

# Stephen M Eggin

## List of Publications by Year in descending order

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141  
papers

13,108  
citations

15504

65  
h-index

22832

112  
g-index

146  
all docs

146  
docs citations

146  
times ranked

9254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zircon Hf-isotope analysis with an excimer laser, depth profiling, ablation of complex geometries, and concomitant age estimation. <i>Chemical Geology</i> , 2004, 209, 121-135.	3.3	813
2	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.	3.3	760
3	Hafnium isotope evidence for $\hat{\epsilon}$ -conservative <sup>TM</sup> element mobility during subduction zone processes. <i>Earth and Planetary Science Letters</i> , 2001, 192, 331-346.	4.4	643
4	High field strength and transition element systematics in island arc and back-arc basin basalts: Evidence for multi-phase melt extraction and a depleted mantle wedge. <i>Earth and Planetary Science Letters</i> , 1993, 114, 491-504.	4.4	565
5	The composition of peridotites and their minerals: a laser-ablation ICP-MS study. <i>Earth and Planetary Science Letters</i> , 1998, 154, 53-71.	4.4	379
6	Earliest evidence of modern human life history in North African early <i>Homo sapiens</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6128-6133.	7.1	326
7	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.	2.6	282
8	Zirconium abundance in granulite-facies minerals, with implications for zircon geochronology in high-grade rocks. <i>Geology</i> , 1997, 25, 607.	4.4	276
9	The effect of melt composition on trace element partitioning: an experimental investigation of the activity coefficients of FeO, NiO, CoO, MoO <sub>2</sub> and MoO <sub>3</sub> in silicate melts. <i>Chemical Geology</i> , 2002, 186, 151-181.	3.3	271
10	Mg/Ca variation in planktonic foraminifera tests: implications for reconstructing palaeo-seawater temperature and habitat migration. <i>Earth and Planetary Science Letters</i> , 2003, 212, 291-306.	4.4	264
11	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.	3.0	257
12	The origin of island arc high-alumina basalts. <i>Contributions To Mineralogy and Petrology</i> , 1987, 97, 417-430.	3.1	235
13	Modulation and daily banding of Mg/Ca in tests by symbiont photosynthesis and respiration: a complication for seawater thermometry?. <i>Earth and Planetary Science Letters</i> , 2004, 225, 411-419.	4.4	197
14	Origin and differentiation of picritic arc magmas, Ambae (Aoba), Vanuatu. <i>Contributions To Mineralogy and Petrology</i> , 1993, 114, 79-100.	3.1	183
15	Combined Separation of Cu, Fe and Zn from Rock Matrices and Improved Analytical Protocols for Stable Isotope Determination. <i>Geostandards and Geoanalytical Research</i> , 2015, 39, 129-149.	3.1	183
16	Interlaboratory comparison study of calibration standards for foraminiferal Mg/Ca thermometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	168
17	H <sub>2</sub> O Abundance in Depleted to Moderately Enriched Mid-ocean Ridge Magmas; Part I: Incompatible Behaviour, Implications for Mantle Storage, and Origin of Regional Variations. <i>Journal of Petrology</i> , 2000, 41, 1329-1364.	2.8	167
18	Compositional Heterogeneity in NIST SRM 610-617 Glasses. <i>Geostandards and Geoanalytical Research</i> , 2002, 26, 269-286.	3.1	162

