

Francisco J Ayala

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103
papers

2,104
citations

25
h-index

43
g-index

117
ext. papers

2,521
ext. citations

6.5
avg, IF

5.28
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 103 | ¿Clonar humanos? Lñites de la eugenesia. <i>Arbor</i> , 2019 , 195, 502 | 0.2 | |
| 102 | Complete mitochondrial genome of the great sculpin (Cottoidei: Cottidae). <i>Mitochondrial DNA Part B: Resources</i> , 2019 , 4, 2361-2362 | 0.5 | 2 |
| 101 | Complete mitochondrial genome of the Belligerent sculpin <i>Megalocottus platycephalus</i> (Cottoidei: Cottidae). <i>Mitochondrial DNA Part B: Resources</i> , 2019 , 4, 2980-2981 | 0.5 | 1 |
| 100 | How clonal is <i>Trypanosoma congolense</i> ? A necessary clarification of the predominant clonal evolution model. <i>Acta Tropica</i> , 2019 , 190, 28-29 | 3.2 | |
| 99 | Chromosomal inversions promote genomic islands of concerted evolution of Hsp70 genes in the <i>Drosophila subobscura</i> species subgroup. <i>Molecular Ecology</i> , 2019 , 28, 1316-1332 | 5.7 | 8 |
| 98 | A misleading description of the predominant clonal evolution model in <i>Trypanosoma cruzi</i> . <i>Acta Tropica</i> , 2018 , 187, 13-14 | 3.2 | 3 |
| 97 | Complete mitochondrial genome of the European smelt (Osmeriformes, Osmeridae). <i>Mitochondrial DNA Part B: Resources</i> , 2018 , 3, 744-745 | 0.5 | 3 |
| 96 | Complete mitochondrial genome of the Arctic rainbow smelt (Osmeriformes, Osmeridae). <i>Mitochondrial DNA Part B: Resources</i> , 2018 , 3, 879-880 | 0.5 | 1 |
| 95 | Complete mitochondrial genome of the surf smelt (Osmeriformes, Osmeridae). <i>Mitochondrial DNA Part B: Resources</i> , 2018 , 3, 1071-1072 | 0.5 | 1 |
| 94 | Hybridization in <i>Trypanosoma congolense</i> does not challenge the predominant clonal evolution model. A comment on Tihon'et' al., 2017, Mol. Ecol. <i>Molecular Ecology</i> , 2018 , 27, 3421-3424 | 5.7 | 4 |
| 93 | Encephalitis is mediated by ROP18 of , a severe pathogen in AIDS patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5344-E5352 | 11.5 | 18 |
| 92 | Complete mitochondrial genome of the Kamchatka grayling <i>Thymallus mertensii</i> (Salmoniformes, Salmonidae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2017 , 28, 135-136 | 1.3 | 1 |
| 91 | Guanylate-binding protein 1 (GBP1) contributes to the immunity of human mesenchymal stromal cells against <i>Toxoplasma gondii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 1365-1370 | 11.5 | 40 |
| 90 | Which brain networks related to art perception are we talking about?: Comment on "Move me, astonish meDelight my eyes and brain: The Vienna Integrated Model of top-down and bottom-up processes in Art Perception (VIMAP) and corresponding affective, evaluative, and neurophysiological correlates" by Matthew Pelowski et al. <i>Physics of Life Reviews</i> , 2017 , 21, 133-134 | 2.1 | 3 |
| 89 | Extensive flagellar remodeling during the complex life cycle of , an early-branching trypanosomatid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 11757-11762 | 11.5 | 29 |
| 88 | Nitric oxide blocks the development of the human parasite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10214-10219 | 11.5 | 25 |
| 87 | The extension of biology through culture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7775-7781 | 11.5 | 72 |

