

Stewart Pht Freeman

List of Publications by Year in descending order

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86
papers

2,629
citations

159525

30
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214721

47
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86
all docs

86
docs citations

86
times ranked

2562
citing authors

#	ARTICLE	IF	CITATIONS
1	Ice-free valleys in the Neptune Range of the Pensacola Mountains, Antarctica: glacial geomorphology, geochronology and potential as palaeoenvironmental archives. <i>Antarctic Science</i> , 2021, 33, 428-455.	0.5	3
2	Combined unsteady denudation and climatic gradient factors constrain carbonate landscape evolution: New insights from in situ cosmogenic ^{36}Cl . <i>Quaternary Geochronology</i> , 2020, 58, 101075.	0.6	12
3	Identification of ^{129}I interferences in accelerator mass spectrometry. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 438, 96-100.	0.6	3
4	Analysis of ^{129}I and ^{127}I in soils of the Chernobyl Exclusion Zone, 29 years after the deposition of ^{129}I . <i>Science of the Total Environment</i> , 2019, 692, 966-974.	3.9	9
5	Carbonate and silicate intercomparison materials for cosmogenic ^{36}Cl measurements. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 455, 250-259.	0.6	12
6	Corrigendum to "The million-year evolution of the glacial trimline in the southernmost Ellsworth Mountains, Antarctica" [<i>Earth and Planetary Science Letters</i> 469 (2017) 42-52]. <i>Earth and Planetary Science Letters</i> , 2018, 502, 291-292.	1.8	0
7	Deglacial history of the Pensacola Mountains, Antarctica from glacial geomorphology and cosmogenic nuclide surface exposure dating. <i>Quaternary Science Reviews</i> , 2017, 158, 58-76.	1.4	24
8	The million-year evolution of the glacial trimline in the southernmost Ellsworth Mountains, Antarctica. <i>Earth and Planetary Science Letters</i> , 2017, 469, 42-52.	1.8	26
9	Rates of erosion and landscape change along the Blue Ridge escarpment, southern Appalachian Mountains, estimated from in situ cosmogenic ^{10}Be . <i>Earth Surface Processes and Landforms</i> , 2017, 42, 928-940.	1.2	22
10	Evidence for the stability of the West Antarctic Ice Sheet divide for 1.4 million years. <i>Nature Communications</i> , 2016, 7, 10325.	5.8	31
11	^{14}C levels in the vicinity of the Fukushima Dai-ichi Nuclear Power Plant prior to the 2011 accident. <i>Journal of Environmental Radioactivity</i> , 2016, 157, 90-96.	0.9	19
12	Iodine isotopes in precipitation: Four-year time series variations before and after 2011 Fukushima nuclear accident. <i>Journal of Environmental Radioactivity</i> , 2016, 155-156, 38-45.	0.9	12
13	Mid-Holocene pulse of thinning in the Weddell Sea sector of the West Antarctic ice sheet. <i>Nature Communications</i> , 2016, 7, 12511.	5.8	39
14	^{129}I and ^{137}Cs in groundwater in the vicinity of Fukushima Dai-ichi nuclear power plant. <i>Geochemical Journal</i> , 2016, 50, 287-291.	0.5	4
15	160 keV ^{26}Al -AMS with a single-stage accelerator mass spectrometer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 361, 307-310.	0.6	5
16	Performance of the rebuilt SUERC single-stage accelerator mass spectrometer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 361, 76-79.	0.6	4
17	Sputter-pits casting to measure AMS sample consumption. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 361, 168-172.	0.6	7
18	Decadal ^{10}Be , ^{26}Al and ^{36}Cl QA measurements on the SUERC 5 MV accelerator mass spectrometer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 361, 39-42.	0.6	28