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19	An integrated model for the temporal evolution of andesites and rhyolites and crustal development in New Zealand's North Island. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 140, 1-24.	2.1	157
20	Laser Ablation ICP-MS Analysis of Geological Materials Prepared as Lithium Borate Glasses. <i>Geostandards and Geoanalytical Research</i> , 2003, 27, 147-162.	3.1	156
21	Zr budgets for metamorphic reactions, and the formation of zircon from garnet breakdown. <i>Mineralogical Magazine</i> , 2001, 65, 749-758.	1.4	154
22	Characterization of Mg/Ca distributions in planktonic foraminifera species by electron microprobe mapping. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	151
23	Primary magmas and mantle temperatures. <i>European Journal of Mineralogy</i> , 2001, 13, 437-451.	1.3	144
24	Identification and removal of Mn-Mg-rich contaminant phases on foraminiferal tests: Implications for Mg/Ca past temperature reconstructions. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	143
25	Enhanced mantle-to-crust rhenium transfer in undegassed arc magmas. <i>Nature</i> , 2003, 422, 294-297.	27.8	131
26	Chemical systematics of conodont apatite determined by laser ablation ICPMS. <i>Chemical Geology</i> , 2006, 233, 196-216.	3.3	130
27	Phenocryst and melt inclusion chemistry of near-axis seamounts, Valu Fa Ridge, Lau Basin: insight into mantle wedge melting and the addition of subduction components. <i>Earth and Planetary Science Letters</i> , 1997, 151, 205-223.	4.4	122
28	Rhenium systematics in submarine MORB and back-arc basin glasses: laser ablation ICP-MS results. <i>Chemical Geology</i> , 2003, 196, 259-281.	3.3	122
29	The influence of salinity on Mg/Ca in planktic foraminifers – Evidence from cultures, core-top sediments and complementary $\delta^{18}\text{O}$ . <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 196-213.	3.9	122
30	Trace element proxies for surface ocean conditions: A synthesis of culture calibrations with planktic foraminifera. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 193, 197-221.	3.9	119
31	Microbeam characterization of coning archeological reference glasses: New additions to the Smithsonian Microbeam Standard collection. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2002, 107, 719.	1.2	116
32	$^{238}\text{U}$ , $^{232}\text{Th}$ profiling and U-series isotope analysis of fossil teeth by laser ablation-ICPMS. <i>Quaternary Science Reviews</i> , 2003, 22, 1373-1382.	3.0	114
33	Calcic melt inclusions in primitive olivine at $43^\circ\text{N}$ MAR: evidence for melt-rock reaction/melting involving clinopyroxene-rich lithologies during MORB generation. <i>Earth and Planetary Science Letters</i> , 1998, 160, 115-132.	4.4	113
34	Rate of growth of the preserved North American continental crust: Evidence from Hf and O isotopes in Mississippi detrital zircons. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 712-728.	3.9	113
35	Timing and mechanism for intratest Mg/Ca variability in a living planktic foraminifer. <i>Earth and Planetary Science Letters</i> , 2015, 409, 32-42.	4.4	113
36	Peridotite xenoliths from Grenada, Lesser Antilles Island Arc. <i>Contributions To Mineralogy and Petrology</i> , 2003, 146, 241-262.	3.1	112

