

# Sidney Hemming

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

147  
papers

6,860  
citations

42  
h-index

79  
g-index

166  
ext. papers

7,654  
ext. citations

6.4  
avg, IF

5.96  
L-index

#	Paper	IF	Citations
147	Antiphased dust deposition and productivity in the Antarctic Zone over 1.5 million years.. <i>Nature Communications</i> , <b>2022</b> , 13, 2044	17.4	0
146	Little Change in Ice Age Water Mass Structure From Cape Basin Benthic Neodymium and Carbon Isotopes. <i>Paleoceanography and Paleoclimatology</i> , <b>2021</b> , 36, e2021PA004281	3.3	1
145	Indo-Pacific Walker circulation drove Pleistocene African aridification. <i>Nature</i> , <b>2021</b> , 598, 618-623	50.4	5
144	Late Pleistocene Emergence of Crystalline Canadian Shield Sources in Sediments of the Northern Gulf of Mexico. <i>Paleoceanography and Paleoclimatology</i> , <b>2021</b> , 36, e2020PA004082	3.3	
143	Strong glacial-interglacial variability in upper ocean hydrodynamics, biogeochemistry, and productivity in the southern Indian Ocean. <i>Communications Earth &amp; Environment</i> , <b>2021</b> , 2,	6.1	2
142	Latitudinal Migrations of the Subtropical Front at the Agulhas Plateau Through the Mid-Pleistocene Transition. <i>Paleoceanography and Paleoclimatology</i> , <b>2021</b> , 36, e2020PA004084	3.3	0
141	Interpreting and reporting $^{40}\text{Ar}/^{39}\text{Ar}$ geochronologic data. <i>Bulletin of the Geological Society of America</i> , <b>2021</b> , 133, 461-487	3.9	28
140	Miocene to present oceanographic variability in the Scotia Sea and Antarctic ice sheets dynamics: Insight from revised seismic-stratigraphy following IODP Expedition 382. <i>Earth and Planetary Science Letters</i> , <b>2021</b> , 553, 116657	5.3	9
139	Antarctic icebergs reorganize ocean circulation during Pleistocene glacials. <i>Nature</i> , <b>2021</b> , 589, 236-241	50.4	14
138	New Magnetostratigraphic Insights From Iceberg Alley on the Rhythms of Antarctic Climate During the Plio-Pleistocene. <i>Paleoceanography and Paleoclimatology</i> , <b>2021</b> , 36, e2020PA003994	3.3	2
137	Rapid erosion of the central Transantarctic Mountains at the Eocene-Oligocene transition: Evidence from skewed (U-Th)/He date distributions near Beardmore Glacier. <i>Earth and Planetary Science Letters</i> , <b>2021</b> , 567, 117009	5.3	2
136	A large West Antarctic Ice Sheet explains early Neogene sea-level amplitude.. <i>Nature</i> , <b>2021</b> , 600, 450-455	50.4	2
135	Sequential extraction procedure to obtain the composition of terrigenous detritus in marine sediments. <i>MethodsX</i> , <b>2020</b> , 7, 100888	1.9	
134	An assessment of sanidine from the Fire Clay tonstein as a Carboniferous $^{40}\text{Ar}/^{39}\text{Ar}$ monitor standard and for inter-method comparison to U-Pb zircon geochronology. <i>Chemical Geology</i> , <b>2020</b> , 539, 119485	4.2	5
133	The Isotopx NGX and ATONA Faraday amplifiers. <i>Geochronology</i> , <b>2020</b> , 2, 231-243	3.8	5
132	The geochemical and mineralogical fingerprint of West Antarctica's weak underbelly: Pine Island and Thwaites glaciers. <i>Chemical Geology</i> , <b>2020</b> , 550, 119649	4.2	5
131	Development of a protocol to obtain the composition of terrigenous detritus in marine sediments -a pilot study from International Ocean Discovery Program Expedition 361. <i>Chemical Geology</i> , <b>2020</b> , 535, 119449	4.2	3

