

Mary E Edwards

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.

83
papers

4,657
citations

32
h-index

67
g-index

87
ext. papers

5,583
ext. citations

6.7
avg, IF

5.02
L-index

#	Paper	IF	Citations
83	Late Pleistocene shrub expansion preceded megafauna turnover and extinctions in eastern Beringia.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
82	Late Quaternary dynamics of Arctic biota from ancient environmental genomics. <i>Nature</i> , 2021 , 600, 86-92	30.4	12
81	Effects of Holocene climate change, volcanism and mass migration on the ecosystem of a small, dry island (Brava, Cabo Verde). <i>Journal of Biogeography</i> , 2021 , 48, 1392-1405	4.1	2
80	Sedimentary ancient DNA shows terrestrial plant richness continuously increased over the Holocene in northern Fennoscandia. <i>Science Advances</i> , 2021 , 7,	14.3	5
79	Anthropogenic transitions from forested to human-dominated landscapes in southern Macaronesia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
78	Tracking late-Quaternary extinctions in interior Alaska using megaherbivore bone remains and dung fungal spores. <i>Quaternary Research</i> , 2020 , 97, 99-110	1.9	3
77	Last Glacial Maximum environmental conditions at Andøya, northern Norway; evidence for a northern ice-edge ecological hotspot <i>Quaternary Science Reviews</i> , 2020 , 239, 106364	3.9	16
76	The maturing relationship between Quaternary paleoecology and ancient sedimentary DNA. <i>Quaternary Research</i> , 2020 , 96, 39-47	1.9	8
75	Using multiple palaeoecological indicators to guide biodiversity conservation in tropical dry islands: The case of Sã Nicolau, Cabo Verde. <i>Biological Conservation</i> , 2020 , 242, 108397	6.2	8
74	A 24,000-year ancient DNA and pollen record from the Polar Urals reveals temporal dynamics of arctic and boreal plant communities. <i>Quaternary Science Reviews</i> , 2020 , 247, 106564	3.9	10
73	Late Holocene environmental change and the anthropization of the highlands of Santo Antã Island, Cabo Verde. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019 , 524, 101-117	2.9	13
72	Holocene Thermokarst Lake Dynamics in Northern Interior Alaska: The Interplay of Climate, Fire, and Subsurface Hydrology. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	9
71	Persistence of arctic-alpine flora during 24,000 years of environmental change in the Polar Urals. <i>Scientific Reports</i> , 2019 , 9, 19613	4.9	22
70	Holocene floristic diversity and richness in northeast Norway revealed by sedimentary ancient DNA (sedaDNA) and pollen. <i>Boreas</i> , 2019 , 48, 299-316	2.4	23
69	Clitellate worms (Annelida) in lateglacial and Holocene sedimentary DNA records from the Polar Urals and northern Norway. <i>Boreas</i> , 2019 , 48, 317-329	2.4	7
68	Assembly of Alaska-Yukon boreal steppe communities: Testing biogeographic hypotheses via modern ecological distributions. <i>Journal of Systematics and Evolution</i> , 2018 , 56, 466-475	2.9	9
67	Ancient environmental DNA reveals shifts in dominant mutualisms during the late Quaternary. <i>Nature Communications</i> , 2018 , 9, 139	17.4	14

66	Vegetation transitions drive the autotrophy:heterotrophy balance in Arctic lakes. <i>Limnology and Oceanography Letters</i> , 2018 , 3, 246-255	7.9	12
65	Metabarcoding of modern soil DNA gives a highly local vegetation signal in Svalbard tundra. <i>Holocene</i> , 2018 , 28, 2006-2016	2.6	20
64	Plant DNA metabarcoding of lake sediments: How does it represent the contemporary vegetation. <i>PLoS ONE</i> , 2018 , 13, e0195403	3.7	66
63	Past and future global transformation of terrestrial ecosystems under climate change. <i>Science</i> , 2018 , 361, 920-923	33.3	179
62	Preliminary paleoenvironmental analysis of permafrost deposits at Batagaika megaslump, Yana Uplands, northeast Siberia. <i>Quaternary Research</i> , 2017 , 87, 314-330	1.9	38
61	Vegetation of Eurasia from the last glacial maximum to present: Key biogeographic patterns. <i>Quaternary Science Reviews</i> , 2017 , 157, 80-97	3.9	109
60	Chronology and glass chemistry of tephra and cryptotephra horizons from lake sediments in northern Alaska, USA. <i>Quaternary Research</i> , 2017 , 88, 169-178	1.9	6
59	Evaluating consistency of stakeholder input into participatory GIS-based multiple criteria evaluation: a case study of ecotourism development in Kurdistan. <i>Journal of Environmental Planning and Management</i> , 2017 , 60, 1529-1553	2.8	3
58	Lake sedimentary DNA accurately records 20 Century introductions of exotic conifers in Scotland. <i>New Phytologist</i> , 2017 , 213, 929-941	9.8	51
57	Sedimentary ancient DNA from Lake Skartjvha, Svalbard: Assessing the resilience of arctic flora to Holocene climate change. <i>Holocene</i> , 2016 , 26, 627-642	2.6	61
56	Long-term perspectives on terrestrial and aquatic carbon cycling from palaeolimnology. <i>Wiley Interdisciplinary Reviews: Water</i> , 2016 , 3, 211-234	5.7	19
55	The evolution of a thermokarst-lake landscape: Late Quaternary permafrost degradation and stabilization in interior Alaska. <i>Sedimentary Geology</i> , 2016 , 340, 3-14	2.8	26
54	Facies analysis of yedoma thermokarst lakes on the northern Seward Peninsula, Alaska. <i>Sedimentary Geology</i> , 2016 , 340, 25-37	2.8	30
53	Arctic lakes show strong decadal trend in earlier spring ice-out. <i>Scientific Reports</i> , 2016 , 6, 38449	4.9	57
52	Cover Image, Volume 3, Issue 2. <i>Wiley Interdisciplinary Reviews: Water</i> , 2016 , 3, i	5.7	1
51	A refined mapping of Arctic lakes using Landsat imagery. <i>International Journal of Remote Sensing</i> , 2015 , 36, 5970-5982	3.1	29
50	Palaeoenvironmental Interpretation of Yedoma Silt (Ice Complex) Deposition as Cold-Climate Loess, Duvanny Yar, Northeast Siberia. <i>Permafrost and Periglacial Processes</i> , 2015 , 26, 208-288	4.2	73
49	Early-Holocene warming in Beringia and its mediation by sea-level and vegetation changes. <i>Climate of the Past</i> , 2015 , 11, 1197-1222	3.9	12