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37	Mapping of bioavailable strontium isotope ratios in France for archaeological provenance studies. <i>Applied Geochemistry</i> , 2018, 90, 75-86.	3.0	109
38	East African soil erosion recorded in a 300 year old coral colony from Kenya. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	108
39	Uncertainties in seawater thermometry deriving from intratest and intertest Mg/Ca variability in <i>Globigerinoides ruber</i> . <i>Paleoceanography</i> , 2008, 23, .	3.0	106
40	Multiple mantle plume components involved in the petrogenesis of subduction-related lavas from the northern termination of the Tonga Arc and northern Lau Basin: Evidence from the geochemistry of arc and backarc submarine volcanics. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, .	2.5	105
41	Lithospheric Mantle Evolution beneath the Eifel (Germany): Constraints from Sr-Nd-Pb Isotopes and Trace Element Abundances in Spinel Peridotite and Pyroxenite Xenoliths. <i>Journal of Petrology</i> , 2003, 44, 1077-1095.	2.8	96
42	Petrogenesis and Geochemistry of Archean Komatiites. <i>Journal of Petrology</i> , 2016, 57, 147-184.	2.8	96
43	Enriched End-member of Primitive MORB Melts: Petrology and Geochemistry of Glasses from Macquarie Island (SW Pacific). <i>Journal of Petrology</i> , 2000, 41, 411-430.	2.8	95
44	On the age of Border Cave 5 human mandible. <i>Journal of Human Evolution</i> , 2003, 45, 155-167.	2.6	94
45	Enrichment of Rh, Ru, Ir and Os in Cr spinels from oxidized magmas: Evidence from the Ambae volcano, Vanuatu. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 78, 28-50.	3.9	94
46	Petrogenesis of Hawaiian tholeiites: 1, phase equilibria constraints. <i>Contributions To Mineralogy and Petrology</i> , 1992, 110, 387-397.	3.1	93
47	Laser ablation U-series analysis of fossil bones and teeth. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 416, 150-167.	2.3	93
48	Planktic foraminifera form their shells via metastable carbonate phases. <i>Nature Communications</i> , 2017, 8, 1265.	12.8	91
49	Constancy of Nb/U in the mantle revisited. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3542-3549.	3.9	90
50	Planktic foraminifers as recorders of seawater Ba/Ca. <i>Marine Micropaleontology</i> , 2011, 79, 52-57.	1.2	87
51	Olivine-enriched melt inclusions in chromites from low-Ca boninites, Cape Vogel, Papua New Guinea: evidence for ultramafic primary magma, refractory mantle source and enriched components. <i>Chemical Geology</i> , 2002, 183, 287-303.	3.3	86
52	Crustal origin for coupled 'ultra-depleted' and 'plagioclase' signatures in MORB olivine-hosted melt inclusions: evidence from the Siqueiros Transform Fault, East Pacific Rise. <i>Contributions To Mineralogy and Petrology</i> , 2003, 144, 619-637.	3.1	86
53	Microchemical evidence for episodic growth of antitaxial veins during fracture-controlled fluid flow. <i>Earth and Planetary Science Letters</i> , 2006, 250, 331-344.	4.4	83
54	Surface and subsurface seawater temperature reconstruction using Mg/Ca microanalysis of planktonic foraminifera <i>Globigerinoides ruber</i> , <i>Globigerinoides sacculifer</i> , and <i>Pulleniatina obliquiloculata</i> . <i>Paleoceanography</i> , 2009, 24, .	3.0	83

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55	Analysis of Re, Au, Pd, Pt and Rh in NIST Glass Certified Reference Materials and Natural Basalt Glasses by Laser Ablation ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 1997, 21, 215-229.	3.1	81
56	Controls on boron incorporation in cultured tests of the planktic foraminifer <i>Orbulina universa</i> . <i>Earth and Planetary Science Letters</i> , 2011, 309, 291-301.	4.4	81
57	Silicon isotopic fractionation in marine sponges: A new model for understanding silicon isotopic variations in sponges. <i>Earth and Planetary Science Letters</i> , 2010, 292, 281-289.	4.4	79
58	Evidence for rhenium enrichment in the mantle wedge from submarine arc-like volcanic glasses (Papua New Guinea). <i>Geology</i> , 2003, 31, 845.	4.4	76
59	Responses of the deep ocean carbonate system to carbon reorganization during the Last Glacial-interglacial cycle. <i>Quaternary Science Reviews</i> , 2013, 76, 39-52.	3.0	76
60	The solubility and oxidation state of tungsten in silicate melts: Implications for the comparative chemistry of W and Mo in planetary differentiation processes. <i>Chemical Geology</i> , 2008, 255, 346-359.	3.3	72
61	Characterization of contaminant phases in foraminifera carbonates by electron microprobe mapping. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	71
62	Improvement of laser ablation in situ micro-analysis to identify diagenetic alteration and measure strontium isotope ratios in fossil human teeth. <i>Journal of Archaeological Science</i> , 2016, 70, 102-116.	2.4	71
63	Petrogenesis of the Greenhills Complex, Southland, New Zealand: magmatic differentiation and cumulate formation at the roots of a Permian island-arc volcano. <i>Contributions To Mineralogy and Petrology</i> , 2003, 144, 703-721.	3.1	69
64	Environmental controls on B/Ca in calcite tests of the tropical planktic foraminifer species <i>Globigerinoides ruber</i> and <i>Globigerinoides sacculifer</i> . <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 270-280.	4.4	69
65	Volatile exsolution at the Dinkidi Cu-Au porphyry deposit, Philippines: A melt-inclusion record of the initial ore-forming process. <i>Geology</i> , 1999, 27, 691.	4.4	65
66	The geochemical evolution of the Izu-Bonin arc system: A perspective from tephra recovered by deep-sea drilling. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, n/a-n/a.	2.5	65
67	Dating the skull from Broken Hill, Zambia, and its position in human evolution. <i>Nature</i> , 2020, 580, 372-375.	27.8	63
68	Petrogenesis of Hawaiian tholeiites: 2, aspects of dynamic melt segregation. <i>Contributions To Mineralogy and Petrology</i> , 1992, 110, 398-410.	3.1	62
69	ESR and U-series analyses of faunal material from Cuddie Springs, NSW, Australia: implications for the timing of the extinction of the Australian megafauna. <i>Quaternary Science Reviews</i> , 2010, 29, 596-610.	3.0	62
70	The IRHUM (Isotopic Reconstruction of Human Migration) database - bioavailable strontium isotope ratios for geochemical fingerprinting in France. <i>Earth System Science Data</i> , 2014, 6, 117-122.	9.9	60
71	Volatile contents of Kermadec Arc-Havre Trough pillow glasses: Fingerprinting slab-derived aqueous fluids in the mantle sources of arc and back-arc lavas. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 152, 51-73.	2.1	52
72	Two mantle domains and the time scales of fluid transfer beneath the Vanuatu arc. <i>Geology</i> , 1999, 27, 963.	4.4	49