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19	Speciation of Radiocesium and Radioiodine in Aerosols from Tsukuba after the Fukushima Nuclear Accident. <i>Environmental Science & Technology</i> , 2015, 49, 1017-1024.	4.6	59
20	Erosion rates in and around Shenandoah National Park, Virginia, determined using analysis of cosmogenic ¹⁰ Be. <i>Numerische Mathematik</i> , 2015, 315, 46-76.	0.7	17
21	Radiocarbon positive-ion mass spectrometry. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 361, 229-232.	0.6	22
22	Radiocarbon concentration in modern tree rings from Fukushima, Japan. <i>Journal of Environmental Radioactivity</i> , 2015, 146, 67-72.	0.9	25
23	Quantifying variable erosion rates to understand the coupling of surface processes in the Teton Range, Wyoming. <i>Geomorphology</i> , 2015, 228, 409-420.	1.1	7
24	²⁶ Al interferences in accelerator mass spectrometry measurements. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 333, 42-45.	0.6	8
25	In-situ cosmogenic ³⁶ Cl denudation rates of carbonates in Guizhou karst area. <i>Science Bulletin</i> , 2013, 58, 2473-2479.	1.7	31
26	Cl can interfere with Al ³⁺ AMS but B need not matter to Be measurement. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 294, 403-405.	0.6	8
27	Single-stage accelerator mass spectrometer radiocarbon-interference identification and positive-ionisation characterisation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 294, 353-355.	0.6	4
28	³⁶ Cl accelerator mass spectrometry with a bespoke instrument. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 294, 107-114.	0.6	16
29	Iodine Isotopes in Precipitation: Temporal Responses to ¹²⁹ I Emissions from the Fukushima Nuclear Accident. <i>Environmental Science & Technology</i> , 2013, 47, 10851-10859.	4.6	106
30	Paleoseismology of the Mejillones Fault, northern Chile: Insights from cosmogenic ¹⁰ Be and optically stimulated luminescence determinations. <i>Tectonics</i> , 2012, 31, .	1.3	35
31	Quality assurance in accelerator mass spectrometry: Results from an international round-robin exercise for ¹⁰ Be. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 289, 68-73.	0.6	21
32	Cosmogenic ¹⁰ Be and ²⁶ Al dating of paleolake shorelines in Tibet. <i>Journal of Asian Earth Sciences</i> , 2011, 41, 263-273.	1.0	55
33	Rapid deglaciation of Marguerite Bay, western Antarctic Peninsula in the Early Holocene. <i>Quaternary Science Reviews</i> , 2011, 30, 3338-3349.	1.4	48
34	Holocene deglacial history of the northeast Antarctic Peninsula – A review and new chronological constraints. <i>Quaternary Science Reviews</i> , 2011, 30, 3791-3802.	1.4	46
35	Deglacial history of the West Antarctic Ice Sheet in the Weddell Sea embayment: Constraints on past ice volume change: REPLY. <i>Geology</i> , 2011, 39, e240-e240.	2.0	8
36	Ultra-trace analysis of ³⁶ Cl by accelerator mass spectrometry: an interlaboratory study. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3125-3132.	1.9	56

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37	Cosmogenic nuclide exposure ages from the "Parallel Roads"™ of Glen Roy, Scotland. <i>Journal of Quaternary Science</i> , 2010, 25, 597-603.	1.1	30
38	Improved SSAMS performance. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 715-717.	0.6	40
39	Improved ³⁶ Cl AMS at 5MV. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 748-751.	0.6	23
40	Attempted positive ion radiocarbon AMS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 712-714.	0.6	5
41	Improved ¹⁰ Be and ²⁶ Al-AMS with a 5MV spectrometer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 736-738.	0.6	89
42	Comparison of ⁴¹ Ca analysis on 0.5MV and 5MV-AMS systems. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 752-755.	0.6	18
43	Carbon carbon detection: Diamond detectors and AMS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 851-853.	0.6	0
44	Deglacial history of the West Antarctic Ice Sheet in the Weddell Sea embayment: Constraints on past ice volume change. <i>Geology</i> , 2010, 38, 411-414.	2.0	138
45	¹⁰ Be chronology of the last deglaciation of County Donegal, northwestern Ireland. <i>Boreas</i> , 2009, 38, 111-118.	1.2	37
46	New ¹⁰ be cosmogenic ages from the vimmerby moraine confirm the timing of scandinavian ice sheet deglaciation in southern sweden. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2009, 91, 113-120.	0.6	22
47	Positive ion AMS with a single-stage accelerator and an RF-plasma ion source at SUERC. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 2229-2232.	0.6	5
48	Extent of the last ice sheet in northern Scotland tested with cosmogenic ¹⁰ Be exposure ages. <i>Journal of Quaternary Science</i> , 2008, 23, 101-107.	1.1	49
49	Performance of the new single stage accelerator mass spectrometer at the SUERC. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 2225-2228.	0.6	40
50	Towards more precise ¹⁰ Be and ³⁶ Cl data from measurements at the 10 ¹⁴ level: Influence of sample preparation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 4921-4926.	0.6	134
51	Southern Patagonian glacial chronology for the Last Glacial period and implications for Southern Ocean climate. <i>Quaternary Science Reviews</i> , 2008, 27, 284-294.	1.4	106
52	The deglacial history of southeast sector of the Greenland Ice Sheet during the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2008, 27, 1505-1516.	1.4	60
53	Single-grain cosmogenic ²¹ Ne concentrations in fluvial sediments reveal spatially variable erosion rates. <i>Geology</i> , 2008, 36, 159.	2.0	72
54	Cosmogenic ¹⁰ Be and ²⁶ Al ages of Holocene moraines in southern Norway I: testing the method and confirmation of the date of the Erdalen Event (<i>c</i> 10 ka) at its type-site. <i>Holocene</i> , 2008, 18, 1155-1164.	0.9	31

