

Jose Castresana

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6889260/publications.pdf>

Version: 2024-02-01

65
papers

17,797
citations

109321

35
h-index

110387

64
g-index

67
all docs

67
docs citations

67
times ranked

23239
citing authors

#	ARTICLE	IF	CITATIONS
1	Selection of Conserved Blocks from Multiple Alignments for Their Use in Phylogenetic Analysis. <i>Molecular Biology and Evolution</i> , 2000, 17, 540-552.	8.9	8,843
2	Improvement of Phylogenies after Removing Divergent and Ambiguously Aligned Blocks from Protein Sequence Alignments. <i>Systematic Biology</i> , 2007, 56, 564-577.	5.6	4,438
3	Quantitative studies of the structure of proteins in solution by fourier-transform infrared spectroscopy. <i>Progress in Biophysics and Molecular Biology</i> , 1993, 59, 23-56.	2.9	764
4	Phylogenetic and Ecological Analysis of Novel Marine Stramenopiles. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3528-3534.	3.1	321
5	Evolution of cytochrome oxidase, an enzyme older than atmospheric oxygen.. <i>EMBO Journal</i> , 1994, 13, 2516-2525.	7.8	232
6	Cytochrome oxidase evolved by tinkering with denitrification enzymes. <i>FEBS Letters</i> , 1994, 341, 1-4.	2.8	230
7	Evolution of energetic metabolism: the respiration-early hypothesis. <i>Trends in Biochemical Sciences</i> , 1995, 20, 443-448.	7.5	195
8	Nitric oxide reductases in bacteria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1459, 266-273.	1.0	172
9	Inverse Relationship Between Evolutionary Rate and Age of Mammalian Genes. <i>Molecular Biology and Evolution</i> , 2005, 22, 598-606.	8.9	152
10	Does Vav bind to F-actin through a CH domain?. <i>FEBS Letters</i> , 1995, 374, 149-151.	2.8	135
11	Structure and thermal denaturation of crystalline and noncrystalline cytochrome oxidase as studied by infrared spectroscopy. <i>Biochemistry</i> , 1994, 33, 11650-11655.	2.5	132
12	Is mammalian chromosomal evolution driven by regions of genome fragility?. <i>Genome Biology</i> , 2006, 7, R115.	9.6	130
13	New Archaeobacterial Genes Coding for Redox Proteins: Implications for the Evolution of Aerobic Metabolism. <i>Journal of Molecular Biology</i> , 1995, 250, 202-210.	4.2	108
14	Cytochrome b Phylogeny and the Taxonomy of Great Apes and Mammals. <i>Molecular Biology and Evolution</i> , 2001, 18, 465-471.	8.9	99
15	A Second Terminal Oxidase in <i>Sulfolobus acidocaldarius</i> . <i>FEBS Journal</i> , 1994, 224, 151-159.	0.2	95
16	The K tree score: quantification of differences in the relative branch length and topology of phylogenetic trees. <i>Bioinformatics</i> , 2007, 23, 2954-2956.	4.1	93
17	The Mitochondrial Genome of the Hemichordate <i>Balanoglossus carnosus</i> and the Evolution of Deuterostome Mitochondria. <i>Genetics</i> , 1998, 150, 1115-1123.	2.9	90
18	On homology searches by protein Blast and the characterization of the age of genes. <i>BMC Evolutionary Biology</i> , 2007, 7, 53.	3.2	86

