

# Frédérique Eynaud

## List of Publications by Year in descending order

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97  
papers

6,101  
citations

94433

37  
h-index

74163

75  
g-index

117  
all docs

117  
docs citations

117  
times ranked

5719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraints on the magnitude and patterns of ocean cooling at the Last Glacial Maximum. <i>Nature Geoscience</i> , 2009, 2, 127-132.	12.9	517
2	The Cenozoic palaeoenvironment of the Arctic Ocean. <i>Nature</i> , 2006, 441, 601-605.	27.8	471
3	Arctic hydrology during global warming at the Palaeocene/Eocene thermal maximum. <i>Nature</i> , 2006, 442, 671-675.	27.8	410
4	High resolution palynological record off the Iberian margin: direct land-sea correlation for the Last Interglacial complex. <i>Earth and Planetary Science Letters</i> , 1999, 171, 123-137.	4.4	364
5	Dinoflagellate cyst assemblages as tracers of sea-surface conditions in the northern North Atlantic, Arctic and sub-Arctic seas: the new $n=677$ data base and its application for quantitative palaeoceanographic reconstruction. <i>Journal of Quaternary Science</i> , 2001, 16, 681-698.	2.1	303
6	Episodic fresh surface waters in the Eocene Arctic Ocean. <i>Nature</i> , 2006, 441, 606-609.	27.8	284
7	Reconstruction of sea-surface conditions at middle to high latitudes of the Northern Hemisphere during the Last Glacial Maximum (LGM) based on dinoflagellate cyst assemblages. <i>Quaternary Science Reviews</i> , 2005, 24, 897-924.	3.0	283
8	European Climatic Response to Millennial-Scale Changes in the Atmosphere-Ocean System during the Last Glacial Period. <i>Quaternary Research</i> , 2000, 54, 394-403.	1.7	226
9	Timing of massive "Fleuve Manche" discharges over the last 350kyr: insights into the European ice-sheet oscillations and the European drainage network from MIS 10 to 2. <i>Quaternary Science Reviews</i> , 2009, 28, 1238-1256.	3.0	173
10	Position of the Polar Front along the western Iberian margin during key cold episodes of the last 45 ka. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	154
11	New Arabian Sea records help decipher orbital timing of Indo-Asian monsoon. <i>Earth and Planetary Science Letters</i> , 2011, 308, 433-444.	4.4	137
12	Millennial-scale fluctuations of the European Ice Sheet at the end of the last glacial, and their potential impact on global climate. <i>Quaternary Science Reviews</i> , 2015, 123, 113-133.	3.0	122
13	A 1.2Ma record of glaciation and fluvial discharge from the West European Atlantic margin. <i>Quaternary Science Reviews</i> , 2009, 28, 2974-2981.	3.0	113
14	Comparing proxies for the reconstruction of LGM sea-surface conditions in the northern North Atlantic. <i>Quaternary Science Reviews</i> , 2006, 25, 2820-2834.	3.0	108
15	Initiation of the European deglaciation as recorded in the northwestern Bay of Biscay slope environments (Meriadzek Terrace and Trevelyan Escarpment): a multi-proxy approach. <i>Earth and Planetary Science Letters</i> , 2001, 188, 493-507.	4.4	105
16	The first estimation of Fleuve Manche palaeoriver discharge during the last deglaciation: Evidence for Fennoscandian ice sheet meltwater flow in the English Channel ca 20-18 ka ago. <i>Earth and Planetary Science Letters</i> , 2010, 290, 459-473.	4.4	85
17	Low-latitude "dusty events" vs. high-latitude "icy Heinrich Events". <i>Quaternary Research</i> , 2007, 68, 379-386.	1.7	84
18	The impact of the last European deglaciation on the deep-sea turbidite systems of the Celtic-Armorican margin (Bay of Biscay). <i>Geo-Marine Letters</i> , 2006, 26, 317-329.	1.1	81

