Ian Hall

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.

128 8,688 45 91 h-index g-index citations papers 8.9 9,598 5.78 132 avg, IF L-index ext. citations ext. papers

#	Paper	IF	Citations
128	Little Change in Ice Age Water Mass Structure From Cape Basin Benthic Neodymium and Carbon Isotopes. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2021PA004281	3.3	1
127	Indo-Pacific Walker circulation drove Pleistocene African aridification. <i>Nature</i> , 2021 , 598, 618-623	50.4	5
126	Plio-Pleistocene Continental Hydroclimate and Indian Ocean Sea Surface Temperatures at the Southeast African Margin. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2020PA004186	3.3	3
125	Strong glacial-interglacial variability in upper ocean hydrodynamics, biogeochemistry, and productivity in the southern Indian Ocean. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	2
124	Latitudinal Migrations of the Subtropical Front at the Agulhas Plateau Through the Mid-Pleistocene Transition. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2020PA004084	3.3	O
123	Antarctic icebergs reorganize ocean circulation during Pleistocene glacials. <i>Nature</i> , 2021 , 589, 236-241	50.4	14
122	Southern Ocean carbon sink enhanced by sea-ice feedbacks at the Antarctic Cold Reversal. <i>Nature Geoscience</i> , 2020 , 13, 489-497	18.3	11
121	Natural drivers of multidecadal Arctic sea ice variability over the last millennium. <i>Scientific Reports</i> , 2020 , 10, 688	4.9	6
120	Late quaternary sea-ice and sedimentary redox conditions in the eastern Bering Sea Implications for ventilation of the mid-depth North Pacific and an Atlantic-Pacific seesaw mechanism. Quaternary Science Reviews, 2020, 248, 106549	3.9	O
119	A late Pleistocene dataset of Agulhas Current variability. Scientific Data, 2020, 7, 385	8.2	2
118	Multi-elemental composition of authigenic carbonates in benthic foraminifera from the eastern Bering Sea continental margin (International Ocean Discovery Program Site U1343). <i>Geochimica Et Cosmochimica Acta</i> , 2020 , 268, 1-21	5.5	9
117	An integrated carbon and oxygen isotope approach to reconstructing past environmental variability in the northeast Atlantic Ocean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019 , 523, 48-61	2.9	5
116	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> , 2019 , 20, 339-35	58 ^{3.6}	3
115	Anomalously weak Labrador Sea convection and Atlantic overturning during the past 150 years. <i>Nature</i> , 2018 , 556, 227-230	50.4	195
114	Sea ice dynamics across the Mid-Pleistocene transition in the Bering Sea. <i>Nature Communications</i> , 2018 , 9, 941	17.4	22
113	The last 1 million years of the extinct genus Discoaster: Plio P leistocene environment and productivity at Site U1476 (Mozambique Channel). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018 , 505, 187-197	2.9	7
112	Closure of the Bering Strait caused Mid-Pleistocene Transition cooling. <i>Nature Communications</i> , 2018 , 9, 5386	17.4	22

(2015-2018)

