

Malcolm McCulloch

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321
papers

31,194
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91
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167
g-index

347
ext. papers

34,597
ext. citations

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avg, IF

7
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 321 | Global warming and recurrent mass bleaching of corals. <i>Nature</i> , 2017 , 543, 373-377 | 50.4 | 1539 |
| 320 | Geochemical and geodynamical constraints on subduction zone magmatism. <i>Earth and Planetary Science Letters</i> , 1991 , 102, 358-374 | 5.3 | 1102 |
| 319 | Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. <i>Science</i> , 2018 , 359, 80-83 | 33.3 | 954 |
| 318 | 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 | 5.5 | 769 |
| 317 | Precise determination of SmNd ratios, Sm and Nd isotopic abundances in standard solutions. <i>Geochimica Et Cosmochimica Acta</i> , 1981 , 45, 2311-2323 | 5.5 | 751 |
| 316 | Variability in the El Niño-Southern Oscillation through a glacial-interglacial cycle. <i>Science</i> , 2001 , 291, 1511-1513 | 33.3 | 706 |
| 315 | A simple method for the precise determination of 140 trace elements in geological samples by ICPMS using enriched isotope internal standardisation. <i>Chemical Geology</i> , 1997 , 134, 311-326 | 4.2 | 679 |
| 314 | Sm-nd and rb-sr chronology of continental crust formation. <i>Science</i> , 1978 , 200, 1003-11 | 33.3 | 597 |
| 313 | Coral record of increased sediment flux to the inner Great Barrier Reef since European settlement. <i>Nature</i> , 2003 , 421, 727-30 | 50.4 | 534 |
| 312 | 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 | 5.3 | 526 |
| 311 | Is Ocean Acidification an Open-Ocean Syndrome? Understanding Anthropogenic Impacts on Seawater pH. <i>Estuaries and Coasts</i> , 2013 , 36, 221-236 | 2.8 | 458 |
| 310 | 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 | 5.5 | 420 |
| 309 | Nd isotopic characteristics of S- and I-type granites. <i>Earth and Planetary Science Letters</i> , 1982 , 58, 51-64 | 5.3 | 411 |
| 308 | Geochemistry of loess, continental crustal composition and crustal model ages. <i>Geochimica Et Cosmochimica Acta</i> , 1983 , 47, 1897-1905 | 5.5 | 403 |
| 307 | Coral resilience to ocean acidification and global warming through pH up-regulation. <i>Nature Climate Change</i> , 2012 , 2, 623-627 | 21.4 | 399 |
| 306 | Temperature and surface-ocean water balance of the mid-holocene tropical western pacific. <i>Science</i> , 1998 , 279, 1014-8 | 33.3 | 374 |
| 305 | 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 | 5.3 | 345 |

