

# Malcolm McCulloch

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7917362/publications.pdf>

Version: 2024-02-01

323  
papers

37,954  
citations

2093

100  
h-index

3476

182  
g-index

349  
all docs

349  
docs citations

349  
times ranked

20723  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global warming and recurrent mass bleaching of corals. <i>Nature</i> , 2017, 543, 373-377.	13.7	2,363
2	Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. <i>Science</i> , 2018, 359, 80-83.	6.0	1,515
3	Geochemical and geodynamical constraints on subduction zone magmatism. <i>Earth and Planetary Science Letters</i> , 1991, 102, 358-374.	1.8	1,248
4	Geochemical and Nd–Sr isotopic composition of deep-sea turbidites: Crustal evolution and plate tectonic associations. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 2015-2050.	1.6	936
5	Precise determination of SmNd ratios, Sm and Nd isotopic abundances in standard solutions. <i>Geochimica Et Cosmochimica Acta</i> , 1981, 45, 2311-2323.	1.6	852
6	Variability in the El Nino-Southern Oscillation Through a Glacial-Interglacial Cycle. <i>Science</i> , 2001, 291, 1511-1517.	6.0	833
7	A simple method for the precise determination of $\approx 40$ trace elements in geological samples by ICPMS using enriched isotope internal standardisation. <i>Chemical Geology</i> , 1997, 134, 311-326.	1.4	760
8	Sm-Nd and Rb-Sr Chronology of Continental Crust Formation. <i>Science</i> , 1978, 200, 1003-1011.	6.0	687
9	Reconciliation of late Quaternary sea levels derived from coral terraces at Huon Peninsula with deep sea oxygen isotope records. <i>Earth and Planetary Science Letters</i> , 1996, 141, 227-236.	1.8	625
10	Coral record of increased sediment flux to the inner Great Barrier Reef since European settlement. <i>Nature</i> , 2003, 421, 727-730.	13.7	610
11	Is Ocean Acidification an Open-Ocean Syndrome? Understanding Anthropogenic Impacts on Seawater pH. <i>Estuaries and Coasts</i> , 2013, 36, 221-236.	1.0	561
12	Coral resilience to ocean acidification and global warming through pH up-regulation. <i>Nature Climate Change</i> , 2012, 2, 623-627.	8.1	487
13	Geochemical and isotopic systematics in carbonatites and implications for the evolution of ocean-island sources. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 1-17.	1.6	462
14	Geochemistry of loess, continental crustal composition and crustal model ages. <i>Geochimica Et Cosmochimica Acta</i> , 1983, 47, 1897-1905.	1.6	461
15	Temperature and Surface-Ocean Water Balance of the Mid-Holocene Tropical Western Pacific. <i>Science</i> , 1998, 279, 1014-1018.	6.0	455
16	Nd isotopic characteristics of S- and I-type granites. <i>Earth and Planetary Science Letters</i> , 1982, 58, 51-64.	1.8	449
17	Timing and duration of the Last Interglacial: evidence for a restricted interval of widespread coral reef growth. <i>Earth and Planetary Science Letters</i> , 1998, 160, 745-762.	1.8	394
18	Progressive growth of the Earth's continental crust and depleted mantle: Geochemical constraints. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 4717-4738.	1.6	362

#	ARTICLE	IF	CITATIONS
19	Pleistocene Extinction of <i>Genyornis newtoni</i> : Human Impact on Australian Megafauna. <i>Science</i> , 1999, 283, 205-208.	6.0	352
20	Australia's oldest human remains: age of the Lake Mungo 3 skeleton. <i>Journal of Human Evolution</i> , 1999, 36, 591-612.	1.3	339
21	High resolution analysis of trace elements in corals by laser ablation ICP-MS. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 1889-1901.	1.6	317
22	Global sea-level fluctuations during the Last Interglaciatiion (MIS 5e). <i>Quaternary Science Reviews</i> , 2007, 26, 2090-2112.	1.4	313
23	A high-resolution Sr/Ca and $\delta^{18}O$ coral record from the Great Barrier Reef, Australia, and the 1982-1983 El Niño. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 2747-2754.	1.6	291
24	High-precision U-series dating of corals from Western Australia and implications for the timing and duration of the Last Interglacial. <i>Earth and Planetary Science Letters</i> , 1995, 135, 115-130.	1.8	282
25	U-series and ESR analyses of bones and teeth relating to the human burials from Skhul. <i>Journal of Human Evolution</i> , 2005, 49, 316-334.	1.3	282
26	Small Amounts of Zinc from Zinc Oxide Particles in Sunscreens Applied Outdoors Are Absorbed through Human Skin. <i>Toxicological Sciences</i> , 2010, 118, 140-149.	1.4	280
27	Abrupt Decrease in Tropical Pacific Sea Surface Salinity at End of Little Ice Age. <i>Science</i> , 2002, 295, 1511-1514.	6.0	274
28	Sm-Nd, Rb-Sr, and $^{18}O/^{16}O$ isotopic systematics in an oceanic crustal section: Evidence from the Samail Ophiolite. <i>Journal of Geophysical Research</i> , 1981, 86, 2721-2735.	3.3	273
29	Strontium/calcium ratios in modern porites corals From the Great Barrier Reef as a proxy for sea surface temperature: Calibration of the thermometer and monitoring of ENSO. <i>Paleoceanography</i> , 1997, 12, 345-363.	3.0	270
30	The origins of ultrapotassic rocks as inferred from Sr, Nd and Pb isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 231-245.	1.6	261
31	Early ( $\approx 4.5$ Ga) formation of terrestrial crust: Lu-Hf, $\delta^{18}O$ , and Ti thermometry results for Hadean zircons. <i>Earth and Planetary Science Letters</i> , 2008, 268, 476-486.	1.8	259
32	In situ U-series dating by laser-ablation multi-collector ICPMS: new prospects for Quaternary geochronology. <i>Quaternary Science Reviews</i> , 2005, 24, 2523-2538.	1.4	257
33	Coprecipitation and isotopic fractionation of boron in modern biogenic carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 1991, 55, 2901-2910.	1.6	256
34	Nd isotopic evidence for transient, highly depleted mantle reservoirs in the early history of the Earth. <i>Earth and Planetary Science Letters</i> , 1993, 119, 299-317.	1.8	240
35	Characterisation of a plume-related $\approx 800$ Ma magmatic event and its implications for basin formation in central-southern Australia. <i>Earth and Planetary Science Letters</i> , 1994, 121, 349-367.	1.8	237
36	Origin and Migration of the Alpine Iceman. <i>Science</i> , 2003, 302, 862-866.	6.0	229