111	Isolating and Reconstructing Key Components of North Atlantic Ocean Variability From a Sclerochronological Spatial Network. <i>Paleoceanography and Paleoclimatology</i> , 2018 , 33, 1086-1098	3.3	8	
110	Analysis of ontogenetic growth trends in two marine Antarctic bivalves Yoldia eightsi and Laternula elliptica: Implications for sclerochronology. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017 , 465, 300-306	2.9	15	
109	Reconstructing Past Seasonal to Multicentennial-Scale Variability in the NE Atlantic Ocean Using the Long-Lived Marine Bivalve Mollusk Glycymeris glycymeris. <i>Paleoceanography</i> , 2017 , 32, 1153-1173		15	
108	North Atlantic variability and its links to European climate over the last 3000 years. <i>Nature Communications</i> , 2017 , 8, 1726	17.4	32	
107	Sea level fall during glaciation stabilized atmospheric CO by enhanced volcanic degassing. <i>Nature Communications</i> , 2017 , 8, 15867	17.4	19	
106	Biological and Climate Controls on North Atlantic Marine Carbon Dynamics Over the Last Millennium: Insights From an Absolutely Dated Shell-Based Record From the North Icelandic Shelf. <i>Global Biogeochemical Cycles</i> , 2017 , 31, 1718-1735	5.9	14	
105	Deglacial diatom production in the tropical North Atlantic driven by enhanced silicic acid supply. <i>Earth and Planetary Science Letters</i> , 2016 , 438, 122-129	5.3	17	
104	Multidecadal changes in Iceland Scotland Overflow Water vigor over the last 600 years and its relationship to climate. <i>Geophysical Research Letters</i> , 2016 , 43, 2111-2117	4.9	12	
103	Annually resolved North Atlantic marine climate over the last millennium. <i>Nature Communications</i> , 2016 , 7, 13502	17.4	54	
102	Chamber formation leads to Mg/Ca banding in the planktonic foraminifer Neogloboquadrina pachyderma. <i>Earth and Planetary Science Letters</i> , 2016 , 451, 177-184	5.3	25	
101	Changes in the strength of the Nordic Seas Overflows over the past 3000 years. <i>Quaternary Science Reviews</i> , 2015 , 123, 134-143	3.9	25	
100	Lunar periodicity in the shell flux of planktonic foraminifera in the Gulf of Mexico. <i>Biogeosciences</i> , 2015 , 12, 3061-3070	4.6	29	
99	Deep circulation changes in the central South Atlantic during the past 145 kyrs reflected in a combined 231 Pa/ 230 Th, Neodymium isotope and benthic 13 Tecord. Earth and Planetary Science Letters, 2015, 419, 14-21	5.3	33	
98	Glacial reduction and millennial-scale variations in Drake Passage throughflow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13496-501	11.5	51	
97	Correcting for the influence of ice-rafted detritus on grain size-based paleocurrent speed estimates. <i>Paleoceanography</i> , 2015 , 30, 1347-1357		25	
96	Salt exchange in the Indian-Atlantic Ocean Gateway since the Last Glacial Maximum: A compensating effect between Agulhas Current changes and salinity variations?. <i>Paleoceanography</i> , 2015 , 30, 1318-1327		20	
95	Eastern South African hydroclimate over the past 270,000 years. <i>Scientific Reports</i> , 2015 , 5, 18153	4.9	44	
94	High-latitude forcing of diatom productivity in the southern Agulhas Plateau during the past 350 kyr. <i>Paleoceanography</i> , 2015 , 30, 118-132		17	