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55	129I/127I ratios in Scottish coastal surface sea water: Geographical and temporal responses to changing emissions. Applied Geochemistry, 2007, 22, 619-627.	1.4	22
56	129I/127I ratios in surface waters of the English Lake District. Applied Geochemistry, 2007, 22, 628-636.	1.4	18
57	Cosmogenic nuclide measurements in southernmost South America and implications for landscape change. Geomorphology, 2007, 87, 284-301.	1.1	55
58	First cosmogenic ¹⁰ Be age constraint on the timing of Younger Dryas glaciation and ice cap thickness, western Scottish Highlands. Journal of Quaternary Science, 2007, 22, 785-791.	1.1	40
59	SUERC AMS ion detection. Nuclear Instruments & Methods in Physics Research B, 2007, 259, 131-139.	0.6	53
60	The SUERC AMS laboratory after 3 years. Nuclear Instruments & Methods in Physics Research B, 2007, 259, 66-70.	0.6	41
61	The use of ¹⁴ C bomb spike calibration and high-precision AMS ¹⁴ C analyses to date salt-marsh sediments deposited during the past three centuries. Quaternary Research, 2007, 68, 325-337.	1.0	62
62	Cosmic-ray exposure age of Martian meteorite GRV 99027. Science in China Series D: Earth Sciences, 2007, 50, 1521-1524.	0.9	6
63	Inter-comparison in ¹⁰ Be analysis starting from pre-purified quartz. Nuclear Instruments & Methods in Physics Research B, 2007, 259, 571-575.	0.6	17
64	A gas ion source for radiocarbon measurement at SUERC. Nuclear Instruments & Methods in Physics Research B, 2007, 259, 76-82.	0.6	30
65	Cosmogenic ¹⁰ Be chronology of the last deglaciation of western Ireland, and implications for sensitivity of the Irish Ice Sheet to climate Change. Bulletin of the Geological Society of America, 2006, preprint, 1.	1.6	1
66	A new environmental sciences AMS laboratory in Scotland. Nuclear Instruments & Methods in Physics Research B, 2004, 223-224, 31-34.	0.6	22
67	Initial measurements with the SUERC accelerator mass spectrometer. Nuclear Instruments & Methods in Physics Research B, 2004, 223-224, 195-198.	0.6	13
68	Tips and traps in the ¹⁴ C bio-AMS preparation laboratory. Nuclear Instruments & Methods in Physics Research B, 2000, 172, 404-408.	0.6	45
69	The study of skeletal calcium metabolism with ⁴¹ Ca and ⁴⁵ Ca. Nuclear Instruments & Methods in Physics Research B, 2000, 172, 930-933.	0.6	39
70	Species and Strain Comparisons in the Macromolecular Binding of Extremely Low Doses of [¹⁴ C]Benzene in Rodents, Using Accelerator Mass Spectrometry. Toxicology and Applied Pharmacology, 1999, 159, 83-90.	1.3	16
71	Comparison of DNA-adduct and tissue-available dose levels of MeIQx in human and rodent colon following administration of a very low dose. , 1999, 80, 539-545.		46
72	Comparison of DNA-adduct and tissue-available dose levels of MeIQx in human and rodent colon following administration of a very low dose. International Journal of Cancer, 1999, 80, 539-545.	2.3	4

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73	Analytical Performance of Accelerator Mass Spectrometry and Liquid Scintillation Counting for Detection of ¹⁴ C-Labeled Atrazine Metabolites in Human Urine. <i>Analytical Chemistry</i> , 1998, 70, 3463-3469.	3.2	77
74	Distribution and metabolism of 2-amino-1-methyl-6-phenylimidazo[4,5- b]pyridine (PhIP) in female rats and their pups at dietary doses. <i>Carcinogenesis</i> , 1998, 19, 919-924.	1.3	27
75	The LLNL AMS facility. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997, 123, 57-61.	0.6	44
76	Elements in biological AMS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997, 123, 241-244.	0.6	10
77	Human calcium metabolism including bone resorption measured with ⁴¹ Ca tracer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997, 123, 266-270.	0.6	38
78	The bioscience nuclear microscopy program at LLNL. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997, 130, 419-425.	0.6	1
79	A preliminary evaluation of accelerator mass spectrometry in the biomedical field. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997, 16, 541-543.	1.4	41
80	Biomedical accelerator mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995, 143, 247-256.	1.9	22
81	Biological sample preparation and ⁴¹ Ca AMS measurement at LLNL. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995, 99, 557-561.	0.6	41
82	PXAMS "projectile X-ray AMS: X-ray yields and applications. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995, 99, 541-545.	0.6	23
83	Microbeam PIXE analysis using wavelength dispersive spectrometry. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995, 99, 427-430.	0.6	16
84	Imaging AMS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1994, 92, 231-236.	0.6	13
85	Imaging SIMS with an accelerator (and biomedical applications). <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993, 79, 627-630.	0.6	8
86	The design of a radiocarbon muprobe for tracer mapping in biological specimens. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1990, 52, 405-409.	0.6	7