

# Pablo Andres Orozco-terWengel

## List of Publications by Year in descending order

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76  
papers

3,724  
citations

172207

29  
h-index

149479

56  
g-index

84  
all docs

84  
docs citations

84  
times ranked

6078  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | PoPoolation: A Toolbox for Population Genetic Analysis of Next Generation Sequencing Data from Pooled Individuals. PLoS ONE, 2011, 6, e15925.  | 1.1 | 556       |
| 2  | SNeP: a tool to estimate trends in recent effective population size trajectories using genome-wide SNP data. Frontiers in Genetics, 2015, 6, 109.  | 1.1 | 354       |
| 3  | Convergent genomic signatures of domestication in sheep and goats. Nature Communications, 2018, 9, 813.  | 5.8 | 220       |
| 4  | Adaptation of <i>Drosophila</i> to a novel laboratory environment reveals temporally heterogeneous trajectories of selected alleles. Molecular Ecology, 2012, 21, 4931-4941.   | 2.0 | 194       |
| 5  | Morphometric, Behavioral, and Genomic Evidence for a New Orangutan Species. Current Biology, 2017, 27, 3487-3498.e10.  | 1.8 | 192       |
| 6  | Ancient and modern DNA reveal dynamics of domestication and cross-continental dispersal of the dromedary. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6707-6712.             | 3.3 | 141       |
| 7  | Massive Habitat-Specific Genomic Response in <i>D. melanogaster</i> Populations during Experimental Evolution in Hot and Cold Environments. Molecular Biology and Evolution, 2014, 31, 364-375.                              | 3.5 | 138       |
| 8  | Long-term sky islands generate highly divergent lineages of a narrowly distributed stream salamander ( <i>Pachyhynobius shangchengensis</i> ) in mid-latitude mountains of East Asia. BMC Evolutionary Biology, 2019, 19, 1. | 3.2 | 117       |
| 9  | High performance computation of landscape genomic models including local indicators of spatial association. Molecular Ecology Resources, 2017, 17, 1072-1089.  | 2.2 | 112       |
| 10 | Genomic signatures of adaptive introgression from European mouflon into domestic sheep. Scientific Reports, 2017, 7, 7623.   | 1.6 | 92        |
| 11 | Phylogeography, genetic structure and population divergence time of cheetahs in Africa and Asia: evidence for long-term geographic isolates. Molecular Ecology, 2011, 20, 706-724.   | 2.0 | 81        |
| 12 | Domestication of cattle: Two or three events?. Evolutionary Applications, 2019, 12, 123-136.   | 1.5 | 80        |
| 13 | More grist for the mill? Species delimitation in the genomic era and its implications for conservation. Conservation Genetics, 2019, 20, 101-113.  | 0.8 | 73        |
| 14 | Population Genomics Reveals Low Genetic Diversity and Adaptation to Hypoxia in Snub-Nosed Monkeys. Molecular Biology and Evolution, 2016, 33, 2670-2681.   | 3.5 | 69        |
| 15 | Contrasting effects of acute and chronic stress on the transcriptome, epigenome, and immune response of Atlantic salmon. Epigenetics, 2018, 13, 1191-1207.   | 1.3 | 67        |
| 16 | Prospects and challenges for the conservation of farm animal genomic resources, 2015-2025. Frontiers in Genetics, 2015, 6, 314.  | 1.1 | 64        |
| 17 | Microsatellite Analysis of the Spectacled Bear ( <i>Tremarctos ornatus</i> ) Across its Range Distribution. Genes and Genetic Systems, 2005, 80, 57-69.  | 0.2 | 62        |
| 18 | Radically different phylogeographies and patterns of genetic variation in two European brown frogs, genus <i>Rana</i> . Molecular Phylogenetics and Evolution, 2013, 68, 657-670.  | 1.2 | 56        |

