

Matthias Meyer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4674592/publications.pdf>

Version: 2024-02-01

104
papers

30,049
citations

23567

58
h-index

34986

98
g-index

115
all docs

115
docs citations

115
times ranked

19570
citing authors

#	ARTICLE	IF	CITATIONS
1	A Draft Sequence of the Neandertal Genome. <i>Science</i> , 2010, 328, 710-722.	12.6	3,588
2	The complete genome sequence of a Neanderthal from the Altai Mountains. <i>Nature</i> , 2014, 505, 43-49.	27.8	1,830
3	A High-Coverage Genome Sequence from an Archaic Denisovan Individual. <i>Science</i> , 2012, 338, 222-226.	12.6	1,695
4	Illumina Sequencing Library Preparation for Highly Multiplexed Target Capture and Sequencing. <i>Cold Spring Harbor Protocols</i> , 2010, 2010, pdb.prot5448.	0.3	1,690
5	Genetic history of an archaic hominin group from Denisova Cave in Siberia. <i>Nature</i> , 2010, 468, 1053-1060.	27.8	1,537
6	Massive migration from the steppe was a source for Indo-European languages in Europe. <i>Nature</i> , 2015, 522, 207-211.	27.8	1,435
7	Ancient human genomes suggest three ancestral populations for present-day Europeans. <i>Nature</i> , 2014, 513, 409-413.	27.8	1,179
8	Complete mitochondrial genome sequence of a Middle Pleistocene cave bear reconstructed from ultrashort DNA fragments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15758-15763.	7.1	1,097
9	Double indexing overcomes inaccuracies in multiplex sequencing on the Illumina platform. <i>Nucleic Acids Research</i> , 2012, 40, e3-e3.	14.5	944
10	Genome sequence of a 45,000-year-old modern human from western Siberia. <i>Nature</i> , 2014, 514, 445-449.	27.8	856
11	Patterns of damage in genomic DNA sequences from a Neandertal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14616-14621.	7.1	799
12	The genetic history of Ice Age Europe. <i>Nature</i> , 2016, 534, 200-205.	27.8	729
13	An early modern human from Romania with a recent Neandertal ancestor. <i>Nature</i> , 2015, 524, 216-219.	27.8	633
14	A draft genome of <i>Yersinia pestis</i> from victims of the Black Death. <i>Nature</i> , 2011, 478, 506-510.	27.8	619
15	A Complete Neandertal Mitochondrial Genome Sequence Determined by High-Throughput Sequencing. <i>Cell</i> , 2008, 134, 416-426.	28.9	503
16	A high-coverage Neandertal genome from Vindija Cave in Croatia. <i>Science</i> , 2017, 358, 655-658.	12.6	501
17	DNA analysis of an early modern human from Tianyuan Cave, China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2223-2227.	7.1	484
18	Single-stranded DNA library preparation for the sequencing of ancient or damaged DNA. <i>Nature Protocols</i> , 2013, 8, 737-748.	12.0	448

#	ARTICLE	IF	CITATIONS
19	Nuclear DNA sequences from the Middle Pleistocene Sima de los Huesos hominins. <i>Nature</i> , 2016, 531, 504-507.	27.8	436
20	A mitochondrial genome sequence of a hominin from Sima de los Huesos. <i>Nature</i> , 2014, 505, 403-406.	27.8	434
21	Ancient gene flow from early modern humans into Eastern Neanderthals. <i>Nature</i> , 2016, 530, 429-433.	27.8	392
22	The formation of human populations in South and Central Asia. <i>Science</i> , 2019, 365, .	12.6	383
23	Removal of deaminated cytosines and detection of in vivo methylation in ancient DNA. <i>Nucleic Acids Research</i> , 2010, 38, e87-e87.	14.5	362
24	Ancient DNA Damage. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a012567-a012567.	5.5	348
25	Neandertal and Denisovan DNA from Pleistocene sediments. <i>Science</i> , 2017, 356, 605-608.	12.6	329
26	The genome of the offspring of a Neanderthal mother and a Denisovan father. <i>Nature</i> , 2018, 561, 113-116.	27.8	323
27	Reconstructing Prehistoric African Population Structure. <i>Cell</i> , 2017, 171, 59-71.e21.	28.9	308
28	Length and GC-biases during sequencing library amplification: A comparison of various polymerase-buffer systems with ancient and modern DNA sequencing libraries. <i>BioTechniques</i> , 2012, 52, 87-94.	1.8	292
29	Parallel tagged sequencing on the 454 platform. <i>Nature Protocols</i> , 2008, 3, 267-278.	12.0	289
30	Illuminating the Base of the Annelid Tree Using Transcriptomics. <i>Molecular Biology and Evolution</i> , 2014, 31, 1391-1401.	8.9	268
31	Targeted Investigation of the Neandertal Genome by Array-Based Sequence Capture. <i>Science</i> , 2010, 328, 723-725.	12.6	255
32	Palaeoproteomic evidence identifies archaic hominins associated with the Châtelperronian at the Grotte du Renne. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11162-11167.	7.1	251
33	Patterns of coding variation in the complete exomes of three Neandertals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6666-6671.	7.1	223
34	Reducing microbial and human contamination in DNA extractions from ancient bones and teeth. <i>BioTechniques</i> , 2015, 59, 87-93.	1.8	210
35	Single-stranded DNA library preparation from highly degraded DNA using T4 DNA ligase. <i>Nucleic Acids Research</i> , 2017, 45, gkx033.	14.5	198
36	Reconstructing the genetic history of late Neanderthals. <i>Nature</i> , 2018, 555, 652-656.	27.8	197