#	ARTICLE	IF	CITATIONS
37	Isotopic and geochemical systematics in Tertiary-Recent basalts from southeastern Australia and implications for the evolution of the sub-continental lithosphere. <i>Geochimica Et Cosmochimica Acta</i> , 1985, 49, 2051-2067.	1.6	221
38	Limits to the thermal tolerance of corals adapted to a highly fluctuating, naturally extreme temperature environment. <i>Scientific Reports</i> , 2015, 5, 17639.	1.6	219
39	Secular variation in the Nd isotopic composition of Neoproterozoic sediments from the southern margin of the Yangtze Block: evidence for a Proterozoic continental collision in southeast China. <i>Precambrian Research</i> , 1996, 76, 67-76.	1.2	203
40	Resilience of cold-water scleractinian corals to ocean acidification: Boron isotopic systematics of pH and saturation state up-regulation. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 87, 21-34.	1.6	203
41	A three-component Sr-Nd isotopic mixing model for granitoid genesis, Lachlan fold belt, eastern Australia. <i>Geology</i> , 1997, 25, 307.	2.0	199
42	Coral Reef Death During the 1997 Indian Ocean Dipole Linked to Indonesian Wildfires. <i>Science</i> , 2003, 301, 952-955.	6.0	194
43	A neodymium, strontium, and oxygen isotopic study of the Cretaceous Samail ophiolite and implications for the petrogenesis and seawater-hydrothermal alteration of oceanic crust. <i>Earth and Planetary Science Letters</i> , 1980, 46, 201-211.	1.8	192
44	Boninite petrogenesis: Chemical and Nd-Sr isotopic constraints. <i>Earth and Planetary Science Letters</i> , 1983, 65, 75-89.	1.8	192
45	Corals at their latitudinal limits: laser ablation trace element systematics in <i>Porites</i> from Shirigai Bay, Japan. <i>Earth and Planetary Science Letters</i> , 1999, 172, 221-238.	1.8	188
46	<i>Porites</i> corals as recorders of mining and environmental impacts: Misima Island, Papua New Guinea. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 45-62.	1.6	188
47	Geochemical and Isotopic Constraints on the Origin of the Jurassic Dolerites of Tasmania. <i>Journal of Petrology</i> , 1989, 30, 841-883.	1.1	187
48	$^{143}\text{Nd}/^{144}\text{Nd}$ , $^{87}\text{Sr}/^{86}\text{Sr}$ and trace element constraints on the petrogenesis of Aleutian island arc magmas. <i>Earth and Planetary Science Letters</i> , 1981, 56, 167-179.	1.8	186
49	Preindustrial to Modern Interdecadal Variability in Coral Reef pH. <i>Science</i> , 2005, 309, 2204-2207.	6.0	186
50	Rare earth element and neodymium isotopic compositions of the banded iron-formations and associated shales from Hamersley, western Australia. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 187-204.	1.6	181
51	Rapid Fluctuations in Sea Level Recorded at Huon Peninsula During the Penultimate Deglaciation. <i>Science</i> , 1999, 283, 197-201.	6.0	181
52	Nd and Sr isotopes in kimberlites and lamproites from Western Australia: an enriched mantle origin. <i>Nature</i> , 1983, 302, 400-403.	13.7	177
53	Quantifying the pH $\delta$ effect™ in the temperate zooxanthellate coral <i>Cladocora caespitosa</i> : Validation of the boron seawater pH proxy. <i>Earth and Planetary Science Letters</i> , 2011, 303, 163-173.	1.8	177
54	An assessment of the Sr/Ca ratio in shallow water hermatypic corals as a proxy for sea surface temperature. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3263-3280.	1.6	175

#	ARTICLE	IF	CITATIONS
55	Seasonal characteristics of the Indian Ocean Dipole during the Holocene epoch. <i>Nature</i> , 2007, 445, 299-302.	13.7	175
56	High-resolution coral records of rare earth elements in coastal seawater: biogeochemical cycling and a new environmental proxy. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2067-2080.	1.6	170
57	Magma Genesis and Mantle Heterogeneity in the Manus Back-Arc Basin, Papua New Guinea. <i>Journal of Petrology</i> , 2003, 44, 159-195.	1.1	162
58	Genesis of granitoid batholiths of Peninsular Malaysia and implications for models of crustal evolution: Evidence from a Nd—,Sr isotopic and Uf—,Pb zircon study. <i>Geochimica Et Cosmochimica Acta</i> , 1985, 49, 587-600.	1.6	161
59	A Detailed 31,000-Year Record of Climate and Vegetation Change, from the Isotope Geochemistry of Two New Zealand Speleothems. <i>Quaternary Research</i> , 1998, 50, 167-178.	1.0	161
60	500 ka precipitation record from southeastern Australia: Evidence for interglacial relative aridity. <i>Geology</i> , 1998, 26, 147.	2.0	159
61	Marine heatwave causes unprecedented regional mass bleaching of thermally resistant corals in northwestern Australia. <i>Scientific Reports</i> , 2017, 7, 14999.	1.6	159
62	Source of trace element variability in Great Barrier Reef corals affected by the Burdekin flood plumes. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 231-246.	1.6	155
63	The Rayner Complex of East Antarctica: complex isotopic systematics within a Proterozoic mobile belt. <i>Journal of Metamorphic Geology</i> , 1987, 5, 1-26.	1.6	152
64	Pb?Sr?Nd?O isotopic constraints on the origin of rhyolites from the Taupo Volcanic Zone of New Zealand: evidence for assimilation followed by fractionation from basalt. <i>Contributions To Mineralogy and Petrology</i> , 1994, 115, 303-312.	1.2	150
65	Barium and neodymium isotopic anomalies in the Allende meteorite. <i>Astrophysical Journal</i> , 1978, 220, L15.	1.6	149
66	Evidence for ocean acidification in the Great Barrier Reef of Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2332-2346.	1.6	148
67	The provenance of Archean clastic metasediments in the Narryer Gneiss Complex, Western Australia: Trace element geochemistry, Nd isotopes, and U-Pb ages for detrital zircons. <i>Geochimica Et Cosmochimica Acta</i> , 1991, 55, 1915-1932.	1.6	147
68	Multi-proxy constraints on the climatic significance of trace element records from a New Zealand speleothem. <i>Earth and Planetary Science Letters</i> , 2000, 179, 287-297.	1.8	144
69	The geochemistry and petrogenesis of basalts from the Taupo Volcanic Zone and Kermadec Island Arc, S.W. Pacific. <i>Journal of Volcanology and Geothermal Research</i> , 1993, 54, 265-290.	0.8	143
70	The coral record of last interglacial sea levels and sea surface temperatures. <i>Chemical Geology</i> , 2000, 169, 107-129.	1.4	139
71	Lower crustal xenoliths from Queensland, Australia: Evidence for deep crustal assimilation and fractionation of continental basalts. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 1099-1115.	1.6	136
72	Geochemical and Sm—,Nd isotopic study of Neoproterozoic ophiolites from southeastern China: petrogenesis and tectonic implications. <i>Precambrian Research</i> , 1997, 81, 129-144.	1.2	134

#	ARTICLE	IF	CITATIONS
73	Ancient seafloor signals in Pitcairn Island lavas and evidence for large amplitude, small length-scale mantle heterogeneities. <i>Earth and Planetary Science Letters</i> , 1989, 94, 257-273.	1.8	132
74	Global declines in coral reef calcium carbonate production under ocean acidification and warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	132
75	Coral Record of Equatorial Sea-Surface Temperatures During the Penultimate Deglaciation at Huon Peninsula. <i>Science</i> , 1999, 283, 202-204.	6.0	131
76	Boron isotope geochemistry of Australian salt lakes. <i>Geochimica Et Cosmochimica Acta</i> , 1991, 55, 2591-2606.	1.6	129
77	Geochemical and isotopic variations in the calc-alkaline rocks of Aeolian arc, southern Tyrrhenian Sea, Italy: constraints on magma genesis. <i>Contributions To Mineralogy and Petrology</i> , 1993, 113, 300-313.	1.2	129
78	Chemical geodynamics in a back arc region around the Sea of Japan: Implications for the genesis of alkaline basalts in Japan, Korea, and China. <i>Journal of Geophysical Research</i> , 1989, 94, 4634-4654.	3.3	128
79	Strontium and carbon isotope tracers and the origins of soil carbonate in South Australia and Victoria. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1995, 113, 103-117.	1.0	128
80	SmNd isotopic systematics of Enderby Land granulites and evidence for the redistribution of Sm and Nd during metamorphism. <i>Earth and Planetary Science Letters</i> , 1984, 71, 46-58.	1.8	127
81	Profiles of trace elements and stable isotopes derived from giant long-lived <i>Tridacna gigas</i> bivalves: Potential applications in paleoclimate studies. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 280, 132-142.	1.0	127
82	Granitoids of northern Victoria Land, Antarctica; implications of chemical and isotopic variations to regional crustal structure and tectonics. <i>Numerische Mathematik</i> , 1987, 287, 127-169.	0.7	126
83	Phasing and amplitude of sea-level and climate change during the penultimate interglacial. <i>Nature Geoscience</i> , 2009, 2, 355-359.	5.4	125
84	Sm <sup>147</sup> Nd age of Kambalda and Kanowna greenstones and heterogeneity in the Archaean mantle. <i>Nature</i> , 1981, 294, 322-327.	13.7	124
85	Orbital Forcing of the Marine Isotope Stage 9 Interglacial. <i>Science</i> , 2001, 291, 290-293.	6.0	119
86	The New England Batholith: constraints on its derivation from Nd and Sr isotopic studies of granitoids and country rocks. <i>Geochimica Et Cosmochimica Acta</i> , 1985, 49, 369-384.	1.6	116
87	Coupling of in-situ Sm <sup>147</sup> Nd systematics and U <sup>238</sup> Pb dating of monazite and allanite with applications to crustal evolution studies. <i>Chemical Geology</i> , 2007, 245, 45-60.	1.4	115
88	Regional geochemical and isotopic characteristics of high-grade metamorphics of the Prydz bay area: The extent of proterozoic reworking of Qrchaean continental crust in East Antarctica. <i>Precambrian Research</i> , 1984, 26, 169-198.	1.2	114
89	High resolution windows into early Holocene climate: SrCa coral records from the Huon Peninsula. <i>Earth and Planetary Science Letters</i> , 1996, 138, 169-178.	1.8	113
90	Coral calcification in a changing World and the interactive dynamics of pH and DIC upregulation. <i>Nature Communications</i> , 2017, 8, 15686.	5.8	113