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73	ESR and U-series analyses of enamel and dentine fragments of the Banyoles mandible. <i>Journal of Human Evolution</i> , 2006, 50, 347-358.	2.6	49
74	U-series dating of bone in an open system: The diffusion-adsorption-decay model. <i>Quaternary Geochronology</i> , 2012, 9, 42-53.	1.4	49
75	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.	3.3	47
76	Assessment and forensic application of laser-induced breakdown spectroscopy (LIBS) for the discrimination of Australian window glass. <i>Forensic Science International</i> , 2014, 241, 46-54.	2.2	47
77	Effects of seafloor and laboratory dissolution on the Mg/Ca composition of <i>Globigerinoides sacculifer</i> and <i>Orbulina universa</i> tests – A laser ablation ICPMS microanalysis perspective. <i>Earth and Planetary Science Letters</i> , 2010, 292, 312-324.	4.4	46
78	Optimizing LA-ICP-MS analytical procedures for elemental depth profiling of foraminifera shells. <i>Chemical Geology</i> , 2015, 407-408, 2-9.	3.3	46
79	Newly recognized Pleistocene human teeth from Tabun Cave, Israel. <i>Journal of Human Evolution</i> , 2005, 49, 301-315.	2.6	45
80	Systematics of metals, metalloids, and volatiles in MORB melts: Effects of partial melting, crystal fractionation and degassing (a case study of Macquarie Island glasses). <i>Chemical Geology</i> , 2012, 302-303, 76-86.	3.3	45
81	Laser ablation–inductively coupled plasma–mass spectrometry and tephras: A new approach to understanding arc-magma genesis. <i>Geology</i> , 1999, 27, 1119.	4.4	43
82	Igneous rocks of the Brook Street Terrane, New Zealand: Implications for Permian tectonics of eastern Gondwana and magma genesis in modern intra-oceanic volcanic arcs. <i>New Zealand Journal of Geology, and Geophysics</i> , 2005, 48, 167-183.	1.8	43
83	Primitive island arc and oceanic lavas from the hunter ridge-hunter fracture zone. Evidence from glass, olivine and spinel compositions. <i>Mineralogy and Petrology</i> , 1992, 47, 149-169.	1.1	42
84	Hominid Cave at Thomas Quarry I (Casablanca, Morocco): Recent findings and their context. <i>Quaternary International</i> , 2010, 223-224, 369-382.	1.5	40
85	Coupled Hf–Nd–Pb isotope co-variations of HIMU oceanic island basalts from Mangaia, Cook-Austral islands, suggest an Archean source component in the mantle transition zone. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 112, 87-101.	3.9	40
86	Confirmation of a late middle Pleistocene age for the Omo Kibish 1 cranium by direct uranium-series dating. <i>Journal of Human Evolution</i> , 2012, 63, 704-710.	2.6	39
87	Growth and chronology of the rhodolith-forming, coralline red alga <i>Sporolithon durum</i> . <i>Marine Ecology - Progress Series</i> , 2013, 474, 105-119.	1.9	38
88	The Paleocene–Eocene Thermal Maximum at DSDP Site 277, Campbell Plateau, southern Pacific Ocean. <i>Climate of the Past</i> , 2015, 11, 1009-1025.	3.4	38
89	Using melt inclusions to determine parent-magma compositions of layered intrusions: Application to the Greenhills Complex (New Zealand), a platinum group minerals-bearing, island-arc intrusion. <i>Geology</i> , 2000, 28, 991.	4.4	37
90	Last interglacial (MIS 5e) sea-level determined from a tectonically stable, far-field location, Eyre Peninsula, southern Australia. <i>Australian Journal of Earth Sciences</i> , 2016, 63, 611-630.	1.0	37