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| 304 | Progressive growth of the Earth's continental crust and depleted mantle: Geochemical constraints. <i>Geochimica Et Cosmochimica Acta</i> , 1994 , 58, 4717-4738 | 5.5 | 313 |
| 303 | High resolution analysis of trace elements in corals by laser ablation ICP-MS. <i>Geochimica Et Cosmochimica Acta</i> , 1998 , 62, 1889-1901 | 5.5 | 279 |
| 302 | Australia's oldest human remains: age of the Lake Mungo 3 skeleton. <i>Journal of Human Evolution</i> , 1999 , 36, 591-612 | 3.1 | 275 |
| 301 | Pleistocene extinction of <i>genyornis newtoni</i> : human impact on australian megafauna. <i>Science</i> , 1999 , 283, 205-8 | 33.3 | 272 |
| 300 | Global sea-level fluctuations during the Last Interglaciatiion (MIS 5e). <i>Quaternary Science Reviews</i> , 2007 , 26, 2090-2112 | 3.9 | 253 |
| 299 | 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 | 5.3 | 251 |
| 298 | 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 | 5.5 | 242 |
| 297 | Abrupt decrease in tropical Pacific sea surface salinity at end of Little Ice Age. <i>Science</i> , 2002 , 295, 1511-1514 | 33.3 | 238 |
| 296 | Small amounts of zinc from zinc oxide particles in sunscreens applied outdoors are absorbed through human skin. <i>Toxicological Sciences</i> , 2010 , 118, 140-9 | 4.4 | 236 |
| 295 | The origins of ultrapotassic rocks as inferred from Sr, Nd and Pb isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 1986 , 50, 231-245 | 5.5 | 232 |
| 294 | Sm-Nd, Rb-Sr, and $18O/16O$ isotopic systematics in an oceanic crustal section: Evidence from the Samail Ophiolite. <i>Journal of Geophysical Research</i> , 1981 , 86, 2721-2735 | | 232 |
| 293 | U-series and ESR analyses of bones and teeth relating to the human burials from Skhul. <i>Journal of Human Evolution</i> , 2005 , 49, 316-34 | 3.1 | 231 |
| 292 | Coprecipitation and isotopic fractionation of boron in modern biogenic carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 1991 , 55, 2901-2910 | 5.5 | 230 |
| 291 | Early (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 | 5.3 | 225 |
| 290 | 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 | | 224 |
| 289 | Characterisation of a plume-related ~ 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 | 5.3 | 215 |
| 288 | 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 | 5.3 | 208 |
| 287 | 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 | 3.9 | 207 |

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| 286 | 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 | 5.5 | 205 |
| 285 | Origin and migration of the Alpine Iceman. <i>Science</i> , 2003 , 302, 862-6 | 33.3 | 185 |
| 284 | ¹⁴³ Nd/ ¹⁴⁴ Nd, ⁸⁷ Sr/ ⁸⁶ Sr and trace element constraints on the petrogenesis of Aleutian island arc magmas. <i>Earth and Planetary Science Letters</i> , 1981 , 56, 167-179 | 5.3 | 177 |
| 283 | Boninite petrogenesis: Chemical and Nd-Sr isotopic constraints. <i>Earth and Planetary Science Letters</i> , 1983 , 65, 75-89 | 5.3 | 176 |
| 282 | A three-component Sr-Nd isotopic mixing model for granitoid genesis, Lachlan fold belt, eastern Australia. <i>Geology</i> , 1997 , 25, 307 | 5 | 175 |
| 281 | 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 | 3.9 | 175 |
| 280 | Coral reef death during the 1997 Indian Ocean Dipole linked to Indonesian wildfires. <i>Science</i> , 2003 , 301, 952-5 | 33.3 | 172 |
| 279 | 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 | 5.5 | 171 |
| 278 | 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 | 5.3 | 171 |
| 277 | Geochemical and Isotopic Constraints on the Origin of the Jurassic Dolerites of Tasmania. <i>Journal of Petrology</i> , 1989 , 30, 841-883 | 3.9 | 170 |
| 276 | 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 | 5.3 | 170 |
| 275 | Nd and Sr isotopes in kimberlites and lamproites from Western Australia: an enriched mantle origin. <i>Nature</i> , 1983 , 302, 400-403 | 50.4 | 164 |
| 274 | <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 | 5.5 | 162 |
| 273 | Rapid fluctuations in sea level recorded at huon peninsula during the penultimate deglaciation. <i>Science</i> , 1999 , 283, 197-201 | 33.3 | 161 |
| 272 | Preindustrial to modern interdecadal variability in coral reef pH. <i>Science</i> , 2005 , 309, 2204-7 | 33.3 | 160 |
| 271 | 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 | 5.5 | 159 |
| 270 | Quantifying the pH vital 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 | 5.3 | 157 |
| 269 | 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 | 5.5 | 153 |

