

Hernán A Burbano

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

9,087
citations

186265
28
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361022
35
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53
all docs

53
docs citations

53
times ranked

11863
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic rearrangements generate hypervariable mini-chromosomes in host-specific isolates of the blast fungus. <i>PLoS Genetics</i> , 2021, 17, e1009386.	3.5	46
2	Multiple Sources of Introduction of North American <i>Arabidopsis thaliana</i> from across Eurasia. <i>Molecular Biology and Evolution</i> , 2021, 38, 5328-5344.	8.9	6
3	The Earth BioGenome project: opportunities and challenges for plant genomics and conservation. <i>Plant Journal</i> , 2020, 102, 222-229.	5.7	35
4	Differential loss of effector genes in three recently expanded pandemic clonal lineages of the rice blast fungus. <i>BMC Biology</i> , 2020, 18, 88.	3.8	45
5	Mining ancient microbiomes using selective enrichment of damaged DNA molecules. <i>BMC Genomics</i> , 2020, 21, 432.	2.8	6
6	Hybridization ddRAD-seq for population genomics of nonmodel plants using highly degraded historical specimen DNA. <i>Molecular Ecology Resources</i> , 2020, 20, 1228-1247.	4.8	19
7	Isolation, Library Preparation, and Bioinformatic Analysis of Historical and Ancient Plant DNA. <i>Current Protocols in Plant Biology</i> , 2020, 5, e20121.	2.8	14
8	Natural selection on the <i>Arabidopsis thaliana</i> genome in present and future climates. <i>Nature</i> , 2019, 573, 126-129.	27.8	148
9	The origins and adaptation of European potatoes reconstructed from historical genomes. <i>Nature Ecology and Evolution</i> , 2019, 3, 1093-1101.	7.8	73
10	Using herbaria to study global environmental change. <i>New Phytologist</i> , 2019, 221, 110-122.	7.3	140
11	Genomic basis and evolutionary potential for extreme drought adaptation in <i>Arabidopsis thaliana</i> . <i>Nature Ecology and Evolution</i> , 2018, 2, 352-358.	7.8	157
12	nQuire: a statistical framework for ploidy estimation using next generation sequencing. <i>BMC Bioinformatics</i> , 2018, 19, 122.	2.6	128
13	The rate and potential relevance of new mutations in a colonizing plant lineage. <i>PLoS Genetics</i> , 2018, 14, e1007155.	3.5	116
14	Reinforcing plant evolutionary genomics using ancient DNA. <i>Current Opinion in Plant Biology</i> , 2017, 36, 38-45.	7.1	65
15	A Robust Framework for Microbial Archaeology. <i>Annual Review of Genomics and Human Genetics</i> , 2017, 18, 321-356.	6.2	144
16	African genomes illuminate the early history and transition to selfing in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5213-5218.	7.1	142
17	Neandertal and Denisovan DNA from Pleistocene sediments. <i>Science</i> , 2017, 356, 605-608.	12.6	329
18	Genomic estimation of complex traits reveals ancient maize adaptation to temperate North America. <i>Science</i> , 2017, 357, 512-515.	12.6	169

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19	Extraction of ultrashort DNA molecules from herbarium specimens. <i>BioTechniques</i> , 2017, 62, 76-79.	1.8	53
20	Temporal patterns of damage and decay kinetics of DNA retrieved from plant herbarium specimens. <i>Royal Society Open Science</i> , 2016, 3, 160239.	2.4	108
21	Ancient gene flow from early modern humans into Eastern Neanderthals. <i>Nature</i> , 2016, 530, 429-433.	27.8	392
22	Contesting the presence of wheat in the British Isles 8,000 years ago by assessing ancient DNA authenticity from low-coverage data. <i>ELife</i> , 2015, 4, .	6.0	31
23	Mining Herbaria for Plant Pathogen Genomes: Back to the Future. <i>PLoS Pathogens</i> , 2014, 10, e1004028.	4.7	72
24	Patterns of coding variation in the complete exomes of three Neanderthals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6666-6671.	7.1	223
25	Rabbit genome analysis reveals a polygenic basis for phenotypic change during domestication. <i>Science</i> , 2014, 345, 1074-1079.	12.6	343
26	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
27	Comparative Population Genomics of the Ejaculate in Humans and the Great Apes. <i>Molecular Biology and Evolution</i> , 2013, 30, 964-976.	8.9	40
28	The rise and fall of the <i>Phytophthora infestans</i> lineage that triggered the Irish potato famine. <i>ELife</i> , 2013, 2, e00731.	6.0	339
29	Analysis of Human Accelerated DNA Regions Using Archaic Hominin Genomes. <i>PLoS ONE</i> , 2012, 7, e32877.	2.5	38
30	A draft genome of <i>Yersinia pestis</i> from victims of the Black Death. <i>Nature</i> , 2011, 478, 506-510.	27.8	619
31	Targeted Investigation of the Neandertal Genome by Array-Based Sequence Capture. <i>Science</i> , 2010, 328, 723-725.	12.6	255
32	A Draft Sequence of the Neandertal Genome. <i>Science</i> , 2010, 328, 710-722.	12.6	3,588
33	The Neandertal genome and ancient DNA authenticity. <i>EMBO Journal</i> , 2009, 28, 2494-2502.	7.8	170
34	A Complete Neandertal Mitochondrial Genome Sequence Determined by High-Throughput Sequencing. <i>Cell</i> , 2008, 134, 416-426.	28.9	503