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|----|---|------|----|
| 86 | Complete mitochondrial genome of the VolkS sculpin (Cottoidei: Cottidae). <i>Mitochondrial DNA Part B: Resources</i> , 2017 , 2, 185-186 | 0.5 | 2 |
| 85 | Complete mitochondrial genome of the Sakhalin sculpin (Cottoidei: Cottidae). <i>Mitochondrial DNA Part B: Resources</i> , 2017 , 2, 244-245 | 0.5 | 2 |
| 84 | Complete mitochondrial genome of the phenotypically-diverse sea urchin (Strongylocentrotidae, Echinoidea). <i>Mitochondrial DNA Part B: Resources</i> , 2017 , 2, 613-614 | 0.5 | 1 |
| 83 | Complete Mitochondrial Genomes of the CherskiiS Sculpin and Siberian Taimen Reveal GenBank Entry Errors: Incorrect Species Identification and Recombinant Mitochondrial Genome. <i>Evolutionary Bioinformatics</i> , 2017 , 13, 1176934317726783 | 1.9 | 8 |
| 82 | Relevant units of analysis for applied and basic research dealing with neglected transmissible diseases: The predominant clonal evolution model of pathogenic microorganisms. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005293 | 4.8 | 7 |
| 81 | Tracking zoonotic pathogens using blood-sucking flies as flying syringesS <i>ELife</i> , 2017 , 6, | 8.9 | 22 |
| 80 | Complete mitochondrial genome of the white char <i>Salvelinus albus</i> (Salmoniformes, Salmonidae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016 , 27, 3753-4 | 1.3 | 8 |
| 79 | Complete mitochondrial genome of Siberian taimen, <i>Hucho taimen</i> not introgressed by the lenok subspecies, <i>Brachymystax lenok</i> and <i>B. lenok tsinlingensis</i> . <i>Mitochondrial DNA</i> , 2016 , 27, 815-6 | | 4 |
| 78 | Complete mitochondrial genome of blunt-snouted lenok <i>Brachymystax tumensis</i> (Salmoniformes, Salmonidae). <i>Mitochondrial DNA</i> , 2016 , 27, 882-3 | | 3 |
| 77 | Complete mitochondrial genome of Sakhalin taimen <i>Parahucho perryi</i> (Salmoniformes, Salmonidae) without two frame-disrupting indels in the ND4 gene. <i>Mitochondrial DNA</i> , 2016 , 27, 1020-1 | | 2 |
| 76 | Complete mitochondrial genomes of the Northern (<i>Salvelinus malma</i>) and Southern (<i>Salvelinus curilus</i>) Dolly Varden chars (Salmoniformes, Salmonidae). <i>Mitochondrial DNA</i> , 2016 , 27, 1016-7 | | 8 |
| 75 | Highly rearranged mitochondrial genome in <i>Nycteria</i> parasites (Haemosporidia) from bats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9834-9 | 11.5 | 11 |
| 74 | In the light of evolution X: Comparative phylogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7957-61 | 11.5 | 38 |
| 73 | Medical Informatics and the "Three Long, One Short" Problem of Large Urban Hospitals in China. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 316, 269-70 | 27.4 | 11 |
| 72 | Complete mitochondrial genome of the yellow-spotted grayling (Salmoniformes, Salmonidae). <i>Mitochondrial DNA Part B: Resources</i> , 2016 , 1, 289-290 | 0.5 | 0 |
| 71 | Complete mitochondrial genomes of the anadromous and resident forms of the lamprey <i>Lethenteron camtschaticum</i> . <i>Mitochondrial DNA</i> , 2016 , 27, 1730-1 | | 5 |
| 70 | DNA polymorphism and selection at the bindin locus in three <i>Strongylocentrotus</i> sp. (Echinoidea). <i>BMC Genetics</i> , 2016 , 17, 66 | 2.6 | 1 |
| 69 | Complete mitochondrial genome of the stone char (Salmoniformes, Salmonidae). <i>Mitochondrial DNA Part B: Resources</i> , 2016 , 1, 287-288 | 0.5 | 13 |