#	ARTICLE	IF	CITATIONS
37	Extraction of highly degraded DNA from ancient bones, teeth and sediments for high-throughput sequencing. <i>Nature Protocols</i> , 2018, 13, 2447-2461.	12.0	193
38	40,000-Year-Old Individual from Asia Provides Insight into Early Population Structure in Eurasia. <i>Current Biology</i> , 2017, 27, 3202-3208.e9.	3.9	191
39	Molecular Phylogeny, Biogeography, and Habitat Preference Evolution of Marsupials. <i>Molecular Biology and Evolution</i> , 2014, 31, 2322-2330.	8.9	189
40	Initial Upper Palaeolithic Homo sapiens from Bacho Kiro Cave, Bulgaria. <i>Nature</i> , 2020, 581, 299-302.	27.8	188
41	A high-coverage Neandertal genome from Chagyrskaya Cave. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15132-15136.	7.1	176
42	Targeted high-throughput sequencing of tagged nucleic acid samples. <i>Nucleic Acids Research</i> , 2007, 35, e97.	14.5	171
43	Genomic DNA Sequences from Mastodon and Woolly Mammoth Reveal Deep Speciation of Forest and Savanna Elephants. <i>PLoS Biology</i> , 2010, 8, e1000564.	5.6	162
44	Identification of a new hominin bone from Denisova Cave, Siberia using collagen fingerprinting and mitochondrial DNA analysis. <i>Scientific Reports</i> , 2016, 6, 23559.	3.3	144
45	Pleistocene North African genomes link Near Eastern and sub-Saharan African human populations. <i>Science</i> , 2018, 360, 548-552.	12.6	142
46	Age estimates for hominin fossils and the onset of the Upper Palaeolithic at Denisova Cave. <i>Nature</i> , 2019, 565, 640-644.	27.8	137
47	Denisovan DNA in Late Pleistocene sediments from Baishiya Karst Cave on the Tibetan Plateau. <i>Science</i> , 2020, 370, 584-587.	12.6	129
48	Initial Upper Palaeolithic humans in Europe had recent Neanderthal ancestry. <i>Nature</i> , 2021, 592, 253-257.	27.8	119
49	Extending the spectrum of DNA sequences retrieved from ancient bones and teeth. <i>Genome Research</i> , 2017, 27, 1230-1237.	5.5	111
50	From micrograms to picograms: quantitative PCR reduces the material demands of high-throughput sequencing. <i>Nucleic Acids Research</i> , 2008, 36, e5-e5.	14.5	105
51	Manual and automated preparation of single-stranded DNA libraries for the sequencing of DNA from ancient biological remains and other sources of highly degraded DNA. <i>Nature Protocols</i> , 2020, 15, 2279-2300.	12.0	101
52	Selective enrichment of damaged DNA molecules for ancient genome sequencing. <i>Genome Research</i> , 2014, 24, 1543-1549.	5.5	93
53	The evolutionary history of Neanderthal and Denisovan Y chromosomes. <i>Science</i> , 2020, 369, 1653-1656.	12.6	90
54	Unearthing Neanderthal population history using nuclear and mitochondrial DNA from cave sediments. <i>Science</i> , 2021, 372, .	12.6	86