130	A User-Friendly Workbook to Facilitate Rapid and Accurate Rare Earth Element Analyses by ICP-MS for Multispiked Samples. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2020</b> , 21, e2020GC009042	3.6	3
129	Temporal and Stratigraphic Framework for Paleoanthropology Sites Within East-Central Area 130, Koobi Fora, Kenya. <i>Frontiers in Earth Science</i> , <b>2019</b> , 7,	3.5	4
128	New K/Ar age values and context from published clay mineralogy and Sr and Nd isotopes as tracers of terrigenous Atlantic Ocean sediments. <i>Marine Geology</i> , <b>2019</b> , 411, 36-50	3.3	1
127	Reconstruction of the Early Miocene Critical Zone at Loperot, Southwestern Turkana, Kenya. <i>Frontiers in Ecology and Evolution</i> , <b>2019</b> , 7,	3.7	6
126	<sup>40</sup> Ar/ <sup>39</sup> Ar and paleomagnetic constraints on the age and areal extent of the Picabo volcanic field: Implications for the Yellowstone hotspot <b>2019</b> , 15, 716-735		2
125	A New Seismic Stratigraphy in the Indian-Atlantic Ocean Gateway Resembles Major Paleo-Oceanographic Changes of the Last 7 Ma. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2019</b> , 20, 339-358 <sup>3.6</sup>		3
124	Age constraints on a Neogene tropical rainforest in China and its relation to the Middle Miocene Climatic Optimum. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2019</b> , 518, 82-88	2.9	18
123	More than ten million years of hyper-aridity recorded in the Atacama Gravels. <i>Geochimica Et Cosmochimica Acta</i> , <b>2018</b> , 227, 123-132	5.5	21
122	Continental-scale transport of sediments by the Baltic Ice Stream elucidated by coupled grain size and Nd provenance analyses. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 490, 143-150	5.3	5
121	Evidence for Extending Anomalous Miocene Volcanism at the Edge of the East Antarctic Craton. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 3009-3016	4.9	13
120	Geochemical fingerprints of glacially eroded bedrock from West Antarctica: Detrital thermochronology, radiogenic isotope systematics and trace element geochemistry in Late Holocene glacial-marine sediments. <i>Earth-Science Reviews</i> , <b>2018</b> , 182, 204-232	10.2	21
119	The Malpaisillo Formation: A sequence of explosive eruptions in the mid to late Pleistocene (Nicaragua, Central America). <i>Journal of Volcanology and Geothermal Research</i> , <b>2018</b> , 359, 47-67	2.8	6
118	The last 1 million years of the extinct genus <i>Discoaster</i> : Pliocene environment and productivity at Site U1476 (Mozambique Channel). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2018</b> , 505, 187-197	2.9	7
117	Context matters: <sup>40</sup> Ar/ <sup>39</sup> Ar results from in and around the Manicouagan Impact Structure, Canada: Implications for martian meteorite chronology. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 501, 78-89	5.3	11
116	Glacial erosion of East Antarctica in the Pliocene: A comparative study of multiple marine sediment provenance tracers. <i>Chemical Geology</i> , <b>2017</b> , 466, 199-218	4.2	20
115	Analysis of Antarctic glacial sediment provenance through geochemical and petrologic applications. <i>Quaternary Science Reviews</i> , <b>2017</b> , 164, 1-24	3.9	35
114	Evidence for a dynamic East Antarctic ice sheet during the mid-Miocene climate transition. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 478, 1-13	5.3	27
113	An Orphaned Baltic Terrane in the Greenland Caledonides: A Sm-Nd and Detrital Zircon Study of a High-Pressure/Ultrahigh-Pressure Complex in Liverpool Land. <i>Journal of Geology</i> , <b>2016</b> , 124, 541-567	2	4