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19	European climate optimum and enhanced Greenland melt during the Last Interglacial. <i>Geology</i> , 2012, 40, 627-630.	4.4	78
20	African humid periods triggered the reactivation of a large river system in Western Sahara. <i>Nature Communications</i> , 2015, 6, 8751.	12.8	74
21	Sea-surface distribution of coccolithophores, diatoms, silicoflagellates and dinoflagellates in the South Atlantic Ocean during the late austral summer 1995. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1999, 46, 451-482.	1.4	73
22	High-throughput DNA sequencing of ancient wood. <i>Molecular Ecology</i> , 2018, 27, 1138-1154.	3.9	73
23	A two-million-year-long hydroclimatic context for hominin evolution in southeastern Africa. <i>Nature</i> , 2018, 560, 76-79.	27.8	73
24	Activity of the turbidite levees of the Celtic-Armorican margin (Bay of Biscay) during the last 30,000 years: Imprints of the last European deglaciation and Heinrich events. <i>Marine Geology</i> , 2008, 247, 84-103.	2.1	71
25	Distribution of common modern dinoflagellate cyst taxa in surface sediments of the Northern Hemisphere in relation to environmental parameters: The new n=1968 database. <i>Marine Micropaleontology</i> , 2020, 159, 101796.	1.2	65
26	Direct land/sea correlation of the Eemian, and its comparison with the Holocene: a high-resolution palynological record off the Iberian margin. <i>Geologie En Mijnbouw/Netherlands Journal of Geosciences</i> , 2000, 79, 345-354.	0.9	63
27	Consistently dated Atlantic sediment cores over the last 40 thousand years. <i>Scientific Data</i> , 2019, 6, 165.	5.3	63
28	Quaternary paleoceanography of the central Arctic based on Integrated Ocean Drilling Program Arctic Coring Expedition 302 foraminiferal assemblages. <i>Paleoceanography</i> , 2008, 23, .	3.0	58
29	Terrigenous fluxes at the Celtic margin during the last glacial cycle. <i>Marine Geology</i> , 2002, 188, 79-108.	2.1	57
30	Evidence for delayed poleward expansion of North Atlantic surface waters during the last interglacial (MIS 5e). <i>Quaternary Science Reviews</i> , 2011, 30, 934-946.	3.0	57
31	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.	2.5	51
32	Contrasting paleoceanographic conditions off Morocco during Heinrich events (1 and 2) and the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2010, 29, 1923-1939.	3.0	51
33	Evidence for a three-phase sequence during Heinrich Stadial 4 using a multiproxy approach based on Greenland ice core records. <i>Climate of the Past</i> , 2014, 10, 2115-2133.	3.4	49
34	Multi-centennial variability of the AMOC over the Holocene: A new reconstruction based on multiple proxy-derived SST records. <i>Global and Planetary Change</i> , 2018, 170, 172-189.	3.5	46
35	Dinoflagellate cyst evidence of "Heinrich-like events" off Portugal during the Marine Isotopic Stage 5. <i>Marine Micropaleontology</i> , 2000, 40, 9-21.	1.2	45
36	An overview and brief description of common marine organic-walled dinoflagellate cyst taxa occurring in surface sediments of the Northern Hemisphere. <i>Marine Micropaleontology</i> , 2020, 159, 101814.	1.2	45