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|----|--|-----|-----------|
| 19 | Hybridization masks speciation in the evolutionary history of the Galápagos marine iguana. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150425.   | 1.2 | 52        |
| 20 | Developmental Stability: A Major Role for Cyclin G in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2011, 7, e1002314.   | 1.5 | 50        |
| 21 | High mitochondrial differentiation levels between wild and domestic Bactrian camels: a basis for rapid detection of maternal hybridization. <i>Animal Genetics</i> , 2010, 41, 315-318.  | 0.6 | 45        |
| 22 | Revisiting demographic processes in cattle with genome-wide population genetic analysis. <i>Frontiers in Genetics</i> , 2015, 6, 191.  | 1.1 | 45        |
| 23 | Transcriptomic response to parasite infection in Nile tilapia ( <i>Oreochromis niloticus</i> ) depends on rearing density. <i>BMC Genomics</i> , 2018, 19, 723.  | 1.2 | 44        |
| 24 | Dietary specialization drives multiple independent losses and gains in the bitter taste gene repertoire of Laurasiatherian Mammals. <i>Frontiers in Zoology</i> , 2016, 13, 28.  | 0.9 | 43        |
| 25 | Demography and rapid local adaptation shape Creole cattle genome diversity in the tropics. <i>Evolutionary Applications</i> , 2019, 12, 105-122.   | 1.5 | 41        |
| 26 | Multiple hybridization events between <i>Drosophila simulans</i> and <i>Drosophila mauritiana</i> are supported by mtDNA introgression. <i>Molecular Ecology</i> , 2010, 19, 4695-4707.  | 2.0 | 37        |
| 27 | Genealogical lineage sorting leads to significant, but incorrect Bayesian multilocus inference of population structure. <i>Molecular Ecology</i> , 2011, 20, 1108-1121.  | 2.0 | 33        |
| 28 | Dynamics and genetics of a disease-driven species decline to near extinction: lessons for conservation. <i>Scientific Reports</i> , 2016, 6, 30772.  | 1.6 | 33        |
| 29 | Money spider dietary choice in pre- and post-harvest cereal crops using metabarcoding. <i>Ecological Entomology</i> , 2021, 46, 249-261.   | 1.1 | 32        |
| 30 | Genetic Variation in Coat Colour Genes MC1R and ASIP Provides Insights Into Domestication and Management of South American Camelids. <i>Frontiers in Genetics</i> , 2018, 9, 487.  | 1.1 | 31        |
| 31 | Ancient DNA reveals the lost domestication history of South American camelids in Northern Chile and across the Andes. <i>ELife</i> , 2021, 10, .   | 2.8 | 31        |
| 32 | Refugia in Patagonian fjords and the eastern Andes during the Last Glacial Maximum revealed by huemul ( <i>Hippocamelus bisulcus</i> ) phylogeographical patterns and genetic diversity. <i>Journal of Biogeography</i> , 2013, 40, 2285-2298.       | 1.4 | 28        |
| 33 | The devil is in the details: the effect of population structure on demographic inference. <i>Heredity</i> , 2016, 116, 349-350.  | 1.2 | 28        |
| 34 | Population genomics of wild Chinese rhesus macaques reveals a dynamic demographic history and local adaptation, with implications for biomedical research. <i>GigaScience</i> , 2018, 7, .   | 3.3 | 27        |
| 35 | Comparing genetic diversity and demographic history in co-distributed wild South American camelids. <i>Heredity</i> , 2018, 121, 387-400.  | 1.2 | 27        |
| 36 | Nuclear DNA recapitulates the cryptic mitochondrial lineages of <i>Lumbricus rubellus</i> and suggests the existence of cryptic species in an ecotoxicological soil sentinel. <i>Biological Journal of the Linnean Society</i> , 2013, 110, 780-795. | 0.7 | 25        |

