Nathan Wales

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7352891/publications.pdf

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49 papers	3,356 citations	201674 27 h-index	206112 48 g-index
56 all docs	56 docs citations	56 times ranked	5420 citing authors

#	Article	IF	Citations
1	Recent Asian origin of chytrid fungi causing global amphibian declines. Science, 2018, 360, 621-627.	12.6	389
2	Ancient and modern environmental DNA. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20130383.	4.0	292
3	Singleâ€tube library preparation for degraded <scp>DNA</scp>. Methods in Ecology and Evolution, 2018, 9, 410-419.	5.2	261
4	Early Neolithic wine of Georgia in the South Caucasus. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10309-E10318.	7.1	192
5	Multiproxy evidence highlights a complex evolutionary legacy of maize in South America. Science, 2018, 362, 1309-1313.	12.6	172
6	Early Levallois technology and the Lower to Middle Paleolithic transition in the Southern Caucasus. Science, 2014, 345, 1609-1613.	12.6	171
7	Ancient genomics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20130387.	4.0	142
8	The origin and evolution of maize in the Southwestern United States. Nature Plants, 2015, 1, 14003.	9.3	138
9	Genome Sequence of a 5,310-Year-Old Maize Cob Provides Insights into the Early Stages of Maize Domestication. Current Biology, 2016, 26, 3195-3201.	3.9	130
10	Parallel adaptation of rabbit populations to myxoma virus. Science, 2019, 363, 1319-1326.	12.6	124
11	Application and comparison of large-scale solution-based DNA capture-enrichment methods on ancient DNA. Scientific Reports, 2011, 1, 74.	3.3	106
12	Reconstructing genome evolution in historic samples of the Irish potato famine pathogen. Nature Communications, 2013, 4, 2172.	12.8	103
13	Palaeogenomic insights into the origins of French grapevine diversity. Nature Plants, 2019, 5, 595-603.	9.3	85
14	Inactivation of thermogenic UCP1 as a historical contingency in multiple placental mammal clades. Science Advances, 2017, 3, e1602878.	10.3	78
15	Ancient DNA suggests modern wolves trace their origin to a Late Pleistocene expansion from Beringia. Molecular Ecology, 2020, 29, 1596-1610.	3.9	70
16	Modeling Neanderthal clothing using ethnographic analogues. Journal of Human Evolution, 2012, 63, 781-795.	2.6	69
17	Optimization of DNA Recovery and Amplification from Non-Carbonized Archaeobotanical Remains. PLoS ONE, 2014, 9, e86827.	2.5	63
18	Recent advances in ancient DNA research and their implications for archaeobotany. Vegetation History and Archaeobotany, 2015, 24, 207-214.	2.1	53