112	Reexamination of the Crustal Boundary Context of Mesoproterozoic Granites in Southern Nevada Using U-Pb Zircon Chronology and Nd and Pb Isotopic Compositions. <i>Journal of Geology</i> , <b>2016</b> , 124, 313-329	2	2
111	40Ar/39Ar AND PALEOMAGNETIC CONSTRAINTS ON THE AGE AND AREAL EXTENT OF THE PICABO VOLCANIC FIELD: IMPLICATIONS FOR THE YELLOWSTONE HOTSPOT <b>2016</b> ,		2
110	Applications of detrital geochronology and thermochronology from glacial deposits to the Paleozoic and Mesozoic thermal history of the Ross Embayment, Antarctica. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2016</b> , 17, 2762-2780	3.6	13
109	Late Cenozoic tephrostratigraphy offshore the southern Central American Volcanic Arc: 1. Tephra ages and provenance. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2016</b> , 17, 4641-4668	3.6	22
108	Isotopic and elemental evidence for Scabland Flood sediments offshore Vancouver Island. <i>Quaternary Science Reviews</i> , <b>2016</b> , 139, 129-137	3.9	9
107	The Miocene Galápagos ash layer record of Integrated Ocean Drilling Program Legs 334 and 344: Ocean-island explosive volcanism during plume-ridge interaction. <i>Geology</i> , <b>2015</b> , 43, 599-602	5	15
106	Stratigraphy of the Pleistocene, phonolitic Cb Grande Formation on Santo Antb, Cape Verde. <i>Journal of Volcanology and Geothermal Research</i> , <b>2015</b> , 301, 204-220	2.8	13
105	A strategy for cross-calibrating Ubb chronology and astrochronology of sedimentary sequences: An example from the Green River Formation, Wyoming, USA. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 413, 70-78	5.3	26
104	A comparison of detrital Ubb zircon, 40Ar/39Ar hornblende, 40Ar/39Ar biotite ages in marine sediments off East Antarctica: Implications for the geology of subglacial terrains and provenance studies. <i>Earth-Science Reviews</i> , <b>2014</b> , 138, 156-178	10.2	35
103	Sea surface temperature control on the distribution of far-traveled Southern Ocean ice-rafted detritus during the Pliocene. <i>Paleoceanography</i> , <b>2014</b> , 29, 533-548		27
102	A fixed sublithospheric source for the late Neogene track of the Yellowstone hotspot: Implications of the Heise and Picabo volcanic fields. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2014</b> , 119, 2871-2906	3.6	16
101	The effects of recent uplift and volcanism on deposition in Mono Lake, California, from seismic-reflection (CHIRP) profiles. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2014</b> , 119, 3955-3970	3.6	8
100	40Ar/39Ar hornblende provenance clues about Heinrich event 3 (H3). <i>Geological Society Special Publication</i> , <b>2014</b> , 378, 245-263	1.7	1
99	40Ar/39Ar age constraints on the Haifanggou and Lanqi formations: When did the first flowers bloom?. <i>Geological Society Special Publication</i> , <b>2014</b> , 378, 277-284	1.7	35
98	40Ar/39Ar age constraints on Cretaceous fossil-bearing formations near the China-North Korea border. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2014</b> , 396, 93-98	2.9	10
97	Dynamic behaviour of the East Antarctic ice sheet during Pliocene warmth. <i>Nature Geoscience</i> , <b>2013</b> , 6, 765-769	18.3	180
96	The contribution of glacial erosion to shaping the hidden landscape of East Antarctica. <i>Nature Geoscience</i> , <b>2013</b> , 6, 203-207	18.3	59
95	Rapid changes in meridional advection of Southern Ocean intermediate waters to the tropical Pacific during the last 30kyr. <i>Earth and Planetary Science Letters</i> , <b>2013</b> , 368, 20-32	5.3	56

