

# Sergio L Pereira

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

3,468  
citations

236612

25  
h-index

243296

44  
g-index

46  
all docs

46  
docs citations

46  
times ranked

7033  
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole genome sequencing resource identifies 18 new candidate genes for autism spectrum disorder. <i>Nature Neuroscience</i> , 2017, 20, 602-611.	7.1	691
2	Epigenomic alterations define lethal CIMP-positive ependymomas of infancy. <i>Nature</i> , 2014, 506, 445-450.	13.7	521
3	A Mitogenomic Timescale for Birds Detects Variable Phylogenetic Rates of Molecular Evolution and Refutes the Standard Molecular Clock. <i>Molecular Biology and Evolution</i> , 2006, 23, 1731-1740.	3.5	222
4	Phylogenetic relationships and divergence times of Charadriiformes genera: multigene evidence for the Cretaceous origin of at least 14 clades of shorebirds. <i>Biology Letters</i> , 2007, 3, 205-210.	1.0	173
5	A Comprehensive Workflow for Read Depth-Based Identification of Copy-Number Variation from Whole-Genome Sequence Data. <i>American Journal of Human Genetics</i> , 2018, 102, 142-155.	2.6	156
6	Phylogenetics, biogeography and classification of, and character evolution in, gamebirds (Aves): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 495-532.	1.5	144
7	Multiple gene evidence for expansion of extant penguins out of Antarctica due to global cooling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 11-17.	1.2	118
8	Mitochondrial and Nuclear DNA Sequences Support a Cretaceous Origin of Columbiformes and a Dispersal-Driven Radiation in the Paleogene. <i>Systematic Biology</i> , 2007, 56, 656-672.	2.7	110
9	Phylogenetic Relationships and Historical Biogeography of Neotropical Parrots (Psittaciformes): Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 54 55, 454-470.	2.7	108
10	Compound heterozygous mutations in the noncoding RNU4ATAC cause Roifman Syndrome by disrupting minor intron splicing. <i>Nature Communications</i> , 2015, 6, 8718.	5.8	104
11	A molecular timescale for galliform birds accounting for uncertainty in time estimates and heterogeneity of rates of DNA substitutions across lineages and sites. <i>Molecular Phylogenetics and Evolution</i> , 2006, 38, 499-509.	1.2	103
12	Mitochondrial genome organization and vertebrate phylogenetics. <i>Genetics and Molecular Biology</i> , 2000, 23, 745-752.	0.6	89
13	Spell Checking Nature: Versatility of CRISPR/Cas9 for Developing Treatments for Inherited Disorders. <i>American Journal of Human Genetics</i> , 2016, 98, 90-101.	2.6	86
14	Fatal combined immunodeficiency associated with heterozygous mutation in STAT1. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 807-817.	1.5	81
15	Low number of mitochondrial pseudogenes in the chicken ( <i>Gallus gallus</i> ) nuclear genome: implications for molecular inference of population history and phylogenetics. <i>BMC Evolutionary Biology</i> , 2004, 4, 17.	3.2	78
16	Combined Nuclear and Mitochondrial DNA Sequences Resolve Generic Relationships within the Cracidae (Galliformes, Aves). <i>Systematic Biology</i> , 2002, 51, 946-958.	2.7	75
17	A microcosting and costâ€“consequence analysis of clinical genomic testing strategies in autism spectrum disorder. <i>Genetics in Medicine</i> , 2017, 19, 1268-1275.	1.1	62
18	VICARIANT SPECIATION OF CURASSOWS (AVES, CRACIDAE): A HYPOTHESIS BASED ON MITOCHONDRIAL DNA PHYLOGENY. <i>Auk</i> , 2004, 121, 682.	0.7	58