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|----|---|------|-----|
| 68 | Two distinct cytokinesis pathways drive trypanosome cell division initiation from opposite cell ends. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3287-92 | 11.5 | 37 |
| 67 | Ape malaria transmission and potential for ape-to-human transfers in Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5329-34 | 11.5 | 45 |
| 66 | Complete mitochondrial genome of the Amur sculpin (Cottoidei: Cottidae). <i>Mitochondrial DNA Part B: Resources</i> , 2016 , 1, 737-738 | 0.5 | 6 |
| 65 | The population genetics of <i>Trypanosoma cruzi</i> revisited in the light of the predominant clonal evolution model. <i>Acta Tropica</i> , 2015 , 151, 156-65 | 3.2 | 37 |
| 64 | Cancer in the parasitic protozoans <i>Trypanosoma brucei</i> and <i>Toxoplasma gondii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8835-42 | 11.5 | 22 |
| 63 | Cloning humans? Biological, ethical, and social considerations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8879-86 | 11.5 | 17 |
| 62 | In the light of evolution IX: Clonal reproduction: Alternatives to sex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8824-6 | 11.5 | 7 |
| 61 | Infection by <i>Toxoplasma gondii</i> , a severe parasite in neonates and AIDS patients, causes impaired anion secretion in airway epithelia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4435-40 | 11.5 | 9 |
| 60 | Wild chimpanzees are infected by <i>Trypanosoma brucei</i> . <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2015 , 4, 277-82 | 2.6 | 11 |
| 59 | Reproductive clonality in protozoan pathogens--truth or artifact? A comment on Ramirez and Llewellyn. <i>Molecular Ecology</i> , 2015 , 24, 5778-81 | 5.7 | 7 |
| 58 | How clonal are <i>Neisseria</i> species? The epidemic clonality model revisited. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8909-13 | 11.5 | 15 |
| 57 | Malaria continues to select for sickle cell trait in Central Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7051-4 | 11.5 | 58 |
| 56 | Both endo-siRNAs and tRNA-derived small RNAs are involved in the differentiation of primitive eukaryote <i>Giardia lamblia</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14159-64 | 11.5 | 31 |
| 55 | Brain keys in the appreciation of beauty: a tale of two worlds. <i>Rendiconti Lincei</i> , 2014 , 25, 277-284 | 1.7 | 7 |
| 54 | <i>Cryptosporidium</i> , <i>Giardia</i> , <i>Cryptococcus</i> , <i>Pneumocystis</i> genetic variability: cryptic biological species or clonal near-clades?. <i>PLoS Pathogens</i> , 2014 , 10, e1003908 | 7.6 | 33 |
| 53 | New insights into clonality and panmixia in <i>Plasmodium</i> and <i>Toxoplasma</i> . <i>Advances in Parasitology</i> , 2014 , 84, 253-68 | 3.2 | 16 |
| 52 | How clonal are <i>Trypanosoma</i> and <i>Leishmania</i> ?. <i>Trends in Parasitology</i> , 2013 , 29, 264-9 | 6.4 | 67 |
| 51 | Reproductive clonality of pathogens: a perspective on pathogenic viruses, bacteria, fungi, and parasitic protozoa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E3305-13 | 11.5 | 143 |