#	ARTICLE	IF	CITATIONS
55	Fossil and genomic evidence constrains the timing of bison arrival in North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3457-3462.	7.1	84
56	Point-of-care bulk testing for SARS-CoV-2 by combining hybridization capture with improved colorimetric LAMP. <i>Nature Communications</i> , 2021, 12, 1467.	12.8	81
57	A fourth Denisovan individual. <i>Science Advances</i> , 2017, 3, e1700186.	10.3	74
58	Emergence of human-adapted <i>Salmonella enterica</i> is linked to the Neolithization process. <i>Nature Ecology and Evolution</i> , 2020, 4, 324-333.	7.8	72
59	Long-Term Balancing Selection in LAD1 Maintains a Missense Trans-Species Polymorphism in Humans, Chimpanzees, and Bonobos. <i>Molecular Biology and Evolution</i> , 2015, 32, 1186-1196.	8.9	70
60	Pleistocene sediment DNA reveals hominin and faunal turnovers at Denisova Cave. <i>Nature</i> , 2021, 595, 399-403.	27.8	67
61	An Ancient Harappan Genome Lacks Ancestry from Steppe Pastoralists or Iranian Farmers. <i>Cell</i> , 2019, 179, 729-735.e10.	28.9	62
62	Denisovan ancestry and population history of early East Asians. <i>Science</i> , 2020, 370, 579-583.	12.6	57
63	Nuclear DNA from two early Neandertals reveals 80,000 years of genetic continuity in Europe. <i>Science Advances</i> , 2019, 5, eaaw5873.	10.3	52
64	Palaeogenomes of Eurasian straight-tusked elephants challenge the current view of elephant evolution. <i>ELife</i> , 2017, 6, .	6.0	50
65	Reevaluating the timing of Neanderthal disappearance in Northwest Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	43
66	A combined method for DNA analysis and radiocarbon dating from a single sample. <i>Scientific Reports</i> , 2018, 8, 4127.	3.3	42
67	Quantifying and reducing spurious alignments for the analysis of ultra-short ancient DNA sequences. <i>BMC Biology</i> , 2018, 16, 121.	3.8	41
68	Microstratigraphic preservation of ancient faunal and hominin DNA in Pleistocene cave sediments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	41
69	Compound-specific radiocarbon dating and mitochondrial DNA analysis of the Pleistocene hominin from Salkhit Mongolia. <i>Nature Communications</i> , 2019, 10, 274.	12.8	39
70	A systematic investigation of human DNA preservation in medieval skeletons. <i>Scientific Reports</i> , 2020, 10, 18225.	3.3	39
71	The impact of endogenous content, replicates and pooling on genome capture from faecal samples. <i>Molecular Ecology Resources</i> , 2018, 18, 319-333.	4.8	33
72	Extraction of Highly Degraded DNA from Ancient Bones and Teeth. <i>Methods in Molecular Biology</i> , 2019, 1963, 25-29.	0.9	32