#	ARTICLE	IF	CITATIONS
19	Codon reassignment and amino acid composition in hemichordate mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 3703-3707.	7.1	80
20	A Role for Cholesterol as a Structural Effector of the Nicotinic Acetylcholine Receptor. Biochemistry, 1994, 33, 4065-4071.	2.5	72
21	Topological variation in single-gene phylogenetic trees. Genome Biology, 2007, 8, 216.	8.8	71
22	Evolution of the spectrin repeat. BioEssays, 1997, 19, 811-817.	2.5	69
23	Respiratory Chains in the Last Common Ancestor of Living Organisms. Journal of Molecular Evolution, 1999, 49, 453-460.	1.8	66
24	Molecular dating of caprines using ancient DNA sequences of Myotragus balearicus, an extinct endemic Balearic mammal. BMC Evolutionary Biology, 2005, 5, 70.	3.2	66
25	A Molecular Phylogeny of Two Extinct Sloths. Molecular Phylogenetics and Evolution, 2001, 18, 94-103.	2.7	63
26	Distribution and evolutionary trends of photoprotective isoprenoids (xanthophylls and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (to	3.2	56
27	Diversification rates and the latitudinal gradient of diversity in mammals. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4148-4155.	2.6	53
28	An infrared spectroscopic study of β -galactosidase structure in aqueous solutions. FEBS Letters, 1989, 252, 118-120.	2.8	52
29	Comparative genomics and bioenergetics. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1506, 147-162.	1.0	51
30	Genes on human chromosome 19 show extreme divergence from the mouse orthologs and a high GC content. Nucleic Acids Research, 2002, 30, 1751-1756.	14.5	50
31	Orcokinin in insects and other invertebrates. Insect Biochemistry and Molecular Biology, 2004, 34, 1141-1146.	2.7	48
32	Protein stability and interaction of the nicotinic acetylcholine receptor with cholinergic ligands studied by Fourier-transform infrared spectroscopy. Biochemical Journal, 1992, 288, 421-426.	3.7	44
33	Novel intron markers to study the phylogeny of closely related mammalian species. BMC Evolutionary Biology, 2010, 10, 369.	3.2	43
34	Partial dehydration of phosphatidylethanolamine phosphate groups during hexagonal phase formation, as seen by i.r. spectroscopy. Biochemical Journal, 1992, 282, 467-470.	3.7	40
35	A hominoid-specific nuclear insertion of the mitochondrial D-loop: implications for reconstructing ancestral mitochondrial sequences. Molecular Biology and Evolution, 1998, 15, 463-469.	8.9	40
36	Impact of Deep Coalescence on the Reliability of Species Tree Inference from Different Types of DNA Markers in Mammals. PLoS ONE, 2012, 7, e30239.	2.5	35

#	ARTICLE	IF	CITATIONS
37	The structure of proteins in aqueous solutions: An assessment of triose phosphate isomerase structure by fourier-transform infrared spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 1988, 152, 69-75.	2.1	34
38	Phylogeography and postglacial expansion of the endangered semi-aquatic mammal <i>Galemys pyrenaicus</i> . <i>BMC Evolutionary Biology</i> , 2013, 13, 115.	3.2	33
39	Using relatedness networks to infer contemporary dispersal: Application to the endangered mammal <i>Galemys pyrenaicus</i> . <i>Molecular Ecology</i> , 2017, 26, 3343-3357.	3.9	30
40	Paleogenomics in a Temperate Environment: Shotgun Sequencing from an Extinct Mediterranean Caprine. <i>PLoS ONE</i> , 2009, 4, e5670.	2.5	30
41	Phylogenetic position of <i>Salinibacter ruber</i> based on concatenated protein alignments. <i>Systematic and Applied Microbiology</i> , 2007, 30, 171-179.	2.8	29
42	Quantitative analysis of connectivity in populations of a semi-aquatic mammal using kinship categories and network assortativity. <i>Molecular Ecology Resources</i> , 2019, 19, 310-326.	4.8	29
43	Protein structural effects of agonist binding to the nicotinic acetylcholine receptor. <i>FEBS Letters</i> , 1992, 314, 171-175.	2.8	27
44	Estimation of genetic distances from human and mouse introns. <i>Genome Biology</i> , 2002, 3, research0028.1.	9.6	23
45	The physical state of ubiquinone-10, in pure form and incorporated into phospholipid bilayers. A Fourier-transform infrared spectroscopic study. <i>FEBS Journal</i> , 1992, 204, 1125-1130.	0.2	22
46	A pipeline for metabarcoding and diet analysis from fecal samples developed for a small semi-aquatic mammal. <i>PLoS ONE</i> , 2018, 13, e0201763.	2.5	22
47	Multilocus species trees and species delimitation in a temporal context: application to the water shrews of the genus <i>Neomys</i> . <i>BMC Evolutionary Biology</i> , 2015, 15, 209.	3.2	21
48	Estimation of Phylogenetic Inconsistencies in the Three Domains of Life. <i>Molecular Biology and Evolution</i> , 2008, 25, 2319-2329.	8.9	18
49	Clustering of Genes Coding for DNA Binding Proteins in a Region of Atypical Evolution of the Human Genome. <i>Journal of Molecular Evolution</i> , 2004, 59, 72-9.	1.8	17
50	The cDNA for leucomyosuppressin in <i>Blattella germanica</i> and molecular evolution of insect myosuppressins. <i>Peptides</i> , 2004, 25, 1883-1889.	2.4	16
51	Genomic diversity and geographical structure of the Pyrenean desman. <i>Conservation Genetics</i> , 2016, 17, 1333-1344.	1.5	15
52	An infrared spectroscopic study of specifically deuterated fatty-acyl methyl groups in phosphatidylcholine liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1991, 1065, 29-34.	2.6	14
53	Role of cholesterol as a structural and functional effector of the nicotinic acetylcholine receptor. <i>Biochemical Society Transactions</i> , 1994, 22, 776-780.	3.4	13
54	The genome of the Pyrenean desman and the effects of bottlenecks and inbreeding on the genomic landscape of an endangered species. <i>Evolutionary Applications</i> , 2021, 14, 1898-1913.	3.1	11