#	ARTICLE	IF	CITATIONS
91	Physical and Biological Controls on the Carbonate Chemistry of Coral Reef Waters: Effects of Metabolism, Wave Forcing, Sea Level, and Geomorphology. PLoS ONE, 2013, 8, e53303.	1.1	111
92	Examining water temperature proxies in Porites corals from the Great Barrier Reef: a cross-shelf comparison. Coral Reefs, 2003, 22, 389-404.	0.9	110
93	Li/Mg systematics in scleractinian corals: Calibration of the thermometer. Geochimica Et Cosmochimica Acta, 2014, 132, 288-310.	1.6	109
94	Petrology, geochronology and isotope geochemistry of the post-1820 Ma granites of the Mount Isa Inlier: mechanisms for the generation of Proterozoic anorogenic granites. Precambrian Research, 1988, 40-41, 509-541.	1.2	108
95	East African soil erosion recorded in a 300 year old coral colony from Kenya. Geophysical Research Letters, 2007, 34, .	1.5	108
96	Sm-Nd and U-Pb zircon isotopic constraints on the provenance of sediments from the Amadeus Basin, central Australia: Evidence for REE fractionation. Geochimica Et Cosmochimica Acta, 1992, 56, 921-940.	1.6	107
97	Suborbital-period sea-level oscillations during marine isotope substages 5a and 5c. Earth and Planetary Science Letters, 2004, 225, 191-204.	1.8	107
98	Biological mechanisms supporting adaptation to ocean acidification in coastal ecosystems. Estuarine, Coastal and Shelf Science, 2015, 152, A1-A8.	0.9	105
99	Routine lead isotope determinations using a lead-207 <sup>+</sup> lead-204 double spike: a long-term assessment of analytical precision and accuracy. Analyst, The, 1995, 120, 35-39.	1.7	103
100	The southeast Australian lithospheric mantle: isotopic and geochemical constraints on its growth and evolution. Earth and Planetary Science Letters, 1987, 86, 327-340.	1.8	101
101	Interactive effects of ontogeny, food ration and temperature on elemental incorporation in otoliths of a coral reef fish. Environmental Biology of Fishes, 2010, 89, 441-451.	0.4	101
102	Sources of mineralising fluids for the Olympic Dam deposit (South Australia) : Sm <sup>147</sup> -Nd isotopic constraints. Chemical Geology, 1995, 121, 177-199.	1.4	100
103	Coralline algae elevate <sc>pH</sc> at the site of calcification under ocean acidification. Global Change Biology, 2017, 23, 4245-4256.	4.2	99
104	Corals record low mobile barium concentrations in the Burdekin River during the 1974 flood: evidence for limited Ba supply to rivers?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 214, 155-174.	1.0	98
105	Radiocarbon-based ages and growth rates of bamboo corals from the Gulf of Alaska. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	97
106	Tracing the life history of individual barramundi using laser ablation MC-ICP-MS Sr-isotopic and Sr/Ba ratios in otoliths. Marine and Freshwater Research, 2005, 56, 637.	0.7	96
107	Aeolian contribution to strontium and strontium isotope variations in a Tasmanian speleothem. Chemical Geology, 1998, 149, 37-50.	1.4	95
108	Sr isotope constraints on the Mediterranean environment at the end of the Messinian salinity crisis. Nature, 1989, 342, 62-65.	13.7	94

#	ARTICLE	IF	CITATIONS
109	Sm-Nd isotopic constraints on the evolution of Precambrian crust in the Australian continent. <i>Geodynamic Series</i> , 1987, , 115-130.	0.1	92
110	An ancient Sm-Nd age for a ferroan noritic anorthosite clast from lunar breccia 67016. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 2921-2926.	1.6	92
111	Corals record long-term Leeuwin current variability including Ningaloo Ni <sup>±o</sup> /Ni <sup>±a</sup> since 1795. <i>Nature Communications</i> , 2014, 5, 3607.	5.8	89
112	Geochemical and Nd isotopic systematics of granites from the Arunta Inlier, central Australia: implications for Proterozoic crustal evolution. <i>Precambrian Research</i> , 1995, 71, 265-299.	1.2	88
113	The role of subducted slabs in an evolving Earth. <i>Earth and Planetary Science Letters</i> , 1993, 115, 89-100.	1.8	87
114	Mid-Pleistocene cave fills, megafaunal remains and climate change at Naracoorte, South Australia: towards a predictive model using U-Th dating of speleothems. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2000, 159, 113-143.	1.0	86
115	Impact of skeletal dissolution and secondary aragonite on trace element and isotopic climate proxies in <i>Porites</i> corals. <i>Paleoceanography</i> , 2007, 22, .	3.0	86
116	Stratigraphy, U-Th chronology, and paleoenvironments at Gladysvale Cave: insights into the climatic control of South African hominin-bearing cave deposits. <i>Journal of Human Evolution</i> , 2007, 53, 602-619.	1.3	86
117	Evolution of the early Earth: Constraints from <sup>143</sup> Nd/ <sup>142</sup> Nd isotopic systematics. <i>Lithos</i> , 1993, 30, 237-255.	0.6	85
118	Submarine basalts from the Red Sea: New Pb, Sr, and Nd isotopic data. <i>Geophysical Research Letters</i> , 1993, 20, 927-930.	1.5	85
119	Geochemistry of Pliocene to Quaternary alkali basalts from the Huri Hills, northern Kenya. <i>Chemical Geology</i> , 1994, 113, 1-22.	1.4	85
120	Geochemical and Sr <sup>i</sup> -Nd isotopic study of charnockites and related rocks in the northern Prince Charles Mountains, East Antarctica: implications for charnockite petrogenesis and proterozoic crustal evolution. <i>Precambrian Research</i> , 1997, 81, 37-66.	1.2	85
121	Sm-Nd and Rb-Sr isotopic and geochemical systematics in Phanerozoic granulites from Fiordland, southwest New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 1987, 97, 183-195.	1.2	84
122	Phosphorus in Cold-Water Corals as a Proxy for Seawater Nutrient Chemistry. <i>Science</i> , 2006, 312, 1788-1791.	6.0	84
123	High-precision U-series measurements of more than 500,000-year old fossil corals. <i>Earth and Planetary Science Letters</i> , 2008, 265, 229-245.	1.8	84
124	Effects of sedimentary sorting on neodymium isotopes in deep-sea turbidites. <i>Nature</i> , 1989, 337, 547-549.	13.7	83
125	Proliferation and demise of deep-sea corals in the Mediterranean during the Younger Dryas. <i>Earth and Planetary Science Letters</i> , 2010, 298, 143-152.	1.8	83
126	Chemical geodynamics in the back-arc region of Japan based on the trace element and Sr <sup>i</sup> -Nd isotopic compositions. <i>Tectonophysics</i> , 1990, 174, 207-233.	0.9	82



