Gideon M Henderson

List of Publications by Year in descending order

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130 papers 10,006 citations

23567 58 h-index 96 g-index

132 all docs 132 docs citations

times ranked

132

8920 citing authors

#	Article	IF	CITATIONS
1	A simplified isotope dilution approach for the U–Pb dating of speleogenic and other low- ²³² Th carbonates by multi-collector ICP-MS. Geochronology, 2022, 4, 33-54.	2.5	2
2	Ice-sheet expansion from the Ross Sea into McMurdo Sound, Antarctica, during the last two glaciations. Quaternary Science Reviews, 2022, 278, 107379.	3.0	3
3	Southern hemisphere forced millennial scale Indian summer monsoon variability during the late Pleistocene. Scientific Reports, 2022, 12, .	3.3	2
4	The lithium and magnesium isotope signature of olivine dissolution in soil experiments. Chemical Geology, 2021, 560, 120008.	3.3	9
5	Radium-228-derived ocean mixing and trace element inputs in the South Atlantic. Biogeosciences, 2021, 18, 1645-1671.	3.3	6
6	Controls on the cadmium isotope composition of modern marine sediments. Earth and Planetary Science Letters, 2021, 565, 116946.	4.4	22
7	Estuarine processes modify the isotope composition of dissolved riverine barium fluxes to the ocean. Chemical Geology, 2021, 579, 120340.	3.3	25
8	Permafrost-related hiatuses in stalagmites: Evaluating the potential for reconstruction of carbon cycle dynamics. Quaternary Geochronology, 2020, 56, 101037.	1.4	7
9	End of Green Sahara amplified mid-Âto late Holocene megadroughts in mainland Southeast Asia. Nature Communications, 2020, 11, 4204.	12.8	51
10	²³⁰ Th Normalization: New Insights on an Essential Tool for Quantifying Sedimentary Fluxes in the Modern and Quaternary Ocean. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003820.	2.9	56
11	Controls on the Cd-isotope composition of Upper Cretaceous (Cenomanian–Turonian) organic-rich mudrocks from south Texas (Eagle Ford Group). Geochimica Et Cosmochimica Acta, 2020, 287, 251-262.	3.9	17
12	Hydroclimatic variability in Southeast Asia over the past two millennia. Earth and Planetary Science Letters, 2019, 525, 115737.	4.4	31
13	Precise timing of abrupt increase in dust activity in the Middle East coincident with 4.2 ka social change. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 67-72.	7.1	80
14	Controls on the barium isotope compositions of marine sediments. Earth and Planetary Science Letters, 2018, 481, 101-110.	4.4	85
15	Evolution of ²³¹ Pa and ²³⁰ Th in overflow waters of the North Atlantic. Biogeosciences, 2018, 15, 7299-7313.	3.3	12
16	The Indian Summer Monsoon from a Speleothem δ18O Perspective—A Review. Quaternary, 2018, 1, 29.	2.0	39
17	Introduction to the French GEOTRACES North Atlantic Transect (GA01): GEOVIDE cruise. Biogeosciences, 2018, 15, 7097-7109.	3.3	10
18	The GEOTRACES Intermediate Data Product 2017. Chemical Geology, 2018, 493, 210-223.	3.3	257