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| 50 | Walter Monroe Fitch (May 21, 1929 - March 10, 2011): a memorial tribute. <i>Infection, Genetics and Evolution</i> , 2012 , 12, 1587-9 | 4.5 | |
| 49 | Elixir of life: In vino veritas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3457-8 | 11.5 | 16 |
| 48 | Colloquium paper: the difference of being human: morality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107 Suppl 2, 9015-22 | 11.5 | 46 |
| 47 | Darwin's explanation of design: from natural theology to natural selection. <i>Infection, Genetics and Evolution</i> , 2010 , 10, 840-3 | 4.5 | 2 |
| 46 | Darwin and the scientific method. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106 Suppl 1, 10033-9 | 11.5 | 54 |
| 45 | Darwin at 200. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 2475-6 | 11.5 | 5 |
| 44 | Where is Darwin 200 years later?. <i>Journal of Genetics</i> , 2008 , 87, 321-5 | 1.2 | |
| 43 | The Vatican and evolution. <i>History and Philosophy of the Life Sciences</i> , 2007 , 29, 225-9 | 1 | |
| 42 | Molecular Evolution, Natural Selection, and Imperfect Design. <i>FASEB Journal</i> , 2006 , 20, A37 | 0.9 | |
| 41 | Evolution vs. creationism. <i>History and Philosophy of the Life Sciences</i> , 2006 , 28, 71-82 | 1 | 1 |
| 40 | Introduction and Institutionalization of Genetics in Mexico Ana Barahona, Susana Pinar and Francisco J. Ayala. <i>Journal of the History of Biology</i> , 2005 , 38, 273-299 | 0.8 | 8 |
| 39 | Chromosome speciation: humans, Drosophila, and mosquitoes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102 Suppl 1, 6535-42 | 11.5 | 230 |
| 38 | Evolutionary Genetics of Plasmodium falciparum, the Agent of Malignant Malaria 2004 , 39-74 | | 2 |
| 37 | The effect of superoxide dismutase alleles on aging in Drosophila 2004 , 198-204 | | |
| 36 | Nucleotide Variation in the tinman and bagpipe Homeobox Genes of Drosophila melanogaster. <i>Genetics</i> , 2004 , 166, 1845-1856 | 4 | 4 |
| 35 | 2002 Neodarwinism and infectious diseases transmission: an e-debate. <i>Infection, Genetics and Evolution</i> , 2002 , 1, 249-53 | 4.5 | |
| 34 | Genetic polymorphism at two linked loci, Sod and Est-6, in Drosophila melanogaster. <i>Gene</i> , 2002 , 300, 19-29 | 3.8 | 15 |
| 33 | Xanthine dehydrogenase (XDH): episodic evolution of a "neutral" protein. <i>Journal of Molecular Evolution</i> , 2001 , 53, 485-95 | 3.1 | 6 |

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|----|--|------|-----|
| 32 | Debating Darwin. <i>Biology and Philosophy</i> , 2000 , 15, 559-573 | 1.7 | 2 |
| 31 | Fluctuating mutation bias and the evolution of base composition in <i>Drosophila</i> . <i>Journal of Molecular Evolution</i> , 2000 , 50, 1-10 | 3.1 | 31 |
| 30 | Disparate evolution of paralogous introns in the Xdh gene of <i>Drosophila</i> . <i>Journal of Molecular Evolution</i> , 2000 , 50, 123-30 | 3.1 | 5 |
| 29 | Theodosius Dobzhansky: A man for all seasons 2000 , 5, 48-60 | | 4 |
| 28 | Fitness of wild-caught <i>Drosophila melanogaster</i> females: allozyme variants of GPDH, ADH, PGM, and EST. <i>Genetica</i> , 1999 , 105, 7-18 | 1.5 | 5 |
| 27 | On the evolution of Dopa decarboxylase (Ddc) and <i>Drosophila</i> systematics. <i>Journal of Molecular Evolution</i> , 1999 , 48, 445-62 | 3.1 | 48 |
| 26 | Molecular clock mirages. <i>BioEssays</i> , 1999 , 21, 71-5 | 4.1 | 88 |
| 25 | Switch in codon bias and increased rates of amino acid substitution in the <i>Drosophila saltans</i> species group. <i>Genetics</i> , 1999 , 153, 339-50 | 4 | 35 |
| 24 | Molecular evolution of two linked genes, Est-6 and Sod, in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 1999 , 153, 1357-69 | 4 | 23 |
| 23 | Religion and science. <i>Science</i> , 1999 , 284, 1773 | 33.3 | |
| 22 | INTERSPECIFIC LABORATORY COMPETITION OF THE RECENTLY SYMPATRIC SPECIES <i>DROSOPHILA SUBOBSCURA</i> AND <i>DROSOPHILA PSEUDOOBSCURA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1998 , 52, 269-274 | 3.8 | 10 |
| 21 | Genetic polymorphism and natural selection in the malaria parasite <i>Plasmodium falciparum</i> . <i>Genetics</i> , 1998 , 149, 189-202 | 4 | 186 |
| 20 | The recent origin of allelic variation in antigenic determinants of <i>Plasmodium falciparum</i> . <i>Genetics</i> , 1998 , 150, 515-7 | 4 | 19 |
| 19 | PRESUMPTIVE RAPID SPECIATION AFTER A FOUNDER EVENT IN A LABORATORY POPULATION OF <i>NEREIS</i> : ALLOZYME ELECTROPHORETIC EVIDENCE DOES NOT SUPPORT THE HYPOTHESIS. <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 457-461 | 3.8 | 4 |
| 18 | Science in latin america. <i>Science</i> , 1995 , 267, 826-7 | 33.3 | 13 |
| 17 | FOUNDER-FLUSH SPECIATION IN <i>DROSOPHILA PSEUDOOBSCURA</i> : A LARGE-SCALE EXPERIMENT. <i>Evolution; International Journal of Organic Evolution</i> , 1993 , 47, 432-444 | 3.8 | 38 |
| 16 | The effect of superoxide dismutase alleles on aging in <i>Drosophila</i> . <i>Genetica</i> , 1993 , 91, 143-9 | 1.5 | 54 |
| 15 | Clonal defence. <i>Nature</i> , 1991 , 350, 385-6 | 50.4 | 12 |

