionts within a major marine planktonic calcifier (<i>Globigerina) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 901-920.	3.3	42
27	Ocean acidification compromises a planktic calcifier with implications for global carbon cycling. Scientific Reports, 2017, 7, 2225.	3.3	36
28	The use of foraminiferal uranium/calcium ratios as an indicator of changes in seawater uranium content. Paleoceanography, 1996, 11, 649-663.	3.0	35
29	16S rRNA gene metabarcoding and TEM reveals different ecological strategies within the genus Neogloboquadrina (planktonic foraminifer). PLoS ONE, 2018, 13, e0191653.	2.5	32
30	Submicron sodium banding in cultured planktic foraminifera shells. Geochimica Et Cosmochimica Acta, 2019, 253, 127-141.	3.9	27
31	Mechanisms leading to enrichment of the atmospheric fluorocarbons CCl₃F and CCl₂F₂ in groundwater. Water Resources Research, 1983, 19, 57-60.	4.2	24
32	Effect of dissolved oxygen concentration on planktonic foraminifera through laboratory culture experiments and implications for oceanic anoxic events. Marine Micropaleontology, 2013, 101, 28-32.	1.2	24
33	The elemental composition of purple sea urchin (<i>Strongylocentrotus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 <i>p</i>CO₂ during early life stages. Biogeosciences, 2013, 10, 3465-3477.	3.3	24
34	Ba/Ca ratios in the non-spinose planktic foraminifer Neogloboquadrina dutertrei: Evidence for an organic aggregate microhabitat. Geochimica Et Cosmochimica Acta, 2018, 236, 361-372.	3.9	23
35	Relationships Between Temperature, pH, and Crusting on Mg/Ca Ratios in Laboratoryâ€Grown Neogloboquadrina Foraminifera. Paleoceanography, 2017, 32, 1137-1152.	3.0	22
36	Core-top calibration of B/Ca in Pacific Ocean Neogloboquadrina incompta and Globigerina bulloides as a surface water carbonate system proxy. Earth and Planetary Science Letters, 2017, 466, 139-151.	4.4	21

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37	Constraining multiple controls on planktic foraminifera Mg/Ca. Geochimica Et Cosmochimica Acta, 2020, 273, 116-136.	3.9	21
38	Ocean acidification research in the â€˜post-genomicâ€™ era: Roadmaps from the purple sea urchin Strongylocentrotus purpuratus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 185, 33-42.	1.8	18
39	Deconvolving Glacial Ocean Carbonate Chemistry from the Planktonic Foraminifera Carbon Isotope Record. , 1999, , 329-342.		17
40	Evaluating chemical signatures in a coastal upwelling region to reconstruct water mass associations of settlement-stage rockfishes. Marine Ecology - Progress Series, 2016, 550, 191-206.	1.9	14
41	Effects of seasonal upwelling and runoff on water chemistry and growth and survival of native and commercial oysters. Limnology and Oceanography, 2020, 65, 224-235.	3.1	13
42	Seasonal oxygen and carbon isotope variability in euthecosomatous pteropods from the Sargasso Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2003, 50, 231-245.	1.4	12
43	Seasonality in planktic foraminifera of the central California coastal upwelling region. Biogeosciences, 2016, 13, 5139-5150.	3.3	10
44	A Radiocarbon Chronology of Hunter-Gatherer Occupation from Bodega Bay, California, USA. Radiocarbon, 2005, 47, 265-293.	1.8	7
45	Heterotrophic Foraminifera Capable of Inorganic Nitrogen Assimilation. Frontiers in Microbiology, 2020, 11, 604979.	3.5	5