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19	What Does God Know? Supernatural Agentsâ€™ Access to Socially Strategic and Nonâ€Strategic Information. Cognitive Science, 2012, 36, 846-869.	1.7	52
20	Genomic Characterization of a South American Phytophthora Hybrid Mandates Reassessment of the Geographic Origins of Phytophthora infestans. Molecular Biology and Evolution, 2016, 33, 478-491.	8.9	48
21	Comparative performance of two wholeâ€genome capture methodologies on ancient <scp>DNA</scp> Illumina libraries. Methods in Ecology and Evolution, 2015, 6, 725-734.	5.2	43
22	New insights on single-stranded versus double-stranded DNA library preparation for ancient DNA. BioTechniques, 2015, 59, 368-371.	1.8	43
23	The limits and potential of paleogenomic techniques for reconstructing grapevine domestication. Journal of Archaeological Science, 2016, 72, 57-70.	2.4	43
24	The efficacy of high-throughput sequencing and target enrichment on charred archaeobotanical remains. Scientific Reports, 2016, 6, 37347.	3.3	40
25	Persistence of the Mitochondrial Lineage Responsible for the Irish Potato Famine in Extant New World Phytophthora infestans. Molecular Biology and Evolution, 2014, 31, 1414-1420.	8.9	39
26	Deep Sequencing of RNA from Ancient Maize Kernels. PLoS ONE, 2013, 8, e50961.	2.5	38
27	Ancient Plant Genomics in Archaeology, Herbaria, and the Environment. Annual Review of Plant Biology, 2020, 71, 605-629.	18.7	34
28	Characterizing restriction enzymeâ€associated loci in historic ragweed (Ambrosia artemisiifolia) voucher specimens using customâ€designed <scp>RNA</scp> probes. Molecular Ecology Resources, 2017, 17, 209-220.	4.8	31
29	Is it possible to identify ancient wine production using biomolecular approaches?. Science and Technology of Archaeological Research, 2020, 6, 16-29.	2.4	30
30	Tracking the history of grapevine cultivation in Georgia by combining geometric morphometrics and ancient DNA. Vegetation History and Archaeobotany, 2021, 30, 63-76.	2.1	29
31	Ancient <scp>DNA</scp> reveals the timing and persistence of organellar genetic bottlenecks over 3,000Âyears of sunflower domestication and improvement. Evolutionary Applications, 2019, 12, 38-53.	3.1	27
32	Further evidence of Chelonid herpesvirus 5 (ChHV5) latency: high levels of ChHV5 DNA detected in clinically healthy marine turtles. PeerJ, 2016, 4, e2274.	2.0	27
33	Metagenomic analysis of historical herbarium specimens reveals a postmortem microbial community. Molecular Ecology Resources, 2020, 20, 1206-1219.	4.8	23
34	Biodiversity Soup II: A bulkâ€sample metabarcoding pipeline emphasizing error reduction. Methods in Ecology and Evolution, 2021, 12, 1252-1264.	5.2	21
35	Hybridization Capture Using Short PCR Products Enriches Small Genomes by Capturing Flanking Sequences (CapFlank). PLoS ONE, 2014, 9, e109101.	2.5	21
36	Choosing the Best Plant for the Job: A Cost-Effective Assay to Prescreen Ancient Plant Remains Destined for Shotgun Sequencing. PLoS ONE, 2012, 7, e45644.	2.5	16

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37	Postglacial Colonization of Northern Coastal Habitat by Bottlenose Dolphins: A Marine Leading-Edge Expansion?. Journal of Heredity, 2019, 110, 662-674.	2.4	16
38	Extraction of Ancient DNA from Plant Remains. Methods in Molecular Biology, 2019, 1963, 45-55.	0.9	11
39	Grape and wine culture in Georgia, the South Caucasus. BIO Web of Conferences, 2016, 7, 03027.	0.2	9
40	Plant Domestication: Wild Date Palms Illuminate aÂCropâ€™s Sticky Origins. Current Biology, 2017, 27, R702-R704.	3.9	9
41	Extended survival of Pleistocene Siberian wolves into the early 20th century on the island of HonshÅ«. IScience, 2021, 24, 101904.	4.1	9
42	Odintifier - A computational method for identifying insertions of organellar origin from modern and ancient high-throughput sequencing data based on haplotype phasing. BMC Bioinformatics, 2015, 16, 232.	2.6	7
43	Fungal mycelial mats used as textile by indigenous people of North America. Mycologia, 2021, 113, 261-267.	1.9	7
44	PALEOBOTANY | Ancient Plant DNA. , 2013, , 705-715.		6
45	Genomic and proteomic identification of Late Holocene remains: Setting baselines for Black Sea odontocetes. Journal of Archaeological Science: Reports, 2017, 15, 262-271.	0.5	6
46	Relative performance of two DNA extraction and library preparation methods on archaeological human teeth samples. Science and Technology of Archaeological Research, 2017, 3, 80-88.	2.4	6
47	Patterns of transmission and horizontal gene transfer in the Dioscorea sansibarensis leaf symbiosis revealed by whole-genome sequencing. Current Biology, 2021, 31, 2666-2673.e4.	3.9	6
48	Editorial: Applied Uses of Ancient DNA. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	2
49	Ancient Biomolecules from Archaeobotanical Remains. , 2015, , 293-313.		1