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19	Barium isotopes in cold-water corals. Earth and Planetary Science Letters, 2018, 491, 183-192.	4.4	47
20	CaveCalc: A new model for speleothem chemistry & Damp; isotopes. Computers and Geosciences, 2018, 119, 115-122.	4.2	19
21	Lithium isotopes in speleothems: Temperature-controlled variation in silicate weathering during glacial cycles. Earth and Planetary Science Letters, 2017, 469, 64-74.	4.4	39
22	Speleothem evidence for MIS 5c and 5a sea level above modern level at Bermuda. Earth and Planetary Science Letters, 2017, 457, 325-334.	4.4	13
23	Barium stable isotopes in the global ocean: Tracer of Ba inputs and utilization. Earth and Planetary Science Letters, 2017, 473, 269-278.	4.4	95
24	Quantifying trace element and isotope fluxes at the ocean–sediment boundary: a review. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160246.	3.4	69
25	Rare earth elements (REEs) in the tropical South Atlantic and quantitative deconvolution of their non-conservative behavior. Geochimica Et Cosmochimica Acta, 2016, 177, 217-237.	3.9	98
26	Ocean trace element cycles. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150300.	3.4	5
27	A climatic control on reorganization of ocean circulation during the mid-Cenomanian event and Cenomanian-Turonian oceanic anoxic event (OAE 2): Nd isotope evidence. Geology, 2016, 44, 151-154.	4.4	25
28	A Robust Procedure for Highâ€Precision Determination of Rare Earth Element Concentrations in Seawater. Geostandards and Geoanalytical Research, 2015, 39, 277-292.	3.1	18
29	U-Th isotope constraints on gas hydrate and pockmark dynamics at the Niger delta margin. Marine Geology, 2015, 370, 87-98.	2.1	56
30	The dissolution of olivine added to soil: Implications for enhanced weathering. Applied Geochemistry, 2015, 61, 109-118.	3.0	99
31	Recommendations for future measurement and modelling of particles in GEOTRACES and other ocean biogeochemistry programmes. Progress in Oceanography, 2015 133 7378, beep circulation changes in the central South Atlantic during the past 145 kyrs reflected in a	3.2	7
32	combined 231Pa/230Th, Neodymium isotope and benthic <mml:math altimg="si1.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>(/mml:mi><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow><mml:mprescripts></mml:mprescripts><mml:none< td=""><td>4.4</td><td>38</td></mml:none<></mml:mmultiscripts></mml:mi></mml:math>	4.4	38
33	/> <mml:mrow><mml:mn>13</mml:mn></mml:mrow> record. Earth an The Li isotope response to mountain uplift. Geology, 2015, 43, 67-70.	4.4	91
34	Nutrient regimes control phytoplankton ecophysiology in the South Atlantic. Biogeosciences, 2014, 11, 463-479.	3.3	48
35	ldentifying vital effects in <i>Halimeda</i> algae with Ca isotopes. Biogeosciences, 2014, 11, 7207-7217.	3.3	1
36	Controls on seawater 231Pa, 230Th and 232Th concentrations along the flow paths of deep waters in the Southwest Atlantic. Earth and Planetary Science Letters, 2014, 390, 93-102.	4.4	55

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37	Strong responses of Southern Ocean phytoplankton communities to volcanic ash. Geophysical Research Letters, 2014, 41, 2851-2857.	4.0	75
38	Variations in GDGT distributions through the water column in the South East Atlantic Ocean. Geochimica Et Cosmochimica Acta, 2014, 132, 337-348.	3.9	53
39	An Acetic Acidâ€Based Extraction Protocol for the Recovery of U, Th and Pb from Calcium Carbonates for Uâ€(Th)â€Pb Geochronology. Geostandards and Geoanalytical Research, 2013, 37, 261-275.	3.1	19
40	Nonspecific uptake and homeostasis drive the oceanic cadmium cycle. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2500-2505.	7.1	99
41	CALCIUM ISOTOPES IN JUVENILE MILKâ€CONSUMERS. Archaeometry, 2013, 55, 946-957.	1.3	39
42	Changing ocean circulation and hydrothermal inputs during Ocean Anoxic Event 2 (Cenomanian–Turonian): Evidence from Nd-isotopes in the European shelf sea. Earth and Planetary Science Letters, 2013, 375, 338-348.	4.4	68
43	Evaluating U-series tools for weathering rate and duration on a soil sequence of known ages. Earth and Planetary Science Letters, 2013, 374, 24-35.	4.4	30
44	Speleothems Reveal 500,000-Year History of Siberian Permafrost. Science, 2013, 340, 183-186.	12.6	103
45	Links between the East Asian monsoon and North Atlantic climate during the 8,200 year event. Nature Geoscience, 2013, 6, 117-120.	12.9	147
46	Controls on trace-element partitioning in cave-analogue calcite. Geochimica Et Cosmochimica Acta, 2013, 120, 612-627.	3.9	89
47	High-resolution record of the Laschamp geomagnetic excursion at the Blake-Bahama Outer Ridge. Geophysical Journal International, 2013, 195, 1519-1533.	2.4	9
48	Reply to Morel: Cadmium as a micronutrient and macrotoxin in the oceans. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1878-E1878.	7.1	5
49	Comparison of ¹⁴ C and U-Th Ages in Corals from IODP #310 Cores Offshore Tahiti. Radiocarbon, 2013, 55, 1947-1974.	1.8	26
50	Using the radium quartet (228 Ra, 226 Ra, 224 Ra, and 223 Ra) to estimate water mixing and radium inputs in Loch Etive, Scotland. Limnology and Oceanography, 2013, 58, 1089-1102.	3.1	10
51	Explaining the Phanerozoic Ca isotope history of seawater. Geology, 2012, 40, 843-846.	4.4	80
52	GEOTRACES intercalibration of neodymium isotopes and rare earth element concentrations in seawater and suspended particles. Part 1: reproducibility of results for the international intercomparison. Limnology and Oceanography: Methods, 2012, 10, 234-251.	2.0	119
53	Improved determination of marine sedimentation rates using ²³⁰ Th _{<i>xs</i>} . Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	23
54	Rapid directional changes associated with a 6.5kyr-long Blake geomagnetic excursion at the Blake–Bahama Outer Ridge. Earth and Planetary Science Letters, 2012, 333-334, 21-34.	4.4	36