93	Solar forcing of North Atlantic surface temperature and salinity over the past millennium. <i>Nature Geoscience</i> , 2014 , 7, 275-278	18.3	117
92	Surface changes in the eastern Labrador Sea around the onset of the Little Ice Age. <i>Paleoceanography</i> , 2014 , 29, 160-175		36
91	Multicentennial Agulhas leakage variability and links to North Atlantic climate during the past 80,000 years. <i>Paleoceanography</i> , 2014 , 29, 1238-1248		23
90	Agulhas salt-leakage oscillations during abrupt climate changes of the Late Pleistocene. <i>Paleoceanography</i> , 2013 , 28, 599-606		39
89	Millennial-scale Agulhas Current variability and its implications for salt-leakage through the Indian Atlantic Ocean Gateway. <i>Earth and Planetary Science Letters</i> , 2013 , 383, 101-112	5.3	39
88	Abrupt changes in deep Atlantic circulation during the transition to full glacial conditions. <i>Paleoceanography</i> , 2013 , 28, 253-262		41
87	Development of Middle Stone Age innovation linked to rapid climate change. <i>Nature Communications</i> , 2013 , 4, 1905	17.4	128
86	Millennial-scale changes in atmospheric CO2 levels linked to the Southern Ocean carbon isotope gradient and dust flux. <i>Nature Geoscience</i> , 2013 , 6, 457-461	18.3	51
85	Evidence of silicic acid leakage to the tropical Atlantic via Antarctic Intermediate Water during Marine Isotope Stage 4. <i>Paleoceanography</i> , 2013 , 28, 307-318		15
84	Long-term variations in IcelandBcotland overflow strength during the Holocene. <i>Climate of the Past</i> , 2013 , 9, 2073-2084	3.9	57
83	Glacial Southern Ocean freshening at the onset of the Middle Pleistocene Climate Transition. <i>Earth and Planetary Science Letters</i> , 2012 , 345-348, 194-202	5.3	18
82	Pleistocene biogeochemical record in the south-west Pacific Ocean (images site MD97-2114, Chatham Rise). <i>Journal of Quaternary Science</i> , 2012 , 27, 519-530	2.3	5
81	Multicentennial Variability of the Sea Surface Temperature Gradient across the Subpolar North Atlantic over the Last 2.8 kyr*,+. <i>Journal of Climate</i> , 2012 , 25, 4205-4219	4.4	45
80	Centennial- to millennial-scale ice-ocean interactions in the subpolar northeast Atlantic 18월1 kyr ago. <i>Paleoceanography</i> , 2011 , 26, n/a-n/a		24
79	Sea surface temperature variability in the subpolar Atlantic over the last two millennia. <i>Paleoceanography</i> , 2011 , 26,		66
78	Deep water flow speed and surface ocean changes in the subtropical North Atlantic during the last deglaciation. <i>Global and Planetary Change</i> , 2011 , 79, 255-263	4.2	11
77	Coupled deep-water flow and climate variability in the middle Pleistocene North Atlantic. <i>Geology</i> , 2011 , 39, 343-346	5	41
76	Dynamics of North Atlantic Deep Water masses during the Holocene. <i>Paleoceanography</i> , 2011 , 26,		74

75	On the role of the Agulhas system in ocean circulation and climate. <i>Nature</i> , 2011 , 472, 429-36	50.4	394
74	North Atlantic sea surface temperatures and their relation to the North Atlantic Oscillation during the last 230 years. <i>Climate Dynamics</i> , 2011 , 36, 533-543	4.2	31
73	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> , 2010 , 39, no-no	2.4	6
72	Reversed flow of Atlantic deep water during the Last Glacial Maximum. <i>Nature</i> , 2010 , 468, 84-8	50.4	72
71	Contrasting multiproxy reconstructions of surface ocean hydrography in the Agulhas Corridor and implications for the Agulhas Leakage during the last 345,000 years. <i>Paleoceanography</i> , 2010 , 25, n/a-n/a	1	55
70	Surface and deep ocean coupling in the subpolar North Atlantic during the last 230 years. <i>Paleoceanography</i> , 2010 , 25,		14
69	Investigating the Global Impacts of the Agulhas Current. <i>Eos</i> , 2010 , 91, 109-110	1.5	5
68	Intra-annual variability of extremely rapid sedimentation onto Gardar Drift in the northern North Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010 , 57, 1027-1038	2.5	4
67	A record of bottom water temperature and seawater 180 for the Southern Ocean over the past 440kyr based on Mg/Ca of benthic foraminiferal Uvigerina spp <i>Quaternary Science Reviews</i> , 2010 , 29, 160-169	3.9	104
66	Interhemispheric Atlantic seesaw response during the last deglaciation. <i>Nature</i> , 2009 , 457, 1097-102	50.4	378
65	Surface and deep-water hydrography on Gardar Drift (Iceland Basin) during the last interglacial period. <i>Earth and Planetary Science Letters</i> , 2009 , 288, 10-19	5.3	51
64	Growth, dynamics and deglaciation of the last BritishlFish ice sheet: the deep-sea ice-rafted detritus record. <i>Quaternary Science Reviews</i> , 2009 , 28, 3066-3084	3.9	163
63	Variable water column structure of the South Atlantic on glacialInterglacial time scales. <i>Quaternary Science Reviews</i> , 2009 , 28, 3379-3387	3.9	10
62	Deepwater circulation on Blake Outer Ridge (western North Atlantic) during the Holocene, Younger Dryas, and Last Glacial Maximum. <i>Geochemistry, Geophysics, Geosystems</i> , 2008 , 9, n/a-n/a	3.6	29
61	GlacialInterglacial changes in water mass structure and flow in the SW Pacific Ocean. <i>Quaternary Science Reviews</i> , 2008 , 27, 1886-1908	3.9	85
60	345,000-year-long multi-proxy records off South Africa document variable contributions of Northern versus Southern Component Water to the Deep South Atlantic. <i>Earth and Planetary Science Letters</i> , 2008 , 267, 309-321	5.3	20
59	Centennial-scale evolution of Dansgaard-Oeschger events in the northeast Atlantic Ocean between 39.5 and 56.5 ka B.P <i>Paleoceanography</i> , 2008 , 23, n/a-n/a		32
58	Millennial-scale surface and subsurface paleothermometry from the northeast Atlantic, 55 B ka BP. <i>Paleoceanography</i> , 2008 , 23, n/a-n/a		47