#	ARTICLE	IF	CITATIONS
127	Basalt basement from the Kerguelen Plateau and the trail of a Dupal plume. <i>Contributions To Mineralogy and Petrology</i> , 1989, 103, 457-469.	1.2	81
128	Plume versus lithospheric sources for melts at Ua Pou, Marquesas Islands. <i>Nature</i> , 1986, 322, 534-538.	13.7	79
129	Lead isotopic evidence for deep crustal-scale fluid transport during granite petrogenesis. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 659-674.	1.6	79
130	Geochemical and Sr <sup>87</sup> -Nd isotopic mapping of source provinces for the Mawson charnockites, east Antarctica: implications for Proterozoic tectonics and Gondwana reconstruction. <i>Precambrian Research</i> , 1997, 86, 1-19.	1.2	79
131	Petrogenesis and Geodynamic Implications of Late Cenozoic Basalts in North Queensland, Australia: Trace-element and Sr-Nd-Pb Isotope Evidence. <i>Journal of Petrology</i> , 2001, 42, 685-719.	1.1	79
132	Timing and exhumation of eclogite facies shear zones, Musgrave Block, central Australia. <i>Journal of Metamorphic Geology</i> , 1997, 15, 735-751.	1.6	78
133	The isotopic and elemental abundance of ytterbium in meteorites and terrestrial samples. <i>Geochimica Et Cosmochimica Acta</i> , 1977, 41, 1703-1707.	1.6	77
134	Nd-Sr isotopic and trace element geochemistry of river sediments and soils in a fertilized catchment, New South Wales, Australia. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 287-305.	1.6	77
135	Coral resistance to ocean acidification linked to increased calcium at the site of calcification. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180564.	1.2	77
136	Linkages between coral assemblages and coral proxies of terrestrial exposure along a cross-shelf gradient on the southern Great Barrier Reef. <i>Coral Reefs</i> , 2008, 27, 887-903.	0.9	76
137	Early Archean crustal evolution of the Jack Hills Zircon source terrane inferred from Lu <sup>176</sup> -Hf, <sup>207</sup> Pb/ <sup>206</sup> Pb, and <sup>18</sup> O systematics of Jack Hills zircons. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4816-4829.	1.6	76
138	Comparison of dermal absorption of zinc from different sunscreen formulations and differing UV exposure based on stable isotope tracing. <i>Science of the Total Environment</i> , 2012, 420, 313-318.	3.9	76
139	Resistance of corals and coralline algae to ocean acidification: physiological control of calcification under natural pH variability. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181168.	1.2	75
140	Nd-Sr isotopic study of primitive lavas from the Troodos ophiolite, Cyprus: Evidence for a subduction-related setting. <i>Geology</i> , 1983, 11, 727.	2.0	74
141	Sourcing Sediment Using Multiple Tracers in the Catchment of Lake Argyle, Northwestern Australia. <i>Environmental Management</i> , 2002, 29, 634-646.	1.2	74
142	The non-tropical coral <i>Cladocora caespitosa</i> as the new climate archive for the Mediterranean: high-resolution (1/4weekly) trace element systematics. <i>Quaternary Science Reviews</i> , 2007, 26, 441-462.	1.4	72
143	Sm <sup>147</sup> -Nd mineral isochron ages of Late Proterozoic dyke swarms in Australia: evidence for two distinctive events of mafic magmatism and crustal extension. <i>Chemical Geology</i> , 1993, 109, 341-354.	1.4	71
144	Melting of a subduction-modified continental lithospheric, mantle: Evidence from Late Proterozoic mafic dike swarms, in central Australia. <i>Geology</i> , 1993, 21, 463.	2.0	71

#	ARTICLE	IF	CITATIONS
145	Coral calcification mechanisms facilitate adaptive responses to ocean acidification. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20172117.	1.2	70
146	A speleothem record of Holocene climate variability from southwestern Mexico. Quaternary Research, 2011, 75, 104-113.	1.0	69
147	Age and origin of a compositionally varied mafic dyke swarm in the Bunger Hills, East Antarctica. Chemical Geology, 1990, 85, 215-246.	1.4	67
148	Early marine diagenesis in corals and geochemical consequences for paleoceanographic reconstructions. Geophysical Research Letters, 2001, 28, 4471-4474.	1.5	67
149	The big ecological questions inhibiting effective environmental management in Australia. Austral Ecology, 2009, 34, 1-9.	0.7	66
150	More anomalies from the Allende Meteorite: Samarium. Geophysical Research Letters, 1978, 5, 599-602.	1.5	65
151	Coral Ba/Ca records of sediment input to the fringing reef of the southshore of Molokaï, Hawaiï over the last several decades. Marine Pollution Bulletin, 2010, 60, 1822-1835.	2.3	65
152	Long-term records of coral calcification across the central Great Barrier Reef: assessing the impacts of river runoff and climate change. Coral Reefs, 2013, 32, 999-1012.	0.9	65
153	Response of coral calcification and calcifying fluid composition to thermally induced bleaching stress. Scientific Reports, 2017, 7, 2207.	1.6	65
154	ESR analysis of teeth from the palaeoanthropological site of Zhoukoudian, China. Journal of Human Evolution, 1997, 32, 83-91.	1.3	63
155	pH homeostasis during coral calcification in a free ocean CO <sub>2</sub> enrichment (FOCE) experiment, Heron Island reef flat, Great Barrier Reef. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13219-13224.	3.3	63
156	Coral record of southeast Indian Ocean marine heatwaves with intensified Western Pacific temperature gradient. Nature Communications, 2015, 6, 8562.	5.8	62
157	Stress-resistant corals may not acclimatize to ocean warming but maintain heat tolerance under cooler temperatures. Nature Communications, 2019, 10, 4031.	5.8	62
158	Quaternary volcanic activity of the southern Red Sea: new data and assessment of models on magma sources and Afar plume-lithosphere interaction. Tectonophysics, 1997, 278, 15-29.	0.9	61
159	Similar controls on calcification under ocean acidification across unrelated coral reef taxa. Global Change Biology, 2018, 24, 4857-4868.	4.2	61
160	Comparison of ESR and TIMS U/Th dating of marine isotope stage (MIS) 5e, 5c, and 5a coral from Barbados—implications for palaeo sea-level changes in the Caribbean. Quaternary International, 2004, 120, 41-50.	0.7	59
161	A new coral reef province in the Gulf of Carpentaria, Australia: Colonisation, growth and submergence during the early Holocene. Marine Geology, 2008, 251, 85-97.	0.9	59
162	Sources of metals in the Porgera gold deposit, Papua New Guinea: Evidence from alteration, isotope, and noble metal geochemistry. Geochimica Et Cosmochimica Acta, 1991, 55, 565-580.	1.6	58