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55	Response to comment on Day and Henderson "Oxygen isotopes in calcite grown under cave-analogue conditions― Geochimica Et Cosmochimica Acta, 2012, 85, 388-389.	3.9	2
56	Tropical seagrass meadows modify seawater carbon chemistry: implications for coral reefs impacted by ocean acidification. Environmental Research Letters, 2012, 7, 024026.	5.2	159
57	Ice-sheet collapse and sea-level rise at the BĄ̃ļling warming 14,600 years ago. Nature, 2012, 483, 559-564.	27.8	475
58	Assessing subsidence rates and paleo water-depths for Tahiti reefs using U–Th chronology of altered corals. Marine Geology, 2012, 295-298, 86-94.	2.1	27
59	Precise measurement of 228Ra/226Ra ratios and Ra concentrations in seawater samples by multi-collector ICP mass spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 1338.	3.0	23
60	Large fractionation of calcium isotopes during cave-analogue calcium carbonate growth. Geochimica Et Cosmochimica Acta, 2011, 75, 3726-3740.	3.9	50
61	Oxygen isotopes in calcite grown under cave-analogue conditions. Geochimica Et Cosmochimica Acta, 2011, 75, 3956-3972.	3.9	85
62	Increased seasonality in the Western Mediterranean during the last glacial from limpet shell geochemistry. Earth and Planetary Science Letters, 2011, 308, 325-333.	4.4	58
63	Significant increases in global weathering during Oceanic Anoxic Events 1a and 2 indicated by calcium isotopes. Earth and Planetary Science Letters, 2011, 309, 77-88.	4.4	163
64	Isotopic fractionation of cadmium into calcite. Earth and Planetary Science Letters, 2011, 312, 243-253.	4.4	98
65	Combining seawater 232Th and 230Th concentrations to determine dust fluxes to the surface ocean. Earth and Planetary Science Letters, 2011, 312, 280-290.	4.4	52
66	Calcium isotopes in archaeological bones and their relationship to dairy consumption. Journal of Archaeological Science, 2011, 38, 657-664.	2.4	35
67	Radiocarbon Ages Constraints on the Origin and Shedding of Bank-Top Sediment in the Bahamas during the Holocene. Aquatic Geochemistry, 2011, 17, 419-429.	1.3	3
68	Correction of multi-collector-ICP-MS instrumental biases in high-precision uranium–thorium chronology. International Journal of Mass Spectrometry, 2010, 295, 26-35.	1.5	28
69	Reversed flow of Atlantic deep water during the Last Glacial Maximum. Nature, 2010, 468, 84-88.	27.8	85
70	Antarctic lakes suggest millennial reorganizations of Southern Hemisphere atmospheric and oceanic circulation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21355-21359.	7.1	42
71	Calcium isotope ratios in animal and human bone. Geochimica Et Cosmochimica Acta, 2010, 74, 3735-3750.	3.9	80
72	Constant Holocene Southern-Ocean 14C reservoir ages and ice-shelf flow rates. Earth and Planetary Science Letters, 2010, 296, 115-123.	4.4	87