57	Phytoplankton calcification in a high-CO2 world. Science, 2008, 320, 336-40	33.3	588
56	Evidence for a multi-species coccolith volume change over the past two centuries: understanding a potential ocean acidification response. <i>Biogeosciences</i> , 2008 , 5, 1651-1655	4.6	22
55	Atlantic meridional overturning circulation during the Last Glacial Maximum. Science, 2007, 316, 66-9	33.3	291
54	Progressive reduction in NE Atlantic intermediate water ventilation prior to Heinrich events: Response to NW European ice sheet instabilities?. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n	/a ^{3.6}	24
53	Deglacial laminated facies on the NW European continental margin: The hydrographic significance of British-Irish Ice Sheet deglaciation and Fleuve Manche paleoriver discharges. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	47
52	Deep Western Boundary Current variability in the subtropical northwest Atlantic Ocean during marine isotope stages 12🛮 0. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	14
51	Centennial-scale variability of the British Ice Sheet: Implications for climate forcing and Atlantic meridional overturning circulation during the last deglaciation. <i>Paleoceanography</i> , 2007 , 22, n/a-n/a		59
50	Deep water variability on the southern Agulhas Plateau: Interhemispheric links over the past 170 ka. <i>Paleoceanography</i> , 2007 , 22, n/a-n/a		18
49	Intermediate water links to Deep Western Boundary Current variability in the subtropical NW Atlantic during marine isotope stages 5 and 4. <i>Paleoceanography</i> , 2007 , 22, n/a-n/a		22
48	North Atlantic climate and deep-ocean flow speed changes during the last 230 years. <i>Geophysical Research Letters</i> , 2007 , 34, n/a-n/a	4.9	50
47	Paleoceanography of the southern Agulhas Plateau during the last 150 ka: Inferences from benthic foraminiferal assemblages and multispecies epifaunal carbon isotopes. <i>Paleoceanography</i> , 2007 , 22, n/	a-n/a	17
46	Compositional variability of ice-rafted debris in Heinrich layers 1 and 2 on the northwest European continental slope identified by environmental magnetic analyses. <i>Journal of Quaternary Science</i> , 2007 , 22, 163-172	2.3	11
45	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> , 2007 , 26, 862-875	3.9	122
44	Magnetic proxy for the deep (Pacific) western boundary current variability across the mid-Pleistocene climate transition. <i>Earth and Planetary Science Letters</i> , 2007 , 259, 107-118	5.3	21
43	Transradial rescue angioplasty for failed thrombolysis in acute myocardial infarction: reperfusion with reduced vascular risk. <i>Heart</i> , 2006 , 92, 1153-4	5.1	13
42	Size sorting in marine muds: Processes, pitfalls, and prospects for paleoflow-speed proxies. <i>Geochemistry, Geophysics, Geosystems</i> , 2006 , 7, n/a-n/a	3.6	212
41	Accelerated drawdown of meridional overturning in the late-glacial Atlantic triggered by transient pre-H event freshwater perturbation. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	83
40	Surface and deep ocean interactions during the cold climate event 8200 years ago. <i>Science</i> , 2006 , 312, 1929-32	33.3	234