94	Potential for accurate and precise radiocarbon ages in deglacial-age lacustrine carbonates. <i>Quaternary Geochronology</i> , <b>2012</b> , 13, 81-91	2.7	10
93	Chronological evidence for extension of the Jehol Biota into Southern China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2012</b> , 344-345, 1-5	2.9	12
92	Insights into the age of the Mono Lake Excursion and magmatic crystal residence time from (U-Th)/He and <sup>230</sup> Th dating of volcanic allanite. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 319-320, 178-184	5.3	25
91	Erosional history of the Prydz Bay sector of East Antarctica from detrital apatite and zircon geo- and thermochronology multidating. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2012</b> , 13,	3.6	29
90	Initiation of the western branch of the East African Rift coeval with the eastern branch. <i>Nature Geoscience</i> , <b>2012</b> , 5, 289-294	18.3	198
89	Late glacial and deglacial history of ice rafting in the Labrador Sea: A perspective from radiogenic isotopes in marine sediments <b>2012</b> ,		3
88	Nunatak moraines as a repository of what lies beneath the East Antarctic ice sheet <b>2012</b> ,		7
87	GEOTRACES intercalibration of neodymium isotopes and rare earth element concentrations in seawater and suspended particles. Part 1: reproducibility of results for the international intercomparison. <i>Limnology and Oceanography: Methods</i> , <b>2012</b> , 10, 234-251	2.6	93
86	GEOTRACES intercalibration of neodymium isotopes and rare earth element concentrations in seawater and suspended particles. Part 2: Systematic tests and baseline profiles. <i>Limnology and Oceanography: Methods</i> , <b>2012</b> , 10, 252-269	2.6	42
85	Centennial- to millennial-scale ice-ocean interactions in the subpolar northeast Atlantic 18±1 kyr ago. <i>Paleoceanography</i> , <b>2011</b> , 26, n/a-n/a		24
84	Characterizing the sediment provenance of East Antarctica's weak underbelly: The Aurora and Wilkes sub-glacial basins. <i>Paleoceanography</i> , <b>2011</b> , 26,		31
83	Assessing Li and other leachable geochemical proxies for paleo-salinity in lake sediments from the Mono Basin, CA (USA). <i>Geochimica Et Cosmochimica Acta</i> , <b>2011</b> , 75, 7855-7863	5.5	2
82	Freshwater control of ice-rafted debris in the last glacial period at Mono Lake, California, USA. <i>Quaternary Research</i> , <b>2011</b> , 76, 264-271	1.9	11
81	High-resolution chemostratigraphic record of late Pleistocene lake-level variability, Mono Lake, California. <i>Bulletin of the Geological Society of America</i> , <b>2011</b> , 123, 2320-2334	3.9	26
80	Source, timing, frequency and flux of ice-rafted detritus to the Northeast Atlantic margin, 30±2 ka: testing the Heinrich precursor hypothesis. <i>Boreas</i> , <b>2010</b> , 39, no-no	2.4	6
79	Extremely low long-term erosion rates around the Gamburtsev Mountains in interior East Antarctica. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	39
78	Evidence for iceberg armadas from East Antarctica in the Southern Ocean during the late Miocene and early Pliocene. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 290, 351-361	5.3	75
77	Neogene tephra correlations in eastern Idaho and Wyoming: Implications for Yellowstone hotspot-related volcanism and tectonic activity. <i>Bulletin of the Geological Society of America</i> , <b>2009</b> , 121, 837-856	3.9	27

76	Contrasting compositions of Saharan dust in the eastern Atlantic Ocean during the last deglaciation and African Humid Period. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 278, 257-266	5.3	93
75	Metamorphic reworking of a high pressure/low temperature mélange along the Motagua fault, Guatemala: A record of Neocomian and Maastrichtian transpressional tectonics. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 284, 228-235	5.3	55
74	Sediment sources of northern Québec and Labrador glacial deposits and the northeastern sector of the Laurentide Ice Sheet during ice-rafting events of the last glacial cycle. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 3236-3245	3.9	9
73	A 19 to 17 Ma magmatic extension event at the Mid-Atlantic Ridge: Ultramafic mylonites from the Vema Lithospheric Section. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2009</b> , 10, n/a-n/a	3.6	13
72	Data reporting norms for $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. <i>Quaternary Geochronology</i> , <b>2009</b> , 4, 346-352	2.7	86
71	Use of strontium isotopes in detrital sediments to constrain the glacial position of the Agulhas Retroflection. <i>Paleoceanography</i> , <b>2009</b> , 24, n/a-n/a		28
70	Abrupt changes in Antarctic Intermediate Water circulation over the past 25,000 years. <i>Nature Geoscience</i> , <b>2008</b> , 1, 870-874	18.3	111
69	Paleointensity record from the 2.7 Ga Stillwater Complex, Montana. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2008</b> , 9, n/a-n/a	3.6	27
68	Spectral analysis of the lower Eocene Wilkins Peak Member, Green River Formation, Wyoming: Support for Milankovitch cyclicity. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 268, 64-75	5.3	33
67	Sources of Fe to the equatorial Pacific Ocean from the Holocene to Miocene. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 270, 258-270	5.3	38
66	Oscillating glacial northern and southern deep water formation from combined neodymium and carbon isotopes. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 272, 394-405	5.3	84
65	Modeling the distribution of Nd isotopes in the oceans using an ocean general circulation model. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 272, 610-619	5.3	61
64	Towards explaining the Nd paradox using reversible scavenging in an ocean general circulation model. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 274, 448-461	5.3	135
63	Evidence against a young volcanic origin of the Gamburtsev Subglacial Mountains, Antarctica. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	34
62	Millennial-scale propagation of Atlantic deep waters to the glacial Southern Ocean. <i>Paleoceanography</i> , <b>2008</b> , 23, n/a-n/a		27
61	Mid-Miocene cooling and the extinction of tundra in continental Antarctica. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 10676-80	11.5	204
60	$^{14}\text{C}$ reservoir ages show deglacial changes in ocean currents and carbon cycle. <i>Geophysical Monograph Series</i> , <b>2007</b> , 175-196	1.1	31
59	Strontium isotope tracing of terrigenous sediment dispersal in the Antarctic Circumpolar Current: Implications for constraining frontal positions. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2007</b> , 8, n/a-n/a	3.6	32