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73	Reconstructing Holocene conditions under the McMurdo Ice Shelf using Antarctic barnacle shells. Earth and Planetary Science Letters, 2010, 298, 385-393.	4.4	14
74	Lithium isotopic composition of the McMurdo Dry Valleys aquatic systems. Chemical Geology, 2010, 275, 139-147.	3.3	32
75	Penultimate Deglacial Sea-Level Timing from Uranium/Thorium Dating of Tahitian Corals. Science, 2009, 324, 1186-1189.	12.6	113
76	Dust as a tipping element: The BodÃ $@$ IÃ $@$ Depression, Chad. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20564-20571.	7.1	82
77	Multi-disciplinary investigation of fluid seepage on an unstable margin: The case of the Central Nile deep sea fan. Marine Geology, 2009, 261, 92-104.	2.1	88
78	U–Th stratigraphy of a cold seep carbonate crust. Chemical Geology, 2009, 260, 47-56.	3.3	135
79	Separation and Measurement of Pa, Th, and U Isotopes in Marine Sediments by Microwave-Assisted Digestion and Multiple Collector Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2009, 81, 1914-1919.	6.5	26
80	Modeling the particle flux effect on distribution of $\sup 230 \le 10^{\circ}$ in the equatorial Pacific. Paleoceanography, 2008, 23, .	3.0	23
81	Systematic change of foraminiferal Mg/Ca ratios across a strong salinity gradient. Earth and Planetary Science Letters, 2008, 265, 153-166.	4.4	149
82	Quantification of Holocene Asian monsoon rainfall from spatially separated cave records. Earth and Planetary Science Letters, 2008, 266, 221-232.	4.4	626
83	In-phase anomalies in Beryllium-10 production and palaeomagnetic field behaviour during the Iceland Basin geomagnetic excursion. Earth and Planetary Science Letters, 2008, 265, 588-599.	4.4	37
84	Report of a three-year monitoring programme at Heshang Cave, Central China. International Journal of Speleology, 2008, 37, 143-151.	1.0	60
85	Late Pleistocene Human Skull from Hofmeyr, South Africa, and Modern Human Origins. Science, 2007, 315, 226-229.	12.6	136
86	Comment on "Do geochemical estimates of sediment focusing pass the sediment test in the equatorial Pacific?―by M. Lyle et al Paleoceanography, 2007, 22, n/a-n/a.	3.0	37
87	Modeling the relationship between231Pa/230Th distribution in North Atlantic sediment and Atlantic meridional overturning circulation. Paleoceanography, 2007, 22, .	3.0	45
88	Seven thousand year duration for a geomagnetic excursion constrained by ²³⁰ Th _{<i>xs</i>} . Geophysical Research Letters, 2007, 34, .	4.0	13
89	Constant bottom water flow into the Indian Ocean for the past 140 ka indicated by sediment ²³¹ Pa/ ²³⁰ Th ratios. Paleoceanography, 2007, 22, .	3.0	20
90	CLIMATE: Caving In to New Chronologies. Science, 2006, 313, 620-622.	12.6	86

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91	Establishing the potential of Ca isotopes as proxy for consumption of dairy products. Applied Geochemistry, 2006, 21, 1656-1667.	3.0	89
92	Interpretation of the 231Pa/230Th paleocirculation proxy: New water-column measurements from the southwest Indian Ocean. Earth and Planetary Science Letters, 2006, 241, 493-504.	4.4	72
93	Seasonal trace-element and stable-isotope variations in a Chinese speleothem: The potential for high-resolution paleomonsoon reconstruction. Earth and Planetary Science Letters, 2006, 244, 394-407.	4.4	278
94	High-resolution data of the Iceland Basin geomagnetic excursion from ODP sites 1063 and 983: Existence of intense flux patches during the excursion?. Earth and Planetary Science Letters, 2006, 251, 18-32.	4.4	16
95	Control on (234U/238U) in lake water: A study in the Dry Valleys of Antarctica. Chemical Geology, 2006, 226, 298-308.	3.3	24
96	Recognition of non-Milankovitch sea-level highstands at 185 and 343 thousand years ago from U–Th dating of Bahamas sediment. Quaternary Science Reviews, 2006, 25, 3346-3358.	3.0	28
97	OCEAN SCIENCE: Coral Clues to Rapid Sea-Level Change. Science, 2005, 308, 361-362.	12.6	5
98	Adsorbed silica in stalagmite carbonate and its relationship to past rainfall. Geochimica Et Cosmochimica Acta, 2005, 69, 2285-2292.	3.9	31
99	231Pa/230Th fractionation by ocean transport, biogenic particle flux and particle type. Earth and Planetary Science Letters, 2005, 237, 135-155.	4.4	84
100	PROGRAM UPDATE GEOTRACESâ€"A Global Study of the Marine Biogeochemical Cycles of Trace Elements and Their Isotopes. Oceanography, 2005, 18, 76-79.	1.0	24
101	Climatic Control of Riverine and Seawater Uranium-Isotope Ratios. Science, 2004, 305, 851-854.	12.6	111
102	226Ra and Ba concentrations in the Ross Sea measured with multicollector ICP mass spectrometry. Marine Chemistry, 2004, 87, 59-71.	2.3	55
103	The use of foraminifera as a record of the past neodymium isotope composition of seawater. Paleoceanography, 2004, 19, n/a-n/a.	3.0	102
104	Effect of mineralogy, salinity, and temperature on Li/Ca and Li isotope composition of calcium carbonate. Chemical Geology, 2004, 212, 5-15.	3.3	161
105	U and Th concentrations and isotope ratios in modern carbonates and waters from the Bahamas. Geochimica Et Cosmochimica Acta, 2004, 68, 1777-1789.	3.9	168
106	Temperature dependence of \hat{l} 7 Li, \hat{l} 44 Ca and Li/Ca during growth of calcium carbonate. Earth and Planetary Science Letters, 2004, 222, 615-624.	4.4	245
107	Growth rates of the deep-sea scleractinia Desmophyllum cristagalli and Enallopsammia rostrata. Earth and Planetary Science Letters, 2004, 227, 481-490.	4.4	110
108	Ba, Ra, Th, and U in marine mollusc shells and the potential of 226Ra/Ba dating of Holocene marine carbonate shells. Geochimica Et Cosmochimica Acta, 2004, 68, 89-100.	3.9	31