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|----|---|-----|-----------|
| 37 | Locus-dependent selection in crop-wild hybrids of lettuce under field conditions and its implication for GM crop development. <i>Evolutionary Applications</i> , 2011, 4, 648-659.                                    | 1.5 | 23        |
| 38 | Software solutions for the livestock genomics SNP array revolution. <i>Animal Genetics</i> , 2015, 46, 343-353.   | 0.6 | 22        |
| 39 | Simple Rules for an Efficient Use of Geographic Information Systems in Molecular Ecology. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .  | 1.1 | 21        |
| 40 | Genomic selection strategies for breeding adaptation and production in dairy cattle under climate change. <i>Heredity</i> , 2019, 123, 307-317.   | 1.2 | 21        |
| 41 | Mitochondrial introgressive hybridization following a demographic expansion in the tomato frogs of Madagascar, genus <i>Dyscophus</i> . <i>Molecular Ecology</i> , 2013, 22, 6074-6090.                               | 2.0 | 18        |
| 42 | Comparative transcriptomics reveal conserved impacts of rearing density on immune response of two important aquaculture species. <i>Fish and Shellfish Immunology</i> , 2020, 104, 192-201.                           | 1.6 | 18        |
| 43 | Authors' Reply to Letter to the Editor: Continued improvement to genetic diversity indicator for CBD. <i>Conservation Genetics</i> , 2021, 22, 533-536.   | 0.8 | 18        |
| 44 | Living on a volcano's edge: genetic isolation of an extremophile terrestrial metazoan. <i>Heredity</i> , 2014, 112, 132-142.  | 1.2 | 16        |
| 45 | Rapid identification and interpretation of gene-environment associations using the new R.SamBada landscape genomics pipeline. <i>Molecular Ecology Resources</i> , 2019, 19, 1355-1365.                               | 2.2 | 16        |
| 46 | No signs of inbreeding despite long-term isolation and habitat fragmentation in the critically endangered Montseny brook newt ( <i>Calotriton arnoldi</i> ). <i>Heredity</i> , 2017, 118, 424-435.                    | 1.2 | 14        |
| 47 | MEDI: Macronutrient Extraction and Determination from invertebrates, a rapid, cheap and streamlined protocol. <i>Methods in Ecology and Evolution</i> , 2021, 12, 593-601.  | 2.2 | 14        |
| 48 | Phylogeography and phylogenetic relationships of Malagasy tree and ground boas. <i>Biological Journal of the Linnean Society</i> , 2008, 95, 640-652.   | 0.7 | 13        |
| 49 | Mitochondrial Introgression, Color Pattern Variation, and Severe Demographic Bottlenecks in Three Species of Malagasy Poison Frogs, Genus <i>Mantella</i> . <i>Genes</i> , 2019, 10, 317.                             | 1.0 | 12        |
| 50 | PoPoolation DB: a user-friendly web-based database for the retrieval of natural polymorphisms in <i>Drosophila</i> . <i>BMC Genetics</i> , 2011, 12, 27.  | 2.7 | 11        |
| 51 | Detection of selection signatures in the genome of a farmed population of anadromous rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Genomics</i> , 2021, 113, 3395-3404.  | 1.3 | 11        |
| 52 | Maintenance of Genetic Diversity in an Introduced Island Population of Guanacos after Seven Decades and Two Severe Demographic Bottlenecks: Implications for Camelid Conservation. <i>PLoS ONE</i> , 2014, 9, e91714. | 1.1 | 11        |
| 53 | Genetic identification of units for conservation in tomato frogs, genus <i>Dyscophus</i> . <i>Conservation Genetics</i> , 2006, 7, 473-482.   | 0.8 | 10        |
| 54 | Mixed signals from hybrid genomes. <i>Molecular Ecology</i> , 2014, 23, 3941-3943.  | 2.0 | 10        |