58	Insights into the late Cenozoic configuration of the Laurentide Ice Sheet from $^{40}\text{Ar}/^{39}\text{Ar}$ dating of glacially transported minerals in midcontinent tills. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2007</b> , 8, n/a-n/a	3.6	8
57	The relationship of Heinrich events and their European precursors over the past 60ka BP: a multi-proxy ice-rafted debris provenance study in the North East Atlantic. <i>Quaternary Science Reviews</i> , <b>2007</b> , 26, 862-875	3.9	122
56	Global neodymium/lanthanum isotope systematics revisited. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 259, 432-441	5.3	96
55	Climate-correlated variations in seawater $^{187}\text{Os}/^{188}\text{Os}$ over the past 200,000 yr: Evidence from the Cariaco Basin, Venezuela. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 263, 246-258	5.3	36
54	$^{40}\text{Ar}/^{39}\text{Ar}$ ages of hornblende grains and bulk Sm/Nd isotopes of circum-Antarctic glacio-marine sediments: Implications for sediment provenance in the southern ocean. <i>Chemical Geology</i> , <b>2007</b> , 244, 507-519	4.2	82
53	Is the Frequency of Abrupt Climate Change Modulated by The Orbital Insolation?. <i>Geophysical Monograph Series</i> , <b>2007</b> , 167-174	1.1	9
52	Phasing of Millennial Climate Events and Northeast Atlantic Deep-Water Temperature Change Since 50 Ka Bp. <i>Geophysical Monograph Series</i> , <b>2007</b> , 197-208	1.1	18
51	Mechanisms for an ~7-Kyr Climate and Sea-Level Oscillation During Marine Isotope Stage 3. <i>Geophysical Monograph Series</i> , <b>2007</b> , 209-246	1.1	35
50	Antarctic Stratification, Atmospheric Water Vapor, and Heinrich Events: a Hypothesis for Late Pleistocene Deglaciations. <i>Geophysical Monograph Series</i> , <b>2007</b> , 335-349	1.1	11
49	Millennial-Scale Interhemispheric Asymmetry of Low-Latitude Precipitation: Speleothem Evidence and Possible High-Latitude Forcing. <i>Geophysical Monograph Series</i> , <b>2007</b> , 279-294	1.1	4
48	Radiogenic isotope fingerprint of Wilkes Land Middle Coast Bottom Water in the circum-Antarctic Ocean. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	23
47	Temporal stability of the neodymium isotope signature of the Holocene to glacial North Atlantic. <i>Paleoceanography</i> , <b>2006</b> , 21,		59
46	High resolution evidence for linkages between NW European ice sheet instability and Atlantic Meridional Overturning Circulation. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 243, 476-488	5.3	111
45	Reduced Agulhas Leakage during the Last Glacial Maximum inferred from an integrated provenance and flux study. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 250, 72-88	5.3	61
44	Revised chronology for late Pleistocene Mono Lake sediments based on paleointensity correlation to the global reference curve. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 252, 94-106	5.3	48
43	Contrasting conditions preceding MIS3 and MIS2 Heinrich events. <i>Global and Planetary Change</i> , <b>2006</b> , 54, 225-238	4.2	33
42	Deep Pacific $\text{CaCO}_3$ compensation and glacial/interglacial atmospheric $\text{CO}_2$ . <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 231, 317-336	5.3	114
41	Sr isotope evidence for sources of terrigenous sediment in the southeast Atlantic Ocean: Is there increased available Fe for enhanced glacial productivity?. <i>Paleoceanography</i> , <b>2005</b> , 20, n/a-n/a		16