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| 268 | 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 | 1.9 | 148 |
| 267 | Seasonal characteristics of the Indian Ocean Dipole during the Holocene epoch. <i>Nature</i> , 2007 , 445, 299-304 | 3.24 | 142 |
| 266 | 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 | 5.5 | 142 |
| 265 | 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 | 5.5 | 140 |
| 264 | Genesis of granitoid batholiths of Peninsular Malaysia and implications for models of crustal evolution: Evidence from a Nd/Sr isotopic and U/Pb zircon study. <i>Geochimica Et Cosmochimica Acta</i> , 1985 , 49, 587-600 | 5.5 | 140 |
| 263 | Barium and neodymium isotopic anomalies in the Allende meteorite. <i>Astrophysical Journal</i> , 1978 , 220, L15 | 4.7 | 139 |
| 262 | Magma Genesis and Mantle Heterogeneity in the Manus Back-Arc Basin, Papua New Guinea. <i>Journal of Petrology</i> , 2003 , 44, 159-195 | 3.9 | 135 |
| 261 | Pb/Br/Nd 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 | 3.5 | 131 |
| 260 | 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 | 5.5 | 131 |
| 259 | The Rayner Complex of East Antarctica: complex isotopic systematics within a Proterozoic mobile belt. <i>Journal of Metamorphic Geology</i> , 1987 , 5, 1-26 | 4.4 | 130 |
| 258 | The coral record of last interglacial sea levels and sea surface temperatures. <i>Chemical Geology</i> , 2000 , 169, 107-129 | 4.2 | 126 |
| 257 | 500 ka precipitation record from southeastern Australia: Evidence for interglacial relative aridity. <i>Geology</i> , 1998 , 26, 147 | 5 | 126 |
| 256 | Evidence for ocean acidification in the Great Barrier Reef of Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 2332-2346 | 5.5 | 125 |
| 255 | 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 | 5.3 | 124 |
| 254 | 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 | 2.8 | 124 |
| 253 | Limits to the thermal tolerance of corals adapted to a highly fluctuating, naturally extreme temperature environment. <i>Scientific Reports</i> , 2015 , 5, 17639 | 4.9 | 123 |
| 252 | 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 | 5.3 | 123 |
| 251 | Coral record of equatorial sea-surface temperatures during the penultimate deglaciation at huon peninsula. <i>Science</i> , 1999 , 283, 202-4 | 33.3 | 120 |

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| 250 | 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 | 5.3 | 118 |
| 249 | 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 | 3.5 | 117 |
| 248 | 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 | 5.5 | 117 |
| 247 | SmNd age of Kambalda and Kanowna greenstones and heterogeneity in the Archaean mantle. <i>Nature</i> , 1981 , 294, 322-327 | 50.4 | 116 |
| 246 | Geochemical and SmNd isotopic study of Neoproterozoic ophiolites from southeastern China: petrogenesis and tectonic implications. <i>Precambrian Research</i> , 1997 , 81, 129-144 | 3.9 | 112 |
| 245 | 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 | 2.9 | 112 |
| 244 | Boron isotope geochemistry of Australian salt lakes. <i>Geochimica Et Cosmochimica Acta</i> , 1991 , 55, 2591-2606 | 5.0 | 111 |
| 243 | 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 | 5.3 | 110 |
| 242 | 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 | 5.5 | 109 |
| 241 | Phasing and amplitude of sea-level and climate change during the penultimate interglacial. <i>Nature Geoscience</i> , 2009 , 2, 355-359 | 18.3 | 108 |
| 240 | 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 | | 108 |
| 239 | Orbital forcing of the marine isotope stage 9 interglacial. <i>Science</i> , 2001 , 291, 290-3 | 33.3 | 106 |
| 238 | 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 | 2.9 | 103 |
| 237 | 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 | 5.3 | 103 |
| 236 | Coupling of in-situ SmNd systematics and U/Pb dating of monazite and allanite with applications to crustal evolution studies. <i>Chemical Geology</i> , 2007 , 245, 45-60 | 4.2 | 100 |
| 235 | Regional geochemical and isotopic characteristics of high-grade metamorphics of the Prydz bay area: The extent of proterozoic reworking of Archaean continental crust in East Antarctica. <i>Precambrian Research</i> , 1984 , 26, 169-198 | 3.9 | 100 |
| 234 | The southeast Australian lithospheric mantle: isotopic and geochemical constraints on its growth and evolution. <i>Earth and Planetary Science Letters</i> , 1987 , 86, 327-340 | 5.3 | 99 |
| 233 | Examining water temperature proxies in <i>Porites</i> corals from the Great Barrier Reef: a cross-shelf comparison. <i>Coral Reefs</i> , 2003 , 22, 389-404 | 4.2 | 97 |