#	ARTICLE	IF	CITATIONS
163	Impact of matrix effects on the accurate measurement of Li isotope ratios by inductively coupled plasma mass spectrometry (MC-ICP-MS) under $\delta$ -cold-plasma conditions. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 734-737.	1.6	58
164	Mid-Holocene variability in the marine $^{14}\text{C}$ reservoir age for northern coastal Papua New Guinea. <i>Quaternary Geochronology</i> , 2008, 3, 213-225.	0.6	58
165	Applications of the $^{238}\text{U}$ - $^{230}\text{Th}$ decay series to dating of fossil and modern corals using MC-ICPMS. <i>Australian Journal of Earth Sciences</i> , 2008, 55, 955-965.	0.4	58
166	Acclimatization of massive reef-building corals to consecutive heatwaves. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190235.	1.2	58
167	Pb-Nd-Sr isotopic compositions and trace element characteristics of young volcanic rocks from Egmont Volcano and comparisons with basalts and andesites from the Taupo Volcanic Zone, New Zealand. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 941-953.	1.6	57
168	A coralline alga gains tolerance to ocean acidification over multiple generations of exposure. <i>Nature Climate Change</i> , 2020, 10, 143-146.	8.1	57
169	New U-Pb zircon ages from the Denman Glacier area, East Antarctica, and their significance for Gondwana reconstruction. <i>Antarctic Science</i> , 1992, 4, 447-460.	0.5	56
170	Groundwater in the Broken Hill region, Australia: recognising interaction with bedrock and mineralisation using S, Sr and Pb isotopes. <i>Applied Geochemistry</i> , 2005, 20, 767-787.	1.4	56
171	Uranium-series dating rock art in East Timor. <i>Journal of Archaeological Science</i> , 2007, 34, 991-996.	1.2	56
172	Ocean acidification causes structural deformities in juvenile coral skeletons. <i>Science Advances</i> , 2016, 2, e1501130.	4.7	56
173	Nd and Sr isotopic systematics of central Australian granulites: chronology of crustal development and constraints on the evolution of lower continental crust. <i>Contributions To Mineralogy and Petrology</i> , 1986, 94, 289-303.	1.2	55
174	Strontium isotope variations in single ostracod valves from the Gulf of Carpentaria, Australia: A palaeoenvironmental indicator. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 1703-1710.	1.6	55
175	Resistance to ocean acidification in coral reef taxa is not gained by acclimatization. <i>Nature Climate Change</i> , 2019, 9, 477-483.	8.1	53
176	Intraplate-type magmatism in a continent-island-arc collision zone: Porgera intrusive complex, Papua New Guinea. <i>Geology</i> , 1990, 18, 958.	2.0	52
177	The Nd- and Sr-isotopic composition of I-type microgranitoid enclaves and their host rocks from the Swifts Creek Pluton, southeast Australia. <i>Chemical Geology</i> , 1990, 85, 119-134.	1.4	52
178	Isotopic evidence for the dependence of recurrent felsic magmatism on new crust formation: An example from the Georgetown region of Northeastern Australia. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 183-196.	1.6	51
179	Geochemical and Sr-Nd-Pb isotopic characteristics of Late Cenozoic leucite lamproites from the East European Alpine belt (Macedonia and Yugoslavia). <i>Contributions To Mineralogy and Petrology</i> , 2004, 147, 58-73.	1.2	51
180	Decoupling between the response of coral calcifying fluid pH and calcification to ocean acidification. <i>Scientific Reports</i> , 2017, 7, 7573.	1.6	51

#	ARTICLE	IF	CITATIONS
181	Coral calcifying fluid aragonite saturation states derived from Raman spectroscopy. <i>Biogeosciences</i> , 2017, 14, 5253-5269.	1.3	51
182	A lower crustal origin for massif-type anorthosites. <i>Nature</i> , 1984, 311, 372-374.	13.7	50
183	Direct determination of boron and chlorine isotopic compositions in geological materials by negative thermal-ionization mass spectrometry. <i>Chemical Geology: Isotope Geoscience Section</i> , 1989, 79, 333-343.	0.7	50
184	Primitive $^{87}\text{Sr}/^{86}\text{Sr}$ from an Archean barite and conjecture on the Earth's age and origin. <i>Earth and Planetary Science Letters</i> , 1994, 126, 1-13.	1.8	50
185	Rapid, high-precision measurements of boron isotopic compositions in marine carbonates. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2704-2712.	0.7	50
186	Crustose coralline algal growth, calcification and mortality following a marine heatwave in Western Australia. <i>Continental Shelf Research</i> , 2015, 106, 38-44.	0.9	50
187	Isotopic and geochemical studies of nodules in kimberlite have implications for the lower continental crust. <i>Nature</i> , 1982, 300, 166-169.	13.7	49
188	ESR and U-series analyses of enamel and dentine fragments of the Banyoles mandible. <i>Journal of Human Evolution</i> , 2006, 50, 347-358.	1.3	49
189	River runoff reconstructions from novel spectral luminescence scanning of massive coral skeletons. <i>Coral Reefs</i> , 2010, 29, 579-591.	0.9	49
190	Sm-Nd isotope systematics in uranium rare-earth element mineralization at the Mary Kathleen uranium mine, Queensland. <i>Economic Geology</i> , 1987, 82, 1805-1826.	1.8	47
191	Interdecadal climate variability in the Coral Sea since 1708 A.D.. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 248, 190-201.	1.0	47
192	Precise and accurate determination of $^{147}\text{Sm}/^{144}\text{Nd}$ and $^{143}\text{Nd}/^{144}\text{Nd}$ in monazite using laser ablation-MC-ICPMS. <i>Chemical Geology</i> , 2011, 282, 45-57.	1.4	47
193	Stable isotope record and its palaeoenvironmental interpretation for a late Middle Pleistocene speleothem from Victoria Fossil Cave, Naracoorte, South Australia. <i>Quaternary Science Reviews</i> , 2000, 19, 763-774.	1.4	46
194	Magnesium isotopic analysis of olivine by laser-ablation multi-collector ICP-MS: composition dependent matrix effects and a comparison of the Earth and Moon. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 50-54.	1.6	46
195	Intensified mid-Holocene Asian monsoon recorded in corals from Kikai Island, subtropical northwestern Pacific. <i>Quaternary Research</i> , 2007, 67, 204-214.	1.0	46
196	The mountain-lowland debate: Deforestation and sediment transport in the upper Ganga catchment. <i>Journal of Environmental Management</i> , 2008, 88, 53-61.	3.8	46
197	Evidence for isotopic equilibration of SmNd whole-rock systems in early Archaean crust of Enderby Land, Antarctica. <i>Earth and Planetary Science Letters</i> , 1987, 82, 15-24.	1.8	45
198	Tracing the source of sediment and phosphorus into the Great Barrier Reef lagoon. <i>Earth and Planetary Science Letters</i> , 2003, 210, 249-258.	1.8	44