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|----|--|------|----|
| 14 | Fertility and viability at the Sod locus in <i>Drosophila melanogaster</i> : non-additive and asymmetric selection. <i>Genetical Research</i> , 1991 , 57, 267-72 | 1.1 | 1 |
| 13 | A truncated P element is inserted in the transcribed region of the Cu,Zn SOD gene of an SOD "null" strain of <i>Drosophila melanogaster</i> . <i>Free Radical Research Communications</i> , 1991 , 12-13 Pt 1, 429-35 | | 3 |
| 12 | Mitochondrial DNA evolution in the <i>Drosophila nasuta</i> subgroup of species. <i>Journal of Molecular Evolution</i> , 1989 , 28, 337-48 | 3.1 | 21 |
| 11 | Fertility interactions in <i>Drosophila</i> : Theoretical model and experimental tests. <i>Journal of Evolutionary Biology</i> , 1989 , 2, 1-12 | 2.3 | 5 |
| 10 | ON THE ORIGIN OF INCIPIENT REPRODUCTIVE ISOLATION: THE CASE OF DROSOPHILA ALBOMICANS AND D. NASUTA. <i>Evolution; International Journal of Organic Evolution</i> , 1989 , 43, 1610-1624 | 3.8 | 15 |
| 9 | DENSITY-DEPENDENT EVOLUTION OF LIFE-HISTORY TRAITS IN DROSOPHILA MELANOGASTER. <i>Evolution; International Journal of Organic Evolution</i> , 1989 , 43, 382-392 | 3.8 | 53 |
| 8 | Toward a New Philosophy of Biology. Observations of an Evolutions. Ernst Mayr. Belknap (Harvard University Press), Cambridge, MA, 1988. xii, 564 pp. \$35. <i>Science</i> , 1988 , 240, 1801-1801 | 33.3 | 1 |
| 7 | Genetic Diversity and Linkage Disequilibrium in <i>Drosophila melanogaster</i> with Different Rates of Development. <i>Genetics</i> , 1987 , 117, 513-20 | 4 | 5 |
| 6 | Evolutionary History of the Malaria Parasites 175-187 | | 1 |
| 5 | The Theory of Biological Evolution: Historical and Philosophical Aspects 57-85 | | |
| 4 | Evolutionary Developmental Biology 87-115 | | 10 |
| 3 | Human Biological Evolution 117-222 | | 6 |
| 2 | The Evolution Controversies: An Overview 27-46 | | 3 |
| 1 | Evolution on a Restless Planet: Were Environmental Variability and Environmental Change Major Drivers of Human Evolution? 223-242 | | 17 |