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37	Interglacial variability (MIS 5 and MIS 7) and dinoflagellate cyst assemblages in the Bay of Biscay (North Atlantic). <i>Marine Micropaleontology</i> , 2008, 68, 136-155.	1.2	43
38	Comparison of the Holocene and Eemian palaeoenvironments in the South Icelandic Basin: dinoflagellate cysts as proxies for the North Atlantic surface circulation. <i>Review of Palaeobotany and Palynology</i> , 2004, 128, 55-79.	1.5	41
39	Contrasting sea-surface responses between the western Mediterranean Sea and eastern subtropical latitudes of the North Atlantic during abrupt climatic events of MIS 3. <i>Marine Micropaleontology</i> , 2011, 80, 1-17.	1.2	36
40	What forced the collapse of European ice sheets during the last two glacial periods (150kaB.P. and 66-78).	2.3	33
41	New constraints on European glacial freshwater releases to the North Atlantic Ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	33
42	High resolution Holocene record in the southeastern Bay of Biscay: Global versus regional climate signals. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 377, 28-44.	2.3	33
43	Northward advection of Atlantic water in the eastern Nordic Seas over the last 3000 yr. <i>Climate of the Past</i> , 2013, 9, 1505-1518.	3.4	32
44	Palaeoclimatology and palaeohydrography of the glacial stages on Celtic and Armorican margins over the last 360000 yrs. <i>Marine Geology</i> , 2005, 224, 57-82.	2.1	30
45	An 18 000-year pollen and sedimentary record from the cedar forests of the Middle Atlas, Morocco. <i>Journal of Quaternary Science</i> , 2014, 29, 423-432.	2.1	29
46	The deglacial to postglacial marine environments of the Barents Sea: A review. <i>Journal of Marine Research</i> , 2012, 70, 141-179.	2.1	28
47	Paleoceanographic history of the Northwest Pacific Ocean over the past 740 kyr, discerned from radiolarian fauna. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 396, 26-40.	2.3	28
48	Enhanced surface melting of the Fennoscandian Ice Sheet during periods of North Atlantic cooling. <i>Geology</i> , 2019, 47, 664-668.	4.4	27
49	Paleoceanography of the Mauritanian margin during the last two climatic cycles: From planktonic foraminifera to African climate dynamics. <i>Marine Micropaleontology</i> , 2011, 79, 67-79.	1.2	26
50	Norwegian sea-surface palaeoenvironments of marine oxygen-isotope stage 3: the paradoxical response of dinoflagellate cysts. <i>Journal of Quaternary Science</i> , 2002, 17, 349-359.	2.1	25
51	Planktic foraminiferal production along an offshore-onshore transect in the south-eastern Bay of Biscay. <i>Continental Shelf Research</i> , 2009, 29, 1123-1135.	1.8	24
52	Changes in Holocene meridional circulation and poleward Atlantic flow: the Bay of Biscay as a nodal point. <i>Climate of the Past</i> , 2017, 13, 201-216.	3.4	24
53	2000 years of frequent turbidite activity in the Capbreton Canyon (Bay of Biscay). <i>Marine Geology</i> , 2014, 347, 136-152.	2.1	23
54	Southern Hemisphere imprint for Indo-Asian summer monsoons during the last glacial period as revealed by Arabian Sea productivity records. <i>Biogeosciences</i> , 2013, 10, 7347-7359.	3.3	22