(2002-2006)

39	High resolution evidence for linkages between NW European ice sheet instability and Atlantic Meridional Overturning Circulation. <i>Earth and Planetary Science Letters</i> , 2006 , 243, 476-488	5.3	111
38	Contrasting conditions preceding MIS3 and MIS2 Heinrich events. <i>Global and Planetary Change</i> , 2006 , 54, 225-238	4.2	33
37	Percutaneous left and right heart catheterization in fully anticoagulated patients utilizing the radial artery and forearm vein: a two-center experience. <i>Journal of Interventional Cardiology</i> , 2006 , 19, 258-63	1.8	42
36	Laser vs. settling velocity differences in silt grainsize measurements: estimation of palaeocurrent vigour. <i>Sedimentology</i> , 2006 , 53, 919-928	3.3	62
35	Normal vascular aging: differential effects on wave reflection and aortic pulse wave velocity: the Anglo-Cardiff Collaborative Trial (ACCT). <i>Journal of the American College of Cardiology</i> , 2005 , 46, 1753-6	50 ^{15.1}	993
34	Planktonic foraminiferal evidence on late PlioceneQuaternary near surface water masses at ODP Site 1123B, northern Chatham Rise, east of New Zealand. <i>Marine Geology</i> , 2004 , 205, 127-145	3.3	10
33	Neogene palaeoceanography of Chatham Rise (Southwest Pacific) based on sediment geochemistry. <i>Marine Geology</i> , 2004 , 205, 207-225	3.3	7
32	Deep vein thrombosis in the arm following transradial cardiac catheterization: an unusual complication related to hemostatic technique. <i>Catheterization and Cardiovascular Interventions</i> , 2004 , 62, 346-8	2.7	9
31	Centennial to millennial scale Holocene climate-deep water linkage in the North Atlantic. <i>Quaternary Science Reviews</i> , 2004 , 23, 1529-1536	3.9	127
30	Demise of one volcanic zone and birth of another 12 m.y. marine record of major rhyolitic eruptions from New Zealand. <i>Geology</i> , 2003 , 31, 493	5	53
29	Paleocurrent reconstruction of the deep Pacific inflow during the middle Miocene: Reflections of East Antarctic Ice Sheet growth. <i>Paleoceanography</i> , 2003 , 18, n/a-n/a		42
28	Arterial stiffness and central blood pressure, as determined by pulse wave analysis, in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2003 , 62, 414-8	2.4	121
27	Turbidity of waters over the Northwest Iberian continental margin. <i>Progress in Oceanography</i> , 2002 , 52, 299-313	3.8	52
26	Particle residence times in surface waters over the north-western Iberian Margin: comparison of pre-upwelling and winter periods. <i>Journal of Marine Systems</i> , 2002 , 32, 3-11	2.7	13
25	Pulse-wave analysis: clinical evaluation of a noninvasive, widely applicable method for assessing endothelial function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002 , 22, 147-52	9.4	311
24	Major depositional events under the deep Pacific inflow. <i>Geology</i> , 2002 , 30, 487	5	16
23	Increased central pulse pressure and augmentation index in subjects with hypercholesterolemia. Journal of the American College of Cardiology, 2002 , 39, 1005-11	15.1	318
22	Multidecadal ocean variability and NW European ice sheet surges during the last deglaciation. <i>Geochemistry, Geophysics, Geosystems</i> , 2002 , 3, 1-9	3.6	29