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| 232 | Sm-Nd and U-Pb zircon isotopic constraints on the provenance of sediments from the Amadeus Basin, central Australia: Evidence for REE fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 1992 , 56, 921-940 | 5.5 | 97 |
| 231 | Routine lead isotope determinations using a lead-207/lead-204 double spike: a long-term assessment of analytical precision and accuracy. <i>Analyst, The</i> , 1995 , 120, 35-39 | 5 | 92 |
| 230 | Suborbital-period sea-level oscillations during marine isotope substages 5a and 5c. <i>Earth and Planetary Science Letters</i> , 2004 , 225, 191-204 | 5.3 | 91 |
| 229 | Sr isotope constraints on the Mediterranean environment at the end of the Messinian salinity crisis. <i>Nature</i> , 1989 , 342, 62-65 | 50.4 | 91 |
| 228 | Physical and biological controls on the carbonate chemistry of coral reef waters: effects of metabolism, wave forcing, sea level, and geomorphology. <i>PLoS ONE</i> , 2013 , 8, e53303 | 3.7 | 89 |
| 227 | Petrology, geochronology and isotope geochemistry of the post-1820 Ma granites of the Mount Isa Inlier: mechanisms for the generation of Proterozoic anorogenic granites. <i>Precambrian Research</i> , 1988 , 40-41, 509-541 | 3.9 | 88 |
| 226 | East African soil erosion recorded in a 300 year old coral colony from Kenya. <i>Geophysical Research Letters</i> , 2007 , 34, | 4.9 | 86 |
| 225 | Aeolian contribution to strontium and strontium isotope variations in a Tasmanian speleothem. <i>Chemical Geology</i> , 1998 , 149, 37-50 | 4.2 | 85 |
| 224 | Biological mechanisms supporting adaptation to ocean acidification in coastal ecosystems. <i>Estuarine, Coastal and Shelf Science</i> , 2015 , 152, A1-A8 | 2.9 | 84 |
| 223 | Corals record low mobile barium concentrations in the Burdekin River during the 1974 flood: evidence for limited Ba supply to rivers?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004 , 214, 155-174 | 2.9 | 84 |
| 222 | Marine heatwave causes unprecedented regional mass bleaching of thermally resistant corals in northwestern Australia. <i>Scientific Reports</i> , 2017 , 7, 14999 | 4.9 | 83 |
| 221 | Evolution of the early Earth: Constraints from $^{143}\text{Nd}/^{142}\text{Nd}$ isotopic systematics. <i>Lithos</i> , 1993 , 30, 237-255 | | 82 |
| 220 | Li/Mg systematics in scleractinian corals: Calibration of the thermometer. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 132, 288-310 | 5.5 | 79 |
| 219 | Interactive effects of ontogeny, food ration and temperature on elemental incorporation in otoliths of a coral reef fish. <i>Environmental Biology of Fishes</i> , 2010 , 89, 441-451 | 1.6 | 79 |
| 218 | Tracing the life history of individual barramundi using laser ablation MC-ICP-MS Sr-isotopic and Sr/Ba ratios in otoliths. <i>Marine and Freshwater Research</i> , 2005 , 56, 637 | 2.2 | 79 |
| 217 | Radiocarbon-based ages and growth rates of bamboo corals from the Gulf of Alaska. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a | 4.9 | 79 |
| 216 | 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 | 5.5 | 78 |
| 215 | 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 | 3.5 | 78 |