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55	Assessment of sea surface temperature changes in the Gulf of Cadiz during the last 30 ka: implications for glacial changes in the regional hydrography. <i>Biogeosciences</i> , 2011, 8, 2295-2316.	3.3	20
56	Planktonic foraminifera in the Arctic: potentials and issues regarding modern and quaternary populations. <i>IOP Conference Series: Earth and Environmental Science</i> , 2011, 14, 012005.	0.3	19
57	Oceanic versus continental influences over the last 7 kyrs from a mid-shelf record in the northern Bay of Biscay (NE Atlantic). <i>Quaternary Science Reviews</i> , 2020, 229, 106135.	3.0	19
58	Climate change and ecosystems dynamics over the last 6000 years in the Middle Atlas, Morocco. <i>Climate of the Past</i> , 2016, 12, 1029-1042.	3.4	18
59	Norwegian Sea warm pulses during Dansgaard-Oeschger stadials: Zooming in on these anomalies over the 35â€“41 ka cal BP interval and their impacts on proximal European ice-sheet dynamics. <i>Quaternary Science Reviews</i> , 2016, 151, 255-272.	3.0	17
60	Monsoonal Forcing of European Iceâ€“Sheet Dynamics During the Late Quaternary. <i>Geophysical Research Letters</i> , 2018, 45, 7066-7074.	4.0	17
61	Dinoflagellate cyst population evolution throughout past interglacials: Key features along the Iberian margin and insights from the new IODP Site U1385 (Exp 339). <i>Global and Planetary Change</i> , 2016, 136, 52-64.	3.5	16
62	Distribution and (palaeo)ecological affinities of the main <i>Spiniferites</i> taxa in the mid-high latitudes of the Northern Hemisphere. <i>Palynology</i> , 2018, 42, 182-202.	1.5	16
63	Deciphering long-term coastal dynamics using IR-RF and ESR dating: a case study from Mâ€“doc, south-west France. <i>Quaternary Geochronology</i> , 2018, 48, 108-120.	1.4	16
64	CANYON HEADS AND RIVER PLUMES: HOW MIGHT THEY INFLUENCE NERITIC PLANKTONIC FORAMINIFERA COMMUNITIES IN THE SE BAY OF BISCAY?. <i>Journal of Foraminiferal Research</i> , 2012, 42, 257-269.	0.5	14
65	Human-induced river runoff overlapping natural climate variability over the last 150 years: Palynological evidence (Bay of Brest, NW France). <i>Global and Planetary Change</i> , 2018, 160, 109-122.	3.5	14
66	An oceanâ€“ice coupled response during the last glacial: a view from a marine isotopic stage 3 record south of the Faeroe Shetland Gateway. <i>Climate of the Past</i> , 2012, 8, 1997-2017.	3.4	13
67	Spatial distribution of benthic foraminiferal stable isotopes and dinocyst assemblages in surface sediments of the Trondheimsfjord, central Norway. <i>Biogeosciences</i> , 2013, 10, 4433-4448.	3.3	13
68	Stratification of surface waters during the last glacial millennial climatic events: a key factor in subsurface and deep-water mass dynamics. <i>Climate of the Past</i> , 2015, 11, 1507-1525.	3.4	12
69	High frequency environmental changes and deposition processes in a 2â€“kyr-long sedimentological record from the Cap-Breton canyon (Bay of Biscay). <i>Holocene</i> , 2015, 25, 348-365.	1.7	12
70	Palaeohydrological changes over the last 50â€“ky in the central Gulf of Cadiz: complex forcing mechanisms mixing multi-scale processes. <i>Biogeosciences</i> , 2016, 13, 5357-5377.	3.3	12
71	Holocene paleoceanography of the Bay of Biscay: Evidence for west-east linkages in the North Atlantic based on dinocyst data. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 468, 403-413.	2.3	12
72	Millennial-scale variations of the Holocene North Atlantic mid-depth gyre inferred from radiocarbon and neodymium isotopes in cold water corals. <i>Quaternary Science Reviews</i> , 2019, 211, 93-106.	3.0	12