#	ARTICLE	IF	CITATIONS
55	Spatial mixing of mitochondrial lineages and greater genetic diversity in some invasive populations of the American mink (<i>Neovison vison</i>) compared to native populations. <i>Biological Invasions</i> , 2017, 19, 2663-2673.	2.4	10
56	The lamellar to hexagonal phase transition in phosphatidylethanolamine liposomes: A fluorescence anisotropy study. <i>Biochemical and Biophysical Research Communications</i> , 1990, 168, 987-992.	2.1	9
57	Postglacial dispersal patterns and mitochondrial genetic structure of the Pyrenean desman (<i>Galemys pyrenaicus</i>) in the northwestern region of the Iberian Peninsula. <i>Ecology and Evolution</i> , 2017, 7, 4486-4495.	1.9	9
58	Evolutionary history of the endemic water shrew <i>Neomys anomalus</i> : Recurrent phylogeographic patterns in semi-aquatic mammals of the Iberian Peninsula. <i>Ecology and Evolution</i> , 2018, 8, 10138-10146.	1.9	9
59	Divergence time estimation using ddRAD data and an isolation-with-migration model applied to water vole populations of <i>Arvicola</i> . <i>Scientific Reports</i> , 2022, 12, 4065.	3.3	9
60	Patterns of mammalian diversification in recent evolutionary times: global tendencies and methodological issues. <i>Journal of Evolutionary Biology</i> , 2011, 24, 2611-2623.	1.7	8
61	Development of Rapidly Evolving Intron Markers to Estimate Multilocus Species Trees of Rodents. <i>PLoS ONE</i> , 2014, 9, e96032.	2.5	8
62	Solubilization of sarcoplasmic reticulum membranes by sodium dodecylsulphate. <i>FEBS Letters</i> , 1990, 269, 324-327.	2.8	5
63	Accelerated Evolution of Genes of Recent Origin. , 2008, , 45-59.		4
64	Interaction of SDS with Î²-galactosidase. A FT-IR study of the influence of detergent concentration and temperature.. <i>Journal of Molecular Structure</i> , 1988, 175, 67-72.	3.6	3
65	Size increase without genetic divergence in the Eurasian water shrew <i>Neomys fodiens</i> . <i>Scientific Reports</i> , 2019, 9, 17375.	3.3	3