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109	The Great Barrier Reef: The Chronological Record from a New Borehole. Journal of Sedimentary Research, 2004, 74, 298-310.	1.6	56
110	A tropical mechanism for Northern Hemisphere deglaciation. Geochemistry, Geophysics, Geosystems, 2003, 4, n/a-n/a.	2.5	38
111	Lithium-isotope fractionation during continental weathering processes. Earth and Planetary Science Letters, 2003, 214, 327-339.	4.4	350
112	12. The U-series Toolbox for Paleoceanography. , 2003, , 493-532.		24
113	Advection and removal of 210Pb and stable Pb isotopes in the oceans: a general circulation model study. Geochimica Et Cosmochimica Acta, 2002, 66, 257-272.	3.9	91
114	U–Th dating of marine isotope stage 7 in Bahamas slope sediments. Earth and Planetary Science Letters, 2002, 196, 175-187.	4.4	89
115	Seawater (234 U/ 238 U) during the last 800 thousand years. Earth and Planetary Science Letters, 2002, 199, 97-110.	4.4	131
116	New oceanic proxies for paleoclimate. Earth and Planetary Science Letters, 2002, 203, 1-13.	4.4	163
117	Glacial-to-Holocene sedimentation on the western slope of Great Bahama Bank. Marine Geology, 2002, 185, 165-176.	2.1	18
118	U-Th dating of carbonate platform and slope sediments. Geochimica Et Cosmochimica Acta, 2001, 65, 2757-2770.	3.9	70
119	Use of uranium–thorium dating to determine past 14C reservoir effects in lakes: examples from Antarctica. Earth and Planetary Science Letters, 2001, 193, 565-577.	4.4	72
120	Early diagenesis of shallow-water periplatform carbonate sediments, leeward margin, Great Bahama Bank (Ocean Drilling Program Leg 166). Bulletin of the Geological Society of America, 2001, 113, 881-894.	3.3	58
121	Evidence from U–Th dating against Northern Hemisphere forcing of the penultimate deglaciation. Nature, 2000, 404, 61-66.	27.8	250
122	Variation in bioturbation with water depth on marine slopes: a study on the Little Bahamas Bank. Marine Geology, 1999, 160, 105-118.	2.1	66
123	Global distribution of the flux to ocean sediments constrained by GCM modelling. Deep-Sea Research Part I: Oceanographic Research Papers, 1999, 46, 1861-1893.	1.4	165
124	Fluid flow through carbonate platforms: constraints from 234U/238U and Clâ [^] in Bahamas pore-waters. Earth and Planetary Science Letters, 1999, 169, 99-111.	4.4	73
125	Using (234U/238U) to assess diffusion rates of isotope tracers in ferromanganese crusts. Earth and Planetary Science Letters, 1999, 170, 169-179.	4.4	78
126	The sequence of events surrounding Termination II and their implications for the cause of glacial-interglacial CO2changes. Paleoceanography, 1998, 13, 352-364.	3.0	345

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127	Direct U–Th dating of marine sediments from the two most recent interglacial periods. Nature, 1996, 383, 242-244.	27.8	55
128	ratios in quaternary planktonic foraminifera. Geochimica Et Cosmochimica Acta, 1995, 59, 4685-4694.	3.9	24
129	Evolution of seawater 87Sr86Sr over the last 400 ka: the absence of glacial/interglacial cycles. Earth and Planetary Science Letters, 1994, 128, 643-651.	4.4	95
130	234U/238U ratios and 230Th ages for Hateruma Atoll corals: implications for coral diagenesis and seawater 234U/238U ratios. Earth and Planetary Science Letters, 1993, 115, 65-73.	4.4	93