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73	The southern Norwegian Sea during the last 45 ka: hydrographical reorganizations under changing ice-sheet dynamics. <i>Journal of Quaternary Science</i> , 2017, 32, 908-922.	2.1	11
74	The morphotypes of <i>Neogloboquadrina pachyderma</i> : Isotopic signature and distribution patterns in the Canadian Arctic Archipelago and adjacent regions. <i>Marine Micropaleontology</i> , 2018, 142, 13-24.	1.2	11
75	Impact of freshwater release in the Mediterranean Sea on the North Atlantic climate. <i>Climate Dynamics</i> , 2019, 53, 3893-3915.	3.8	11
76	Sea-surface hydrographical conditions off South Faeroes and within the North-Eastern North Atlantic through MIS 2: the response of dinocysts. <i>Journal of Quaternary Science</i> , 2013, 28, 217-228.	2.1	10
77	Regional seesaw between the North Atlantic and Nordic Seas during the last glacial abrupt climate events. <i>Climate of the Past</i> , 2017, 13, 729-739.	3.4	10
78	Improving North Atlantic Marine Core Chronologies Using <sup>230</sup> Th Normalization. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1057-1073.	2.9	9
79	Modern relationships between microscopic charcoal in marine sediments and fire regimes on adjacent landmasses to refine the interpretation of marine paleofire records: An Iberian case study. <i>Quaternary Science Reviews</i> , 2021, 270, 107148.	3.0	9
80	The impact of African aridity on the isotopic signature of Atlantic deep waters across the Middle Pleistocene Transition. <i>Quaternary Research</i> , 2012, 77, 182-191.	1.7	8
81	Changements côtiers holocènes le long de l'estuaire de la Gironde: nouvelles données à partir du système plage/dune de la péninsule du nord-ouest. <i>Quaternaire</i> , 2019, , 47-75.	0.2	8
82	Compiling multiproxy quantitative hydrographic data from Holocene marine archives in the North Atlantic: A way to decipher oceanic and climatic dynamics and natural modes?. <i>Global and Planetary Change</i> , 2018, 170, 48-61.	3.5	7
83	Millennial-scale Holocene hydrological changes in the northeast Atlantic: New insights from the Grande Vasière mid-shelf mud belt. <i>Holocene</i> , 2019, 29, 467-480.	1.7	7
84	Qualitative and quantitative reconstructions of surface water characteristics and recent hydrographical changes in the Trondheimsfjord, central Norway. <i>Climate of the Past</i> , 2014, 10, 305-323.	3.4	6
85	Spatio-temporal dynamics of hydrographic reorganizations and iceberg discharges at the junction between the Northeast Atlantic and Norwegian Sea basins surrounding Heinrich event 4. <i>Earth and Planetary Science Letters</i> , 2018, 481, 236-245.	4.4	5
86	Humans and their environment on the Atlantic coastline from the Mesolithic to the roman period. <i>Quaternaire</i> , 2019, , 77-75.	0.2	5
87	Lateglacial and Holocene sedimentary dynamics in northwestern Baffin Bay as recorded in sediment cores from Cape Norton Shaw Inlet (Nunavut, Canada). <i>Boreas</i> , 0, , .	2.4	5
88	Comments to Westaway and Bridgland "Causes, consequences and chronology of large-magnitude palaeoflows in Middle and Late Pleistocene river systems of northwest Europe". <i>Earth Surface Processes and Landforms</i> , 2011, 36, 1410-1413.	2.5	4
89	Holocene palaeoenvironmental evolution of the Atlantic peninsula (SW France): insights from the sedimentological study of the site of the archaeological site. <i>Quaternaire</i> , 2019, , 31-46.	0.2	4
90	Onshore and offshore evidences for four abrupt warming episodes during MIS 6 at the westernmost tip of continental Europe: did they control the migrations of Neanderthals?. <i>Quaternary International</i> , 2019, 534, 103-115.	1.5	3

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91	Imprint of seasonality changes on fluvio-glacial dynamics across Heinrich Stadial 1 (NE Atlantic) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.5	3
92	Ocean Productivity in the Gulf of Cadiz Over the Last 50 kyr. Paleocyanography and Paleoclimatology, 2022, 37, .	2.9	3
93	Human settlement and landscape dynamics on the coastline south of the Gironde estuary (SW France): A multi-proxy approach. Journal of Island and Coastal Archaeology, 0, , 1-22.	1.4	2
94	Fouiller sur lâ€™estranâ€™: des contraintes et des opportunitÃ©s. Les Nouvelles De L'archÃ©ologie, 2019, , 48-52.0	2.0	1
95	Holocene climate dynamics on the European scale: Insights from a coastal archaeological record from the temperate Bay of Biscay (SW France). Quaternary International, 2022, 613, 46-60.	1.5	1
96	Foreword: North-MÃ©doc quaternary formations as indicators of change in European environments and associated human settlements: new insights after the "LITAQ project". Quaternaire, 2019, , 1-4.	0.2	1
97	Are Past Sea-Ice Reconstructions Based on Planktonic Foraminifera Realistic? Study of the Last 50 ka as a Test to Validate Reconstructed Paleohydrography Derived from Transfer Functions Applied to Their Fossil Assemblages. Geosciences (Switzerland), 2021, 11, 409.	2.2	0