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| 214 | Coral calcification in a changing World and the interactive dynamics of pH and DIC upregulation. <i>Nature Communications</i> , 2017 , 8, 15686 | 17.4 | 77 |
| 213 | The role of subducted slabs in an evolving Earth. <i>Earth and Planetary Science Letters</i> , 1993 , 115, 89-100 | 5.3 | 77 |
| 212 | Geochemistry of Pliocene to Quaternary alkali basalts from the Huri Hills, northern Kenya. <i>Chemical Geology</i> , 1994 , 113, 1-22 | 4.2 | 76 |
| 211 | 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 | 3.9 | 75 |
| 210 | Chemical geodynamics in the back-arc region of Japan based on the trace element and Sr?Nd isotopic compositions. <i>Tectonophysics</i> , 1990 , 174, 207-233 | 3.1 | 74 |
| 209 | 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 | 5.3 | 73 |
| 208 | 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 | 4.2 | 73 |
| 207 | Submarine basalts from the Red Sea: New Pb, Sr, and Nd isotopic data. <i>Geophysical Research Letters</i> , 1993 , 20, 927-930 | 4.9 | 73 |
| 206 | Lead isotopic evidence for deep crustal-scale fluid transport during granite petrogenesis. <i>Geochimica Et Cosmochimica Acta</i> , 1993 , 57, 659-674 | 5.5 | 73 |
| 205 | Plume versus lithospheric sources for melts at Ua Pou, Marquesas Islands. <i>Nature</i> , 1986 , 322, 534-538 | 50.4 | 73 |
| 204 | Timing and exhumation of eclogite facies shear zones, Musgrave Block, central Australia. <i>Journal of Metamorphic Geology</i> , 1997 , 15, 735-751 | 4.4 | 71 |
| 203 | Phosphorus in cold-water corals as a proxy for seawater nutrient chemistry. <i>Science</i> , 2006 , 312, 1788-91 | 33.3 | 71 |
| 202 | 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 | 2.9 | 71 |
| 201 | Geochemical and Sr?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 | 3.9 | 70 |
| 200 | Impact of skeletal dissolution and secondary aragonite on trace element and isotopic climate proxies in Porites corals. <i>Paleoceanography</i> , 2007 , 22, n/a-n/a | | 70 |
| 199 | Sources of mineralising fluids for the Olympic Dam deposit (South Australia) : Sm?Nd isotopic constraints. <i>Chemical Geology</i> , 1995 , 121, 177-199 | 4.2 | 70 |
| 198 | Effects of sedimentary sorting on neodymium isotopes in deep-sea turbidites. <i>Nature</i> , 1989 , 337, 547-549 | 40.4 | 69 |
| 197 | Sm-Nd isotopic constraints on the evolution of Precambrian crust in the Australian continent. <i>Geodynamic Series</i> , 1987 , 115-130 | | 69 |

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| 196 | Corals record long-term Leeuwin current variability including Ningaloo Ni ⁶³ /Ni ⁶⁶ since 1795. <i>Nature Communications</i> , 2014 , 5, 3607 | 17.4 | 68 |
| 195 | Early Archean crustal evolution of the Jack Hills Zircon source terrane inferred from Lu/Hf, ²⁰⁷ Pb/ ²⁰⁶ Pb, and ¹⁸ O systematics of Jack Hills zircons. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 4816-4829 | 5.5 | 68 |
| 194 | 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, 602-19 | 3.1 | 68 |
| 193 | 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 | 5.5 | 68 |
| 192 | Geochemical and Sr?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 | 3.9 | 67 |
| 191 | Basalt basement from the Kerguelen Plateau and the trail of a Dupal plume. <i>Contributions To Mineralogy and Petrology</i> , 1989 , 103, 457-469 | 3.5 | 66 |
| 190 | The isotopic and elemental abundance of ytterbium in meteorites and terrestrial samples. <i>Geochimica Et Cosmochimica Acta</i> , 1977 , 41, 1703-1707 | 5.5 | 66 |
| 189 | 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, 313-8 | 10.2 | 65 |
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