40	Temporal relationships of carbon cycling and ocean circulation at glacial boundaries. <i>Science</i> , <b>2005</b> , 307, 1933-8	33.3	237
39	Eocene calibration of geomagnetic polarity time scale reevaluated: Evidence from the Green River Formation of Wyoming. <i>Geology</i> , <b>2004</b> , 32, 137	5	21
38	Radiogenic Lead Isotopes and Time Stratigraphy in the Hudson River, New York. <i>Water, Air and Soil Pollution</i> , <b>2004</b> , 4, 469-482		5
37	Heinrich events: Massive late Pleistocene detritus layers of the North Atlantic and their global climate imprint. <i>Reviews of Geophysics</i> , <b>2004</b> , 42,	23.1	975
36	Sources of osmium to the modern oceans: new evidence from the 190 Pt- 186 Os system 1 Associate editor: E. M. Ripley. <i>Geochimica Et Cosmochimica Acta</i> , <b>2004</b> , 68, 1243-1252	5.5	22
35	Intensification and variability of ocean thermohaline circulation through the last deglaciation. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 225, 205-220	5.3	184
34	Two high-pressure/low-temperature serpentinite-matrix mélange belts, Motagua fault zone, Guatemala: A record of Aptian and Maastrichtian collisions. <i>Geology</i> , <b>2004</b> , 32, 17	5	92
33	<sup>14</sup> C Ages of Ostracodes from Pleistocene Lake Sediments of the Western Great Basin, USA Results of Progressive Acid Leaching. <i>Radiocarbon</i> , <b>2004</b> , 46, 189-200	4.6	26
32	Radiogenic Lead Isotopes and Time Stratigraphy in the Hudson River, New York <b>2004</b> , 469-482		1
31	The lithium isotopic composition of waters of the Mono Basin, California. <i>Geochimica Et Cosmochimica Acta</i> , <b>2003</b> , 67, 601-611	5.5	53
30	Stable lead isotopes, contaminant metals and radionuclides in upper Hudson River sediment cores: implications for improved time stratigraphy and transport processes. <i>Chemical Geology</i> , <b>2003</b> , 199, 53-70	4.2	27
29	Ice-rafted detritus evidence from <sup>40</sup> Ar/ <sup>39</sup> Ar ages of individual hornblende grains for evolution of the eastern margin of the Laurentide ice sheet since 43 14Cky. <i>Quaternary International</i> , <b>2003</b> , 99-100, 29-43	2	24
28	<sup>40</sup> Ar/ <sup>39</sup> Ar ages and <sup>40</sup> Ar* concentrations of fine-grained sediment fractions from North Atlantic Heinrich layers. <i>Chemical Geology</i> , <b>2002</b> , 182, 583-603	4.2	26
27	Laschamp Excursion at Mono Lake?. <i>Earth and Planetary Science Letters</i> , <b>2002</b> , 197, 151-164	5.3	69
26	Provinciality of ice rafting in the North Atlantic: application of <sup>40</sup> Ar/ <sup>39</sup> Ar dating of individual ice rafted hornblende grains. <i>Quaternary International</i> , <b>2002</b> , 95-96, 75-85	2	19
25	Detrital Zircon Geochronology of Taconian and Acadian Foreland Sedimentary Rocks in New England. <i>Journal of Sedimentary Research</i> , <b>2001</b> , 71, 305-317	2.1	73
24	Paleoclimate. Climate swings come into focus. <i>Science</i> , <b>2001</b> , 294, 2308-9	33.3	67
23	Pb isotope compositions of modern deep sea turbidites. <i>Earth and Planetary Science Letters</i> , <b>2001</b> , 184, 489-503	5.3	77