48	Examining change in complex social-ecological systems using multiple long-term records: the New Forest case study. <i>WIT Transactions on the Built Environment</i> , 2015 , 273-287	3	0
47	Fifty thousand years of Arctic vegetation and megafaunal diet. <i>Nature</i> , 2014 , 506, 47-51	50.4	351
46	Climate refugia: joint inference from fossil records, species distribution models and phylogeography. <i>New Phytologist</i> , 2014 , 204, 37-54	9.8	258
45	Tundra and boreal forest of interior Alaska during terminal MIS 6 and MIS 5e. <i>Vegetation History and Archaeobotany</i> , 2014 , 23, 177-193	2.6	5
44	A 31,000 year record of paleoenvironmental and lake-level change from Harding Lake, Alaska, USA. <i>Quaternary Science Reviews</i> , 2014 , 87, 98-113	3.9	27
43	Constraints on post-glacial boreal tree expansion out of far-northern refugia. <i>Global Ecology and Biogeography</i> , 2014 , 23, 1198-1208	6.1	16
42	Building the niche through time: using 13,000 years of data to predict the effects of climate change on three tree species in Europe. <i>Global Ecology and Biogeography</i> , 2013 , 22, 302-317	6.1	120
41	DNA from soil mirrors plant taxonomic and growth form diversity. <i>Molecular Ecology</i> , 2012 , 21, 3647-55	5.7	170
40	Late Quaternary environmental and landscape dynamics revealed by a pingo sequence on the northern Seward Peninsula, Alaska. <i>Quaternary Science Reviews</i> , 2012 , 39, 26-44	3.9	31
39	Glacial survival of boreal trees in northern Scandinavia. <i>Science</i> , 2012 , 335, 1083-6	33.3	239
38	Comment on "Glacial survival of boreal trees in northern Scandinavia". <i>Science</i> , 2012 , 338, 742; author reply 742	33.3	19
37	Tree line identification from pollen data: beyond the limit?. <i>Journal of Biogeography</i> , 2011 , 38, 1792-1806	4.1	22
36	A 40,000-yr record of environmental change from Burial Lake in Northwest Alaska. <i>Quaternary Research</i> , 2010 , 74, 156-165	1.9	32
35	Late Quaternary paleoclimate of western Alaska inferred from fossil chironomids and its relation to vegetation histories. <i>Quaternary Science Reviews</i> , 2009 , 28, 799-811	3.9	58
34	The distribution of late-Quaternary woody taxa in northern Eurasia: evidence from a new macrofossil database. <i>Quaternary Science Reviews</i> , 2009 , 28, 2445-2464	3.9	170
33	Conserving idealized landscapes: past history, public perception and future management in the New Forest (UK). <i>Vegetation History and Archaeobotany</i> , 2008 , 17, 551-562	2.6	22
32	Stable Carbon Isotope Compositions of Eastern Beringian Grasses and Sedges: Investigating Their Potential as Paleoenvironmental Indicators. <i>Arctic, Antarctic, and Alpine Research</i> , 2007 , 39, 318-331	1.8	41
31	Thermokarst lakes as a source of atmospheric CH ₄ during the last deglaciation. <i>Science</i> , 2007 , 318, 633-633	33.3	245