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|----|---|-----|-----------|
| 55 | Distribution and molecular phylogeny of biliary trematodes (Opisthorchiidae) infecting native <i>Lutra lutra</i> and alien <i>Neovison vison</i> across Europe. <i>Parasitology International</i> , 2016, 65, 163-170.                | 0.6 | 10        |
| 56 | Phylogeography and Population Genetics of <i>Vicugna vicugna</i> : Evolution in the Arid Andean High Plateau. <i>Frontiers in Genetics</i> , 2019, 10, 445.   | 1.1 | 10        |
| 57 | Lessons learnt on the analysis of large sequence data in animal genomics. <i>Animal Genetics</i> , 2018, 49, 147-158.   | 0.6 | 8         |
| 58 | Landscape Genomics of a Widely Distributed Snake, <i>Dolichophis caspius</i> (Gmelin, 1789) across Eastern Europe and Western Asia. <i>Genes</i> , 2020, 11, 1218.  | 1.0 | 6         |
| 59 | Unlocking the potential of a validated single nucleotide polymorphism array for genomic monitoring of trade in cheetahs ( <i>Acinonyx jubatus</i> ). <i>Molecular Biology Reports</i> , 2021, 48, 171-181.                            | 1.0 | 6         |
| 60 | Innate and Adaptive Immune Genes Associated with MERS-CoV Infection in Dromedaries. <i>Cells</i> , 2021, 10, 1291.  | 1.8 | 6         |
| 61 | First extraction of eDNA from tree hole water to detect tree frogs: a simple field method piloted in Madagascar. <i>Conservation Genetics Resources</i> , 2022, 14, 99-107.   | 0.4 | 6         |
| 62 | Assessment of nematodes in Punjab Urial ( <i>Ovis vignei punjabiensis</i> ) population in Kalabagh Game Reserve: development of a DNA barcode approach. <i>European Journal of Wildlife Research</i> , 2019, 65, 1.                   | 0.7 | 5         |
| 63 | Dispersal and genetic structure in a tropical small mammal, the Bornean tree shrew ( <i>Tupaia longipes</i> ), in a fragmented landscape along the Kinabatangan River, Sabah, Malaysia. <i>BMC Genetics</i> , 2020, 21, 43.           | 2.7 | 5         |
| 64 | Isolation and characterization of six polymorphic microsatellite loci for the Malagasy spider tortoise, <i>Pyxis arachnoides</i> and cross-amplification in <i>Pyxis planicauda</i> . <i>Amphibia - Reptilia</i> , 2013, 34, 125-128. | 0.1 | 4         |
| 65 | Cross-amplification of nonspecific microsatellites markers: a useful tool to study endangered/vulnerable species of southern Andes deer. <i>Genetics and Molecular Research</i> , 2014, 13, 3193-3200.                                | 0.3 | 3         |
| 66 | Genetic diversity and parasite facilitated establishment of the invasive signal crayfish ( <i>Pacifastacus</i> ) in the Tj ETQq0 0 0 rgBT /Overlock 10 T  | 0.8 | 3         |
| 67 | Local Ancestry to Identify Selection in Response to Trypanosome Infection in BaoulÃ© x Zebu Crossbred Cattle in Burkina Faso. <i>Frontiers in Genetics</i> , 2021, 12, 670390.  | 1.1 | 3         |
| 68 | The critical role of natural forest as refugium for generalist species in oil palm-dominated landscapes. <i>PLoS ONE</i> , 2021, 16, e0257814.  | 1.1 | 2         |
| 69 | Spatial dynamics of Chinese Muntjac related to past and future climate fluctuations. <i>Environmental Epigenetics</i> , 2021, 67, 361-370.  | 0.9 | 1         |
| 70 | The effect of oil palm dominated landscapes on the home range and distribution of a generalist species, the Asian water monitor. <i>Ecology and Evolution</i> , 2022, 12, e8531.  | 0.8 | 1         |
| 71 | A population genetic analysis of the Critically Endangered Madagascar big-headed turtle, <i>Erymnochelys madagascariensis</i> across captive and wild populations. <i>Scientific Reports</i> , 2022, 12, .                            | 1.6 | 1         |
| 72 | An unexpected new red-bellied <i>Stumpffia</i> ( <i>Microhylidae</i> ) from forest fragments in central Madagascar highlights remaining cryptic diversity. <i>ZooKeys</i> , 0, 1104, 1-28.  | 0.5 | 1         |

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|----|---|------|-----------|
| 73 | Modelling genetics within ecosystems. <i>Nature</i> , 2013, 495, 47-47.   | 13.7 | 0         |
| 74 | The complete mitogenome of the Mountain chicken frog, <i>Leptodactylus fallax</i> . <i>Mitochondrial DNA Part B: Resources</i> , 2021, 6, 1372-1373.  | 0.2  | 0         |
| 75 | The complete mitochondrial genome of rare and Critically Endangered <i>Anilany helenae</i> (Microhylidae) of Madagascar. <i>Mitochondrial DNA Part B: Resources</i> , 2022, 7, 153-155.   | 0.2  | 0         |
| 76 | Diversidad genética y estructura poblacional del ovino Junco mediante el uso de microarreglos de alta densidad de marcadores polimórficos de nucleótido simple (SNP). <i>Revista De Investigaciones Veterinarias Del Peru</i> , 2022, 33, e21459. | 0.0  | 0         |