

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
h-index

361022

35
g-index

53
all docs

53
docs citations

53
times ranked

11863
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 | A draft genome of <i>Yersinia pestis</i> from victims of the Black Death. <i>Nature</i> , 2011, 478, 506-510. | 27.8 | 619 |
| 3 | A Complete Neandertal Mitochondrial Genome Sequence Determined by High-Throughput Sequencing. <i>Cell</i> , 2008, 134, 416-426. | 28.9 | 503 |
| 4 | 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 |
| 5 | Ancient gene flow from early modern humans into Eastern Neanderthals. <i>Nature</i> , 2016, 530, 429-433. | 27.8 | 392 |
| 6 | Rabbit genome analysis reveals a polygenic basis for phenotypic change during domestication. <i>Science</i> , 2014, 345, 1074-1079. | 12.6 | 343 |
| 7 | 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 |
| 8 | Neandertal and Denisovan DNA from Pleistocene sediments. <i>Science</i> , 2017, 356, 605-608. | 12.6 | 329 |
| 9 | Targeted Investigation of the Neandertal Genome by Array-Based Sequence Capture. <i>Science</i> , 2010, 328, 723-725. | 12.6 | 255 |
| 10 | 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 |
| 11 | The Neandertal genome and ancient DNA authenticity. <i>EMBO Journal</i> , 2009, 28, 2494-2502. | 7.8 | 170 |
| 12 | Genomic estimation of complex traits reveals ancient maize adaptation to temperate North America. <i>Science</i> , 2017, 357, 512-515. | 12.6 | 169 |
| 13 | 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 |
| 14 | Natural selection on the <i>Arabidopsis thaliana</i> genome in present and future climates. <i>Nature</i> , 2019, 573, 126-129. | 27.8 | 148 |
| 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 | Using herbaria to study global environmental change. <i>New Phytologist</i> , 2019, 221, 110-122. | 7.3 | 140 |
| 18 | nQuire: a statistical framework for ploidy estimation using next generation sequencing. <i>BMC Bioinformatics</i> , 2018, 19, 122. | 2.6 | 128 |

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|----|--|-----|-----------|
| 19 | The rate and potential relevance of new mutations in a colonizing plant lineage. <i>PLoS Genetics</i> , 2018, 14, e1007155. | 3.5 | 116 |
| 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 | The origins and adaptation of European potatoes reconstructed from historical genomes. <i>Nature Ecology and Evolution</i> , 2019, 3, 1093-1101. | 7.8 | 73 |
| 22 | Mining Herbaria for Plant Pathogen Genomes: Back to the Future. <i>PLoS Pathogens</i> , 2014, 10, e1004028. | 4.7 | 72 |
| 23 | Reinforcing plant evolutionary genomics using ancient DNA. <i>Current Opinion in Plant Biology</i> , 2017, 36, 38-45. | 7.1 | 65 |
| 24 | Extraction of ultrashort DNA molecules from herbarium specimens. <i>BioTechniques</i> , 2017, 62, 76-79. | 1.8 | 53 |
| 25 | Genomic rearrangements generate hypervariable mini-chromosomes in host-specific isolates of the blast fungus. <i>PLoS Genetics</i> , 2021, 17, e1009386. | 3.5 | 46 |
| 26 | 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 |
| 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 | Analysis of Human Accelerated DNA Regions Using Archaic Hominin Genomes. <i>PLoS ONE</i> , 2012, 7, e32877. | 2.5 | 38 |
| 29 | The Earth BioGenome project: opportunities and challenges for plant genomics and conservation. <i>Plant Journal</i> , 2020, 102, 222-229. | 5.7 | 35 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | Mining ancient microbiomes using selective enrichment of damaged DNA molecules. <i>BMC Genomics</i> , 2020, 21, 432. | 2.8 | 6 |
| 34 | 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 |