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19	The Personal Genome Project Canada: findings from whole genome sequences of the inaugural 56 participants. <i>Cmaj</i> , 2018, 190, E126-E136.	0.9	57
20	The Cardiac Genome Clinic: implementing genome sequencing in pediatric heart disease. <i>Genetics in Medicine</i> , 2020, 22, 1015-1024.	1.1	51
21	The CF Canada-Sick Kids Program in individual CF therapy: A resource for the advancement of personalized medicine in CF. <i>Journal of Cystic Fibrosis</i> , 2019, 18, 35-43.	0.3	50
22	DNA evidence for a Paleocene origin of the Alcidae (Aves: Charadriiformes) in the Pacific and multiple dispersals across northern oceans. <i>Molecular Phylogenetics and Evolution</i> , 2008, 46, 430-445.	1.2	47
23	Sex identification of parrots, toucans, and curassows by PCR: Perspectives for wild and captive population studies. <i>Zoo Biology</i> , 1998, 17, 415-423.	0.5	37
24	Impact of DNA source on genetic variant detection from human whole-genome sequencing data. <i>Journal of Medical Genetics</i> , 2019, 56, 809-817.	1.5	32
25	MULTIPLE GENE EVIDENCE FOR PARALLEL EVOLUTION AND RETENTION OF ANCESTRAL MORPHOLOGICAL STATES IN THE SHANKS (CHARADRIIFORMES: SCOLOPACIDAE). <i>Condor</i> , 2005, 107, 514.	0.7	29
26	Molecular phylogenetics and biogeography of Neotropical piping guans (Aves: Galliformes): <i>Pipile Bonaparte, 1856</i> is synonym of <i>Aburria Reichenbach, 1853</i> . <i>Molecular Phylogenetics and Evolution</i> , 2005, 35, 637-645.	1.2	27
27	Molecular architecture and rates of DNA substitutions of the mitochondrial control region of cracid birds. <i>Genome</i> , 2004, 47, 535-545.	0.9	26
28	Adult siblings with homozygous G6PC3 mutations expand our understanding of the severe congenital neutropenia type 4 (SCN4) phenotype. <i>BMC Medical Genetics</i> , 2012, 13, 111.	2.1	19
29	<i>De Novo</i> Genome and Transcriptome Assembly of the Canadian Beaver ( <i>Castor canadensis</i> ). <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 755-773.	0.8	18
30	A homozygous mutation in the stem II domain of RNU4ATAC causes typical Roifman syndrome. <i>Npj Genomic Medicine</i> , 2017, 2, 23.	1.7	14
31	Reintroduction of guans of the genus <i>Penelope</i> (Cracidae, Aves) in reforested areas in Brazil: assessment by DNA fingerprinting. <i>Biological Conservation</i> , 1999, 87, 31-38.	1.9	13
32	Expanding the search for genetic biomarkers of Parkinson's disease into the living brain. <i>Neurobiology of Disease</i> , 2020, 140, 104872.	2.1	11
33	Whole-exome analysis of foetal autopsy tissue reveals a frameshift mutation in OBSL1, consistent with a diagnosis of 3-M Syndrome. <i>BMC Genomics</i> , 2015, 16, S12.	1.2	9
34	The historical biogeography of <i>Pteroglossus aracaris</i> (Aves, Piciformes, Ramphastidae) based on Bayesian analysis of mitochondrial DNA sequences. <i>Genetics and Molecular Biology</i> , 2008, 31, 964-973.	0.6	8
35	Trio genome sequencing for developmental delay and pediatric heart conditions: A comparative microcost analysis. <i>Genetics in Medicine</i> , 2022, 24, 1027-1036.	1.1	7
36	Estimates of the genetic variability in a natural population of Bare-faced Curassow <i>Crax fasciolata</i> (Aves, Galliformes, Cracidae). <i>Bird Conservation International</i> , 2001, 11, 301-308.	0.7	6

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37	The enigmatic monotypic crab plover <i>Dromas ardeola</i> is closely related to pratincoles and coursers (Aves, Charadriiformes, Glareolidae). <i>Genetics and Molecular Biology</i> , 2010, 33, 583-586.	0.6	6
38	A Distributed Whole Genome Sequencing Benchmark Study. <i>Frontiers in Genetics</i> , 2020, 11, 612515.	1.1	6
39	The genetic diversity of Epstein-Barr virus in the setting of transplantation relative to non-transplant settings: A feasibility study. <i>Pediatric Transplantation</i> , 2016, 20, 124-129.	0.5	5
40	Mitochondrial-DNA evidence shows the Australian Painted Snipe is a full species, <i>Rostratula australis</i> . <i>Emu</i> , 2007, 107, 185-189.	0.2	3
41	Phylogenomics, Protein Family Evolution, and the Tree of Life: An Integrated Approach between Molecular Evolution and Computational Intelligence. <i>Studies in Computational Intelligence</i> , 2008, , 259-279.	0.7	3
42	Ant-Based Phylogenetic Reconstruction (ABPR): A new distance algorithm for phylogenetic estimation based on ant colony optimization. <i>Genetics and Molecular Biology</i> , 2008, 31, 974-981.	0.6	2
43	Curassows and Related Birds. Second Edition. <i>Condor</i> , 2005, 107, 479.	0.7	1
44	Did increased taxon and character sampling really reveal novel intergeneric relationships in the Cracidae (Aves: Galliformes)?. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2009, 47, 103-104.	0.6	1
45	Curassows and Related Birds. Second Edition. <i>Condor</i> , 2005, 107, 479-480.	0.7	0