#	ARTICLE	IF	CITATIONS
199	Arc and back-arc geochemistry in the southern Kermadec arc-Ngatoro Basin and offshore Taupo Volcanic Zone, SW Pacific. <i>Geological Society Special Publication</i> , 1994, 81, 193-212.	0.8	43
200	Meta-igneous granulite xenoliths from Mount Ruapehu, New Zealand: Fragments of altered oceanic crust?. <i>Contributions To Mineralogy and Petrology</i> , 1990, 105, 650-661.	1.2	42
201	Age of the Lake Mungo 3 skeleton, reply to Bowler & Magee and to Gillespie & Roberts. <i>Journal of Human Evolution</i> , 2000, 38, 733-741.	1.3	42
202	Nd-Sr isotopic and geochemical systematics in Cambrian boninites and tholeiites from Victoria, Australia. <i>Contributions To Mineralogy and Petrology</i> , 1984, 88, 164-172.	1.2	41
203	Sr and Nd isotope systematics of polymetamorphic Archean gneisses from southern West Greenland and northern Labrador. <i>Canadian Journal of Earth Sciences</i> , 1989, 26, 446-466.	0.6	41
204	Resolution of the early life history of a reef fish using otolith chemistry. <i>Coral Reefs</i> , 2005, 24, 222-229.	0.9	41
205	Movements of Diadromous Fish in Large Unregulated Tropical Rivers Inferred from Geochemical Tracers. <i>PLoS ONE</i> , 2011, 6, e18351.	1.1	41
206	Nd isotopic systematics and chemistry of Central Australian sapphirine granulites: an example of rare earth element mobility. <i>Earth and Planetary Science Letters</i> , 1984, 70, 27-39.	1.8	38
207	Environmental Records from Great Barrier Reef Corals: Inshore versus Offshore Drivers. <i>PLoS ONE</i> , 2013, 8, e77091.	1.1	38
208	Effect of ocean warming and acidification on the early life stages of subtropical <i>Acropora spicifera</i> . <i>Coral Reefs</i> , 2015, 34, 1217-1226.	0.9	38
209	Sm-Nd systematics of hydrothermal scheelite from the Mount Charlotte Mine, Kalgoorlie, Western Australia; an isotopic link between gold mineralization and komatiites. <i>Economic Geology</i> , 1995, 90, 2329-2335.	1.8	37
210	Rapid trace element analysis of speleothems by ELA-ICP-MS. <i>Chemical Geology</i> , 2006, 231, 102-117.	1.4	37
211	A universal multi-trace element calibration for reconstructing sea surface temperatures from long-lived <i>Porites</i> corals: Removing "vital-effects". <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 109-135.	1.6	37
212	Flow-driven micro-scale pH variability affects the physiology of corals and coralline algae under ocean acidification. <i>Scientific Reports</i> , 2019, 9, 12829.	1.6	37
213	Sm-Nd ages of the Arunta, Tennant creek, and Georgetown inliers of Northern Australia. <i>Australian Journal of Earth Sciences</i> , 1984, 31, 49-60.	0.4	36
214	The timing of sea-level high-stands during Marine Isotope Stages 7.5 and 9: Constraints from the uranium-series dating of fossil corals from Henderson Island. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3598-3620.	1.6	36
215	Stable isotopes ( $\delta^{18}O$ and $\delta^{13}C$ ), trace and minor element compositions of Recent scleractinians and Last Glacial bivalves at the Santa Maria di Leuca deep-water coral province, Ionian Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 471-486.	0.6	36
216	Light and temperature effects on $\delta^{11}B$ and $B/Ca$ ratios of the zooxanthellate coral <i>Acropora</i> sp.: results from culturing experiments. <i>Biogeosciences</i> , 2012, 9, 4589-4605.	1.3	36

#	ARTICLE	IF	CITATIONS
217	An assessment of an environmental gradient using coral geochemical records, Whitsunday Islands, Great Barrier Reef, Australia. <i>Marine Pollution Bulletin</i> , 2012, 65, 306-319.	2.3	36
218	Dampier Ridge, Tasman Sea, as a stranded continental fragment— . <i>Australian Journal of Earth Sciences</i> , 1994, 41, 395-406.	0.4	35
219	Coral Li/Mg thermometry: Caveats and constraints. <i>Chemical Geology</i> , 2019, 523, 162-178.	1.4	35
220	Perennial growth of hermatypic corals at Rottnest Island, Western Australia (32°S). <i>PeerJ</i> , 2015, 3, e781.	0.9	35
221	Sm-Nd and Rb-Sr dating of Archaean gneisses, eastern Yilgarn Block, Western Australia. <i>Journal of the Geological Society of Australia</i> , 1983, 30, 149-153.	0.6	34
222	Thermally Variable, Macrotidal Reef Habitats Promote Rapid Recovery From Mass Coral Bleaching. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	34
223	Geochemical characteristics of cretaceous mafic dikes from Northern Guangdong, SE China: Age, origin and tectonic significance. <i>Geodynamic Series</i> , 1998, , 405-419.	0.1	33
224	Madagascar corals reveal a multidecadal signature of rainfall and river runoff since 1708. <i>Climate of the Past</i> , 2013, 9, 641-656.	1.3	33
225	Resilience of coral calcification to extreme temperature variations in the Kimberley region, northwest Australia. <i>Coral Reefs</i> , 2015, 34, 1151-1163.	0.9	33
226	Response of <i>Acropora digitifera</i> to ocean acidification: constraints from $\delta^{11}\text{B}$ , Sr, Mg, and Ba compositions of aragonitic skeletons cultured under variable seawater pH. <i>Coral Reefs</i> , 2015, 34, 1139-1149.	0.9	33
227	Environmental constraints on Holocene cold-water coral reef growth off Norway: Insights from a multiproxy approach. <i>Paleoceanography</i> , 2016, 31, 1350-1367.	3.0	33
228	Elemental signatures of <i>Pomacentrus coelestis</i> otoliths at multiple spatial scales on the Great Barrier Reef, Australia. <i>Marine Ecology - Progress Series</i> , 2004, 270, 229-239.	0.9	33
229	Reassessment of the origin of the Dun Mountain Ophiolite, New Zealand: Nd isotopic and geochemical evolution of magma suites. <i>New Zealand Journal of Geology, and Geophysics</i> , 2000, 43, 133-146.	1.0	32
230	Uplift rates defined by U-series and $^{14}\text{C}$ ages of serpulid-encrusted speleothems from submerged caves near Siracusa, Sicily (Italy). <i>Quaternary Geochronology</i> , 2009, 4, 2-10.	0.6	32
231	Monazite geochronology and geochemistry of meta-sediments in the Narryer Gneiss Complex, Western Australia: constraints on the tectonothermal history and provenance. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 803-823.	1.2	32
232	Accurate in situ $^{238}\text{U}$ - $^{234}\text{U}$ - $^{232}\text{Th}$ - $^{230}\text{Th}$ analysis of silicate glasses and iron oxides by laser-ablation MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 1240.	1.6	31
233	Interactions between filamentous turf algae and coralline algae are modified under ocean acidification. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 456, 70-77.	0.7	31
234	Sub-Permil Interlaboratory Consistency for Solution-Based Boron Isotope Analyses on Marine Carbonates. <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 59-75.	1.7	31