30	Topographic complexity and terrestrial biotic response to high-latitude climate change: Variance is as important as the mean 2007 , 105-121		16
29	STRUCTURALLY NOVEL BIOMES: A RESPONSE TO PAST WARMING IN BERINGIA. <i>Ecology</i> , 2005 , 86, 1696-1703	4.1	97
28	Beringia as a glacial refugium for boreal trees and shrubs: new perspectives from mapped pollen data. <i>Journal of Biogeography</i> , 2005 , 32, 833-848	4.1	199
27	Palaeohydrology of the Southwest Yukon Territory, Canada, based on multiproxy analyses of lake sediment cores from a depth transect. <i>Holocene</i> , 2005 , 15, 1172-1183	2.6	39
26	Interglacial Extension of the Boreal Forest Limit in the Noatak Valley, Northwest Alaska: Evidence from an Exhumed River-Cut Bluff and Debris Apron. <i>Arctic, Antarctic, and Alpine Research</i> , 2003 , 35, 460-468	1.8	28
25	Results and paleoclimate implications of 35 years of paleoecological research in Alaska. <i>Developments in Quaternary Sciences</i> , 2003 , 427-440	0.5	24
24	Geographic and temporal variations in fire history in boreal ecosystems of Alaska. <i>Journal of Geophysical Research</i> , 2003 , 108, FFR 8-1		72
23	Climate change and Arctic ecosystems: 1. Vegetation changes north of 55°N between the last glacial maximum, mid-Holocene, and present. <i>Journal of Geophysical Research</i> , 2003 , 108,		220
22	Climate change and Arctic ecosystems: 2. Modeling, paleodata-model comparisons, and future projections. <i>Journal of Geophysical Research</i> , 2003 , 108,		361
21	A 14,000 yr paleoenvironmental record from Windmill Lake, Central Alaska: Lateglacial and Holocene vegetation in the Alaska range. <i>Quaternary Science Reviews</i> , 2001 , 20, 203-215	3.9	73
20	Potential analogues for paleoclimatic variations in eastern interior Alaska during the past 14,000yr: atmospheric-circulation controls of regional temperature and moisture responses. <i>Quaternary Science Reviews</i> , 2001 , 20, 189-202	3.9	96
19	Evidence of Quaternary climatic variations in a sequence of loess and related deposits at Birch Creek, Alaska: implications for the Stage 5 climatic chronology. <i>Quaternary Science Reviews</i> , 2001 , 20, 63-76	3.9	24
18	Pollen-based biomes for Beringia 18,000, 6000 and 0-4Cyr bp. <i>Journal of Biogeography</i> , 2000 , 27, 521-554	4.4	132
17	Records of aquatic pollen and sediment properties as indicators of late-Quaternary Alaskan lake levels. <i>Journal of Paleolimnology</i> , 2000 , 24, 55-68	2.1	27
16	Lake-Level Reconstruction and Paleohydrology of Birch Lake, Central Alaska, Based on Seismic Reflection Profiles and Core Transects. <i>Quaternary Research</i> , 2000 , 53, 154-166	1.9	102
15	New vegetation maps, and much, much more. <i>Norsk Geografisk Tidsskrift</i> , 2000 , 54, 82-82	0.9	
14	Diatom-based Transfer Functions for Inferring past Climatic and Environmental Changes in Alaska, U.S.A.. <i>Arctic, Antarctic, and Alpine Research</i> , 1999 , 31, 353-365	1.8	33
13	Calibration of Radiocarbon Ages and the Interpretation of Paleoenvironmental Records. <i>Quaternary Research</i> , 1995 , 44, 417-424	1.9	75

12	Ecology of a steppe-tundra gradient in interior Alaska. <i>Journal of Vegetation Science</i> , 1994 , 5, 897-912	3.1	25
11	Old Crow Tephra Found at the Palisades of the Yukon, Alaska. <i>Quaternary Research</i> , 1991 , 35, 291-297	1.9	29
10	Interglacial Deposits at Birch Creek, Northeast Interior Alaska. <i>Quaternary Research</i> , 1991 , 35, 41-52	1.9	23
9	Pollen size of <i>Betula</i> in northern Alaska and the interpretation of late Quaternary vegetation records. <i>Canadian Journal of Botany</i> , 1991 , 69, 1666-1672		14
8	A framework for interpreting paleoclimatic variations in Eastern Beringia. <i>Quaternary International</i> , 1991 , 10-12, 73-83	2	62
7	A Tundra-Steppe Transition on Kathul Mountain, Alaska, U.S.A.. <i>Arctic and Alpine Research</i> , 1989 , 21, 296		36
6	The Arctic 1988 , 519-555		22
5	The dynamic past and future of arctic vascular plants: climate change, spatial variation and genetic diversity	133	152
4	Diatom-based Transfer Functions for Inferring past Climatic and Environmental Changes in Alaska, U.S.A.		25
3	Early-Holocene warming in Beringia and its mediation by sea-level and vegetation changes		4
2	Sedimentary ancient DNA shows terrestrial plant richness continuously increased over the Holocene in northern Fennoscandia		4
1	Rapid climate changes during the Lateglacial and the early Holocene as seen from plant community dynamics in the Polar Urals, Russia. <i>Journal of Quaternary Science</i> ,	2.3	2