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91	Micron-scale intrashell oxygen isotope variation in cultured planktic foraminifers. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 107, 267-278.	3.9	36
92	An evaluation of the use of reptile dermal scutes as a non-invasive method to monitor mercury concentrations in the environment. <i>Chemosphere</i> , 2015, 119, 163-170.	8.2	35
93	Ostracodes and Their Shell Chemistry: Implications for Paleohydrologic and Paleoclimatologic Applications. <i>The Paleontological Society Papers</i> , 2003, 9, 119-152.	0.6	33
94	Calcification rate and shell chemistry response of the planktic foraminifer <i>Orbulina universa</i> to changes in microenvironment seawater carbonate chemistry. <i>Earth and Planetary Science Letters</i> , 2017, 464, 124-134.	4.4	33
95	Oxygen isotope geochemistry of Laurentide ice-sheet meltwater across Termination I. <i>Quaternary Science Reviews</i> , 2017, 178, 102-117.	3.0	33
96	In situ measurement of hafnium isotopes in rutile by LA-MC-ICPMS: Protocol and applications. <i>Chemical Geology</i> , 2011, 281, 72-82.	3.3	32
97	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.	3.0	31
98	Assessment of Mg/Ca in <i>Saccostrea glomerata</i> (the Sydney rock oyster) shell as a potential temperature record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 484, 79-88.	2.3	30
99	Evolution of mantle-derived, augite-hypersthene granodiorites by crystal-liquid fractionation: Barrington Tops Batholith, eastern Australia. <i>Lithos</i> , 1987, 20, 295-310.	1.4	29
100	Late Miocene marine tephra beds: Recorders of rhyolitic volcanism in North Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1998, 41, 165-178.	1.8	28
101	LAtools: A data analysis package for the reproducible reduction of LA-ICPMS data. <i>Chemical Geology</i> , 2019, 504, 83-95.	3.3	27
102	Electron spin resonance dating of South Australian megafauna sites. <i>Australian Journal of Earth Sciences</i> , 2008, 55, 917-935.	1.0	26
103	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.	3.3	26
104	U-series dating of the Late Pleistocene mammalian fauna from Wood Quarry (Steetley), Nottinghamshire, UK. <i>Journal of Quaternary Science</i> , 2005, 20, 59-65.	2.1	25
105	Radiocarbon evidence for mid-late Holocene changes in southwest Pacific Ocean circulation. <i>Paleoceanography</i> , 2016, 31, 971-985.	3.0	25
106	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.	3.3	24
107	Effect of dissolved oxygen concentration on planktonic foraminifera through laboratory culture experiments and implications for oceanic anoxic events. <i>Marine Micropaleontology</i> , 2013, 101, 28-32.	1.2	24
108	Precise determination of Sr/Ca by laser ablation ICP-MS compared to ICP-AES and application to multi-century temperate corals. <i>Geochemical Journal</i> , 2014, 48, 145-152.	1.0	24