#	ARTICLE	IF	CITATIONS
235	A search for fossil nuclear reactors in the Alligator River Uranium Field, Australia: Constraints from Sm, Gd and Nd isotopic studies. <i>Chemical Geology</i> , 1990, 88, 301-315.	1.4	30
236	Evidence of El Niño and the Indian Ocean dipole from Sr/Ca derived SSTs for modern corals at Christmas Island, eastern Indian Ocean. <i>Geophysical Research Letters</i> , 2001, 28, 3453-3456.	1.5	30
237	Atmospheric forcing intensifies the effects of regional ocean warming on reef-scale temperature anomalies during a coral bleaching event. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4600-4616.	1.0	30
238	Geochemical and Nd isotopic systematics of the Permian-Triassic Gympie Group, southeast Queensland. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 377-393.	0.4	29
239	Sr/Ca and $\delta^{18}O$ seasonality in a Porites coral from the MIS 9 (339–303 ka) interglacial. <i>Earth and Planetary Science Letters</i> , 2006, 248, 462-475.	1.8	29
240	Reviews and syntheses: Revisiting the boron systematics of aragonite and their application to coral calcification. <i>Biogeosciences</i> , 2018, 15, 2819-2834.	1.3	28
241	Magmatic Evolution of Semisopchnoi Island, Alaska: Trace-Element and Isotopic Constraints. <i>Journal of Geology</i> , 1985, 93, 609-618.	0.7	28
242	Neodymium isotope evidence for ultra-depleted mantle in the early Proterozoic. <i>Nature</i> , 1991, 354, 384-387.	13.7	26
243	Detailed Mass Spectrometric U-series Analyses of Two Teeth from the Archaeological Site of Pech de l'Aze II: Implications for Uranium Migration and Dating. <i>Journal of Archaeological Science</i> , 1999, 26, 1301-1310.	1.2	26
244	Osmium isotopic compositions by vapor phase sample introduction using a multi-collector ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 1394-1397.	1.6	26
245	Geomorphic evidence of major sea-level fluctuations during marine isotope substage-5e, Cape Cuvier, Western Australia. <i>Geomorphology</i> , 2008, 102, 595-602.	1.1	26
246	Phosphate defects and apatite inclusions in coral skeletal aragonite revealed by solid-state NMR spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7446-7457.	1.6	26
247	Coral records of reef-water pH across the central Great Barrier Reef, Australia: assessing the influence of river runoff on inshore reefs. <i>Biogeosciences</i> , 2015, 12, 1223-1236.	1.3	26
248	Geochemical and Nd isotopic study of Palaeozoic bimodal volcanics in Hainan Island, South China—implications for rifting tectonics and mantle reservoirs. <i>Lithos</i> , 1992, 29, 127-139.	0.6	24
249	Geochemistry of coral from Papua New Guinea as a proxy for ENSO ocean-atmosphere interactions in the Pacific Warm Pool. <i>Continental Shelf Research</i> , 2004, 24, 2343-2356.	0.9	24
250	Dating of chemical weathering processes by in situ measurement of U-series disequilibria in supergene Fe-oxy/hydroxides using LA-MC-ICPMS. <i>Chemical Geology</i> , 2006, 235, 76-94.	1.4	24
251	Mechanisms and seasonal drivers of calcification in the temperate coral <i>Turbinaria reniformis</i> at its latitudinal limits. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180215.	1.2	24
252	Sm-Nd and Rb-Sr dating of an Archean massive sulfide deposit: Kidd Creek, Ontario. <i>Geology</i> , 1986, 14, 585.	2.0	23

#	ARTICLE	IF	CITATIONS
253	A Strontium Isotopic Investigation of the Bjerkreim-Sokndal Layered Intrusion, Southwest Norway. <i>Journal of Petrology</i> , 1996, 37, 171-193.	1.1	23
254	U-series evidence for widespread reef development in Shark Bay during the last interglacial. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 259, 424-435.	1.0	23
255	Tracing the provenance and recrystallization processes of the Earth's oldest detritus at Mt. Narryer and Jack Hills, Western Australia: An in situ Sm-Nd isotopic study of monazite. <i>Earth and Planetary Science Letters</i> , 2011, 308, 350-358.	1.8	23
256	Environmental and physiochemical controls on coral calcification along a latitudinal temperature gradient in Western Australia. <i>Global Change Biology</i> , 2019, 25, 431-447.	4.2	23
257	The influence of oceanic and lagoonal plume waters on otolith chemistry. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 898-904.	0.7	22
258	Evaluating Quaternary dating methods: Radiocarbon, U-series, luminescence, and amino acid racemization dates of a late Pleistocene emu egg. <i>Quaternary Geochronology</i> , 2009, 4, 84-92.	0.6	22
259	ENSO variability during MIS 11 (424-374 ka) from <i>Tridacna gigas</i> at Huon Peninsula, Papua New Guinea. <i>Earth and Planetary Science Letters</i> , 2015, 431, 236-246.	1.8	22
260	Active modulation of the calcifying fluid carbonate chemistry ( $\delta^{11}\text{B}$ , B/Ca) and seasonally invariant coral calcification at sub-tropical limits. <i>Scientific Reports</i> , 2017, 7, 13830.	1.6	22
261	The application of compound-specific sulfur isotopes to the oil-source rock correlation of Kurdistan petroleum. <i>Organic Geochemistry</i> , 2018, 117, 22-30.	0.9	22
262	A cautionary tale from down under: Dating the BlackCreek Swamp megafauna site on Kangaroo Island, South Australia. <i>Quaternary Geochronology</i> , 2006, 1, 142-150.	0.6	21
263	Accurate and precise microscale measurements of boron isotope ratios in calcium carbonates using laser ablation multicollector-ICPMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 550-560.	1.6	20
264	Growth of Archaean crust within the western gneiss terrain, Yilgarn Block, Western Australia. <i>Journal of the Geological Society of Australia</i> , 1983, 30, 155-160.	0.6	19
265	Contrasting zircon U-Pb and model Sm-Nd ages for the Archaean Logue Brook Granite. <i>Australian Journal of Earth Sciences</i> , 1986, 33, 193-200.	0.4	19
266	Climate reconstructions and monitoring in the Mediterranean Sea: A review on some recently discovered high-resolution marine archives. <i>Rendiconti Lincei</i> , 2008, 19, 121-140.	1.0	19
267	A High-Resolution Coral-Based $\delta^{14}\text{C}$ Record of Surface Water Processes in the Western Mediterranean Sea. <i>Radiocarbon</i> , 2013, 55, 1617-1630.	0.8	19
268	Petrogenetic applications of the radiogenic decay scheme $\epsilon^{\text{Rb}}$ : A reconnaissance study. <i>Chemical Geology: Isotope Geoscience Section</i> , 1989, 79, 275-293.	0.7	18
269	Assessing the drivers of spatial variation in thermal forcing across a nearshore reef system and implications for coral bleaching. <i>Limnology and Oceanography</i> , 2014, 59, 1241-1255.	1.6	18
270	Nd and Sr isotopic crustal contamination patterns in an Archaean meta-basic dyke from northern Labrador. <i>Geochimica Et Cosmochimica Acta</i> , 1984, 48, 71-83.	1.6	17



#	ARTICLE	IF	CITATIONS
271	Interpreting environmental signals from the coralline sponge <i>Astrosclera willeyana</i> . <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 228, 58-69.	1.0	17
272	Structure and growth rates of the high-latitude coral: <i>Plesiastrea versipora</i> . <i>Coral Reefs</i> , 2009, 28, 1005-1015.	0.9	17
273	Boron Isotopic Systematics in Scleractinian Corals and the Role of pH Up-regulation. <i>Advances in Isotope Geochemistry</i> , 2018, , 145-162.	1.4	17
274	Investigating marine bio-calcification mechanisms in a changing ocean with in vivo and high-resolution ex vivo Raman spectroscopy. <i>Global Change Biology</i> , 2019, 25, 1877-1888.	4.2	17
275	Calibration of Sr/Ca, Li/Mg and Sr- $\delta^{18}O$ Paleothermometry in Branching and Foliose Corals. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1271-1291.	1.3	17
276	First ROV Exploration of the Perth Canyon: Canyon Setting, Faunal Observations, and Anthropogenic Impacts. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	17
277	Boron isotope composition of the cold-water coral <i>Lophelia pertusa</i> along the Norwegian margin: Zooming into a potential pH-proxy by combining bulk and high-resolution approaches. <i>Chemical Geology</i> , 2019, 513, 143-152.	1.4	17
278	Short-Term Coral Bleaching Is Not Recorded by Skeletal Boron Isotopes. <i>PLoS ONE</i> , 2014, 9, e112011.	1.1	17
279	Evaluation of annual resolution coral geochemical records as climate proxies in the Great Barrier Reef of Australia. <i>Coral Reefs</i> , 2014, 33, 965-977.	0.9	16
280	Assessment of coral $\delta^{44}Ca/\delta^{40}Ca$ as a paleoclimate proxy in the Great Barrier Reef of Australia. <i>Chemical Geology</i> , 2016, 435, 71-78.	1.4	16
281	Deconvolving the long-term impacts of ocean acidification and warming on coral biomineralisation. <i>Earth and Planetary Science Letters</i> , 2019, 526, 115785.	1.8	16
282	Anthropogenic ocean warming and acidification recorded by Sr/Ca, Li/Mg, $\delta^{11}B$ and B/Ca in <i>Porites</i> coral from the Kimberley region of northwestern Australia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 528, 50-59.	1.0	16
283	Differential response of corals to regional mass-warming events as evident from skeletal Sr/Ca and Mg/Ca ratios. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1794-1809.	1.0	15
284	Coral proxy record of decadal-scale reduction in base flow from Moloka'i, Hawaii. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	14
285	$\delta^{34}S$ character of organosulfur compounds in kerogen and bitumen fractions of sedimentary rocks. <i>Organic Geochemistry</i> , 2017, 110, 60-64.	0.9	14
286	Uranium uptake history, open-system behaviour and uranium-series ages of fossil <i>Tridacna gigas</i> from Huon Peninsula, Papua New Guinea. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 213, 475-501.	1.6	14
287	Long-Term Impacts of the 1997-1998 Bleaching Event on the Growth and Resilience of Massive <i>Porites</i> Corals From the Central Red Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 2936-2954.	1.0	14
288	Nd-Pb isotopic characteristics of the morden complex, northern territory: Mid-proterozoic potassic magmatism from an enriched mantle source. <i>Australian Journal of Earth Sciences</i> , 1989, 36, 541-551.	0.4	13