22	Reduced North Atlantic Deep Water flux to the glacial Southern Ocean inferred from neodymium isotope ratios. <i>Nature</i> , <b>2000</b> , 405, 935-8	50.4	240
21	Evidence from $^{40}\text{Ar}/^{39}\text{Ar}$ Ages of Individual Hornblende Grains for Varying Laurentide Sources of Iceberg Discharges 22,000 to 10,500 yr B.P.. <i>Quaternary Research</i> , <b>2000</b> , 54, 372-383	1.9	40
20	Pb isotope measurements of sanidine monitor standards: implications for provenance analysis and tephrochronology. <i>Chemical Geology</i> , <b>2000</b> , 165, 331-337	4.2	11
19	$^{40}\text{Ar}/^{39}\text{Ar}$ and Pb-Pb study of individual hornblende and feldspar grains from southeastern Baffin Island glacial sediments: implications for the provenance of the Heinrich layers. <i>Canadian Journal of Earth Sciences</i> , <b>2000</b> , 37, 879-890	1.5	22
18	Climate change and the collapse of the Akkadian empire: Evidence from the deep sea. <i>Geology</i> , <b>2000</b> , 28, 379-382	5	33
17	A Reassessment of U-Th and $^{14}\text{C}$ Ages for Late-Glacial High-Frequency Hydrological Events at Searles Lake, California. <i>Quaternary Research</i> , <b>1998</b> , 49, 11-23	1.9	56
16	Provenance change coupled with increased clay flux during deglacial times in the western equatorial Atlantic. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>1998</b> , 142, 217-230	2.9	21
15	Provenance of Heinrich layers in core V28-82, northeastern Atlantic: $^{40}\text{Ar}/^{39}\text{Ar}$ ages of ice-rafted hornblende, Pb isotopes in feldspar grains, and Nd-Ba isotopes in the fine sediment fraction. <i>Earth and Planetary Science Letters</i> , <b>1998</b> , 164, 317-333	5.3	109
14	Pb isotope constraints on the provenance and diagenesis of detrital feldspars from the Sudbury Basin, Canada. <i>Earth and Planetary Science Letters</i> , <b>1996</b> , 142, 501-512	5.3	22
13	New $^{230}\text{Th}/\text{U}$ and $^{14}\text{C}$ ages from Lake Lahontan carbonates, Nevada, USA, and a discussion of the origin of initial thorium. <i>Geochimica Et Cosmochimica Acta</i> , <b>1996</b> , 60, 2817-2832	5.5	72
12	Tracking the sources of icebergs with lead isotopes: The provenance of ice-rafted debris in Heinrich layer 2. <i>Paleoceanography</i> , <b>1996</b> , 11, 77-93		89
11	Evidence from $^{40}\text{Ar}/^{39}\text{Ar}$ Ages for a Churchill province source of ice-rafted amphiboles in Heinrich layer 2. <i>Journal of Glaciology</i> , <b>1996</b> , 42, 440-446	3.4	33
10	Evidence from $^{40}\text{Ar}/^{39}\text{Ar}$ Ages for a Churchill province source of ice-rafted amphiboles in Heinrich layer 2. <i>Journal of Glaciology</i> , <b>1996</b> , 42, 440-446	3.4	28
9	Provenance of icebergs during Heinrich Event 3 and the contrast to their sources during other Heinrich episodes. <i>Paleoceanography</i> , <b>1996</b> , 11, 371-378		103
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2	Site U1474. <i>Proceedings of the International Ocean Discovery Program</i> ,		5
1	Data report: X-ray fluorescence core scanning of IODP Site U1474 sediments, Natal Valley, Southwest Indian Ocean, Expedition 361. <i>Proceedings of the International Ocean Discovery Program</i> ,		1