#	ARTICLE	IF	CITATIONS
73	Mammalian mitochondrial capture, a tool for rapid screening of DNA preservation in faunal and undiagnostic remains, and its application to Middle Pleistocene specimens from Qesem Cave (Israel). <i>Quaternary International</i> , 2016, 398, 210-218.	1.5	31
74	A genetic analysis of the Gibraltar Neanderthals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15610-15615.	7.1	30
75	Pluridisciplinary evidence for burial for the La Ferrassie 8 Neandertal child. <i>Scientific Reports</i> , 2020, 10, 21230.	3.3	30
76	Developmental Systems Drift and the Drivers of Sex Chromosome Evolution. <i>Molecular Biology and Evolution</i> , 2020, 37, 799-810.	8.9	25
77	Ancient DNA from Guam and the peopling of the Pacific. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	25
78	<i>Xenopus fraseri</i> : Mr. Fraser, where did your frog come from?. <i>PLoS ONE</i> , 2019, 14, e0220892.	2.5	24
79	Ancient DNA Methods Improve Forensic DNA Profiling of Korean War and World War II Unknowns. <i>Genes</i> , 2022, 13, 129.	2.4	22
80	Comment on "Late Pleistocene human skeleton and mtDNA link Paleoamericans and modern Native Americans". <i>Science</i> , 2015, 347, 835-835.	12.6	21
81	Direct radiocarbon dating and DNA analysis of the Darra-i-Kur (Afghanistan) human temporal bone. <i>Journal of Human Evolution</i> , 2017, 107, 86-93.	2.6	19
82	Hybridization ddRAD sequencing for population genomics of nonmodel plants using highly degraded historical specimen DNA. <i>Molecular Ecology Resources</i> , 2020, 20, 1228-1247.	4.8	19
83	The earliest Denisovans and their cultural adaptation. <i>Nature Ecology and Evolution</i> , 2022, 6, 28-35.	7.8	19
84	Mitogenomics of macaques (<i>Macaca</i>) across Wallace's Line in the context of modern human dispersals. <i>Journal of Human Evolution</i> , 2020, 146, 102852.	2.6	18
85	Direct radiocarbon dating and genetic analyses on the purported Neanderthal mandible from the Monti Lessini (Italy). <i>Scientific Reports</i> , 2016, 6, 29144.	3.3	16
86	Historical biogeography of the leopard (<i>Panthera pardus</i>) and its extinct Eurasian populations. <i>BMC Evolutionary Biology</i> , 2018, 18, 156.	3.2	16
87	A Method for Single-Stranded Ancient DNA Library Preparation. <i>Methods in Molecular Biology</i> , 2019, 1963, 75-83.	0.9	15
88	Ancient genomes from the last three millennia support multiple human dispersals into Wallacea. <i>Nature Ecology and Evolution</i> , 2022, 6, 1024-1034.	7.8	15
89	A late Neanderthal tooth from northeastern Italy. <i>Journal of Human Evolution</i> , 2020, 147, 102867.	2.6	14
90	A direct RT-qPCR approach to test large numbers of individuals for SARS-CoV-2. <i>PLoS ONE</i> , 2020, 15, e0244824.	2.5	12

#	ARTICLE	IF	CITATIONS
91	Pretreatment: Removing DNA Contamination from Ancient Bones and Teeth Using Sodium Hypochlorite and Phosphate. <i>Methods in Molecular Biology</i> , 2019, 1963, 15-19.	0.9	9
92	Quantifying and reducing cross-contamination in single- and multiplex hybridization capture of ancient DNA. <i>Molecular Ecology Resources</i> , 2022, 22, 2196-2207.	4.8	9
93	African climate and geomorphology drive evolution and ghost introgression in sable antelope. <i>Molecular Ecology</i> , 2022, 31, 2968-2984.	3.9	8
94	Reconstructing double-stranded DNA fragments on a single-molecule level reveals patterns of degradation in ancient samples. <i>Genome Research</i> , 2020, 30, 1449-1457.	5.5	7
95	Integrated multidisciplinary ecological analysis from the Uluzzian settlement at the Uluzzo C Rock Shelter, southeastern Italy. <i>Journal of Quaternary Science</i> , 2022, 37, 235-256.	2.1	7
96	Mining ancient microbiomes using selective enrichment of damaged DNA molecules. <i>BMC Genomics</i> , 2020, 21, 432.	2.8	6
97	A method for the temperature-controlled extraction of DNA from ancient bones. <i>BioTechniques</i> , 2021, 71, 382-386.	1.8	6
98	Reply to Van Peer: Direct radiocarbon dating and ancient genomic analysis reveal the true age of the Neanderthals at Spy Cave. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	1
99	A direct RT-qPCR approach to test large numbers of individuals for SARS-CoV-2. , 2020, 15, e0244824.		0
100	A direct RT-qPCR approach to test large numbers of individuals for SARS-CoV-2. , 2020, 15, e0244824.		0
101	A direct RT-qPCR approach to test large numbers of individuals for SARS-CoV-2. , 2020, 15, e0244824.		0
102	A direct RT-qPCR approach to test large numbers of individuals for SARS-CoV-2. , 2020, 15, e0244824.		0
103	A direct RT-qPCR approach to test large numbers of individuals for SARS-CoV-2. , 2020, 15, e0244824.		0
104	A direct RT-qPCR approach to test large numbers of individuals for SARS-CoV-2. , 2020, 15, e0244824.		0