#	ARTICLE	IF	CITATIONS
289	High-resolution trace and minor element compositions in deep-water scleractinian corals ( <i>Desmophyllum dianthus</i> ) from the Mediterranean Sea and the Great Australian Bight. , 2005, , 1109-1126.		13
290	Uranium-series dating and growth characteristics of the deep-sea scleractinian coral: <i>Enallopsammia rostrata</i> from the Equatorial Pacific. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2380-2395.	1.6	13
291	Source and supply of sediment to a shoreline salient in a fringing reef environment. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 552-564.	1.2	13
292	Heat stress differentially impacts key calcification mechanisms in reef-building corals. <i>Coral Reefs</i> , 2021, 40, 459-471.	0.9	13
293	Biologically controlled Mo isotope fractionation in coral reef systems. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 262, 128-142.	1.6	12
294	Coral Records of Variable Stress Impacts and Possible Acclimatization to Recent Marine Heat Wave Events on the Northwest Shelf of Australia. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1672-1688.	1.3	12
295	Multi-trace-element sea surface temperature coral reconstruction for the southern Mozambique Channel reveals teleconnections with the tropical Atlantic. <i>Biogeosciences</i> , 2019, 16, 695-712.	1.3	12
296	Conodont apatite $\delta^{88/86}\text{Sr}$ and $\delta^{44/40}\text{Ca}$ compositions and implications for the evolution of Palaeozoic to early Mesozoic seawater. <i>Chemical Geology</i> , 2017, 453, 55-65.	1.4	10
297	Pliocene-Quaternary history of Futuna Island, south Vanuatu, southwest Pacific. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 805-814.	0.4	9
298	<i>In situ</i> Mg isotope measurements of biogenic carbonates using laser ablation multi-collector inductively coupled plasma mass spectrometry: A new tool to understand biomineralisation. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8918.	0.7	9
299	Terrestrial Signature in Coral Ba/Ca, $\delta^{18}\text{O}$ , and $\delta^{13}\text{C}$ Records From a Macroalga-Dominated Nearshore Reef Environment, Kimberley Region of Northwestern Australia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005394.	1.3	9
300	pH variability at volcanic $\text{CO}_2$ seeps regulates coral calcifying fluid chemistry. <i>Global Change Biology</i> , 2022, 28, 2751-2763.	4.2	8
301	Disappearance of <i>Acropora</i> from the Marquesas (French Polynesia) during the last deglacial period. <i>Coral Reefs</i> , 2011, 30, 1101-1105.	0.9	7
302	Diurnal cycles of coral calcifying fluid aragonite saturation state. <i>Marine Biology</i> , 2019, 166, 1.	0.7	7
303	Testing the reproducibility of Mg/Ca profiles in the deep-water coral <i>Primnoa resedaeformis</i> : putting the proxy through its paces. , 2005, , 1039-1060.		7
304	Response to Comment on "Coral Reef Death During the 1997 Indian Ocean Dipole Linked to Indonesian Wildfires". <i>Science</i> , 2004, 303, 1297b-1297.	6.0	6
305	Rapid multi-generational acclimation of coralline algal reproductive structures to ocean acidification. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210130.	1.2	6
306	U-series dating of carbonates using inductively coupled plasma-quadrupole mass spectrometry. <i>Quaternary Geochronology</i> , 2011, 6, 564-573.	0.6	5

#	ARTICLE	IF	CITATIONS
307	Impacts of coral bleaching on pH and oxygen gradients across the coral concentration boundary layer: a microsensor study. <i>Coral Reefs</i> , 2018, 37, 1169-1180.	0.9	5
308	Geochemistry of large benthic foraminifera <i>Amphisorus hemprichii</i> as a high-resolution proxy for lead pollution in coastal environments. <i>Marine Pollution Bulletin</i> , 2021, 162, 111918.	2.3	5
309	Marginal Reefs Under Stress: Physiological Limits Render Galápagos Corals Susceptible to Ocean Acidification and Thermal Stress. <i>AGU Advances</i> , 2022, 3, .	2.3	5
310	Coral calcification mechanisms in a warming ocean and the interactive effects of temperature and light. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	2.6	5
311	Impact of European settlement and land use changes on Great Barrier Reef river catchments reconstructed from long-term coral Ba/Ca records. <i>Science of the Total Environment</i> , 2022, 830, 154461.	3.9	4
312	A High-Resolution Coral-Based $\delta^{14}\text{C}$ Record of Surface Water Processes in the Western Mediterranean Sea. <i>Radiocarbon</i> , 2013, 55, .	0.8	3
313	Provenance of early archaean sediments from the northern Yilgarn Block of Western Australia: Isotopic constraints. <i>Chemical Geology</i> , 1988, 70, 146.	1.4	2
314	Crust Mantle Recycling: Inputs and Outputs. , 1989, , 203-213.		2
315	Early Differentiation of the Earth: An Isotopic Perspective. , 0, , 127-158.		2
316	Lithium isotopic compositions of the New England Batholith: correlations with inferred source rock compositions. , 2004, , .		2
317	Heavy metal incorporation in foraminiferal calcite under variable environmental and acute level seawater pollution: multi-element culture experiments for <i>Amphisorus hemprichii</i> . <i>Environmental Science and Pollution Research</i> , 2022, 29, 3826-3839.	2.7	2
318	Controls on sediment provenance in the Baghmatri river catchment, Central Himalaya, India. <i>Journal of Earth System Science</i> , 2022, 131, 1.	0.6	2
319	Deep-water coral records of glacial and recent ocean-atmosphere dynamics from the Perth Canyon in the southeast Indian Ocean. <i>Quaternary Science Advances</i> , 2022, 6, 100052.	1.1	2
320	The age and origin of unconformity-type uranium deposits, Sm-Nd and Rb-Sr isotopic evidence. <i>Chemical Geology</i> , 1988, 70, 135.	1.4	1
321	Minerogenesis of Shilu iron ores with special reference to Sm-Nd isotope geochemical characteristics of Shilu Group bimodal volcanic rocks in Hainan Island. <i>Diqiu Huaxue</i> , 1994, 13, 223-235.	0.5	0
322	Discussion and reply: Dampier Ridge, Tasman Sea, as a stranded continental fragment. <i>Australian Journal of Earth Sciences</i> , 1995, 42, 228-229.	0.4	0
323	Reply to the Comment by J. P. Hogan on "Lead isotopic evidence for deep crustal-scale fluid transport during granite petrogenesis". <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 423-426.	1.6	0