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109	The Tasmantid Seamounts: shallow melting and contamination of an EM1 mantle plume. <i>Earth and Planetary Science Letters</i> , 1991, 107, 448-462.	4.4	23
110	Calcification responses to diurnal variation in seawater carbonate chemistry by the coral <i>Acropora formosa</i> . <i>Coral Reefs</i> , 2017, 36, 763-772.	2.2	23
111	Recruitment sources of brown trout identified by otolith trace element signatures. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2011, 45, 395-411.	2.0	22
112	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.	1.4	21
113	Constraining multiple controls on planktic foraminifera Mg/Ca. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 116-136.	3.9	21
114	Microchemistry and microstructures of hydrothermally altered shock-metamorphosed basement gneiss, Woodleigh impact structure, Southern Carnarvon Basin, Western Australia. <i>Australian Journal of Earth Sciences</i> , 2005, 52, 555-573.	1.0	20
115	Micro-characterisation of cassiterite by geology, texture and zonation: A case study of the Karagwe Ankole Belt, Rwanda. <i>Ore Geology Reviews</i> , 2020, 124, 103609.	2.7	20
116	Temporal Variations in U-series Disequilibria in an Active Caldera, Rabaul, Papua New Guinea. <i>Journal of Petrology</i> , 2009, 50, 507-529.	2.8	19
117	Unravelling the Consequences of SO <sub>2</sub> Basalt Reactions for Geochemical Fractionation and Mineral Formation. <i>Reviews in Mineralogy and Geochemistry</i> , 2018, 84, 257-283.	4.8	18
118	Westward migration of Pacific Ocean upper mantle into the Southern Ocean region between Australia and Antarctica. <i>Geology</i> , 1995, 23, 511.	4.4	17
119	DATING OF THE HOMINID ( <i>HOMO NEANDERTHALENSIS</i> ) REMAINS ACCUMULATION FROM EL SIDRÁN CAVE (PILOÑA, ASTURIAS, NORTH SPAIN): AN EXAMPLE OF A MULTIMETHODOLOGICAL APPROACH TO THE DATING OF UPPER PLEISTOCENE SITES. <i>Archaeometry</i> , 2010, 52, 680-705.	1.3	17
120	Geochemistry and significance of basaltic rocks dredged from the South Tasman Rise and adjacent seamounts. <i>Australian Journal of Earth Sciences</i> , 1997, 44, 621-632.	1.0	16
121	Maternally transmitted isotopes and their effects on larval fish: a validation of dual isotopic marks within a meta-analysis context. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014, 71, 387-397.	1.4	16
122	Modern Tasman Sea surface reservoir ages from deep-sea black corals. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 99, 207-212.	1.4	14
123	Sea-surface temperature reconstruction from trace elements variations of tropical coralline red algae. <i>Quaternary Science Reviews</i> , 2014, 93, 34-46.	3.0	14
124	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.	3.9	14
125	( <sup>210</sup> Pb/ <sup>226</sup> Ra) variations during the 1994-2001 intracaldera volcanism at Rabaul Caldera. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 184, 416-426.	2.1	13
126	Analytical Techniques for Probing Small-Scale Layers that Preserve Information on Gas-Solid Interactions. <i>Reviews in Mineralogy and Geochemistry</i> , 2018, 84, 103-175.	4.8	13



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127	The 1994–2001 eruptive period at Rabaul, Papua New Guinea: Petrological and geochemical evidence for basalt injections into a shallow dacite magma reservoir, and significant SO <sub>2</sub> flux. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 345, 200-217.	2.1	12
128	Oxygen isotope records of the Australian flat oyster ( <i>Ostrea angasi</i> ) as a potential temperature archive. <i>Marine Geology</i> , 2014, 357, 195-209.	2.1	11
129	Evaluating the planktic foraminiferal B/Ca proxy for application to deep time paleoceanography. <i>Earth and Planetary Science Letters</i> , 2019, 528, 115824.	4.4	11
130	Fine-scale phosphorus distribution in coral skeletons: combining X-ray mapping by electronprobe microanalysis and LA-ICP-MS. <i>Coral Reefs</i> , 2011, 30, 813.	2.2	8
131	Morphology and evolution of drowned carbonate terraces during the last two interglacial cycles, off Hilo, NE Hawaii. <i>Marine Geology</i> , 2016, 371, 57-81.	2.1	8
132	Late Pleistocene megafauna site at Black Creek Swamp, Flinders Chase National Park, Kangaroo Island, South Australia. <i>Alcheringa</i> , 2006, 30, 367-387.	1.2	7
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