21	Heart rate dependency of pulse pressure amplification and arterial stiffness. <i>American Journal of Hypertension</i> , 2002 , 15, 24-30	2.3	274
20	Intensified deep Pacific inflow and ventilation in Pleistocene glacial times. <i>Nature</i> , 2001 , 412, 809-12	50.4	174
19	Pressure amplification explains why pulse pressure is unrelated to risk in young subjects. <i>Hypertension</i> , 2001 , 38, 1461-6	8.5	223
18	Age, origin and climatic signal of English Mesozoic clays based on K/Ar signatures. <i>Clay Minerals</i> , 2001 , 36, 515-539	1.3	23
17	Distribution, composition and flux of particulate material over the European margin at 47년0인. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001 , 48, 3107-3139	2.3	102
16	Benthic dynamics and carbon fluxes on the NW European continental margin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001 , 48, 3191-3221	2.3	35
15	Particulate matter distribution and T234h/U238 disequilibrium along the Northern Iberian Margin: implications for particulate organic carbon export. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2000 , 47, 557-582	2.5	41
14	Palaeocurrent reconstruction, sediment and thorium focussing on the Iberian margin over the last 140 ka. <i>Earth and Planetary Science Letters</i> , 2000 , 178, 151-164	5.3	68
13	The origin of Heinrich layers: evidence from H2 for European precursor events. <i>Earth and Planetary Science Letters</i> , 2000 , 182, 187-195	5.3	117
12	Measurement of the sortable silt current speed proxy using the Sedigraph 5100 and Coulter Multisizer IIe: precision and accuracy. <i>Sedimentology</i> , 1999 , 46, 1001-1014	3.3	75
11	Seasonal variations in the cycling of aluminium, cadmium and manganese in a Scottish sea loch: biogeochemical processes involving suspended particles. <i>Continental Shelf Research</i> , 1999 , 19, 1783-18	08.4	6
10	Ocean Margin Exchange (OMEX I) benthic processes study. <i>Progress in Oceanography</i> , 1998 , 42, 1-4	3.8	25
9	Recent sediments, sediment accumulation and carbon burial at Goban Spur, N.W. European Continental Margin (47년0년N). <i>Progress in Oceanography</i> , 1998 , 42, 5-35	3.8	61
8	Glacial-interglacial variation in organic carbon burial on the slope of the N.W. European Continental Margin (48ੴ0LN). <i>Progress in Oceanography</i> , 1998 , 42, 37-60	3.8	25
7	Factors governing abundance of hydrolyzable amino acids in the sediments from the N.W. European Continental Margin (47日0代). <i>Progress in Oceanography</i> , 1998 , 42, 145-164	3.8	47
6	The distribution of Al in the IOC stations of the North Atlantic and Norwegian Sea between 52🛘and 65🖺North. <i>Marine Chemistry</i> , 1998 , 61, 69-85	3.7	26
5	Coherent deep flow variation in the Iceland and American basins during the last interglacial. <i>Earth and Planetary Science Letters</i> , 1998 , 164, 15-21	5.3	32
4	Late Glacial to Recent accumulation fluxes of sediments at the shelf edge and slope of NW Europe, 48B0lN. <i>Geological Society Special Publication</i> , 1998 , 129, 339-350	1.7	12

LIST OF PUBLICATIONS

3	Dissolved and particulate trace metals in a Scottish sea loch: an example of a pristine environment?. <i>Marine Pollution Bulletin</i> , 1996 , 32, 846-854	6.7	23
2	Site U1474. Proceedings of the International Ocean Discovery Program,		5
1	Long-term variations in IcelandBcotland overflow strength during the Holocene		4