

Alejandro SÃ¡nchez-Gracia

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

8,525
citations

331259

21
h-index

253896

43
g-index

47
all docs

47
docs citations

47
times ranked

12230
citing authors

#	ARTICLE	IF	CITATIONS
1	DnaSP 6: DNA Sequence Polymorphism Analysis of Large Data Sets. <i>Molecular Biology and Evolution</i> , 2017, 34, 3299-3302.	3.5	4,056
2	Evolution of genes and genomes on the <i>Drosophila</i> phylogeny. <i>Nature</i> , 2007, 450, 203-218.	13.7	1,886
3	Genomic insights into the <i>Ixodes scapularis</i> tick vector of Lyme disease. <i>Nature Communications</i> , 2016, 7, 10507.	5.8	450
4	Molecular evolution of the major chemosensory gene families in insects. <i>Heredity</i> , 2009, 103, 208-216.	1.2	430
5	The First Myriapod Genome Sequence Reveals Conservative Arthropod Gene Content and Genome Organisation in the Centipede <i>Strigamia maritima</i> . <i>PLoS Biology</i> , 2014, 12, e1002005.	2.6	221
6	Comparative genomic analysis of the odorant-binding protein family in 12 <i>Drosophila</i> genomes: purifying selection and birth-and-death evolution. <i>Genome Biology</i> , 2007, 8, R235.	13.9	170
7	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 76, 118-147.	1.2	154
8	The avocado genome informs deep angiosperm phylogeny, highlights introgressive hybridization, and reveals pathogen-influenced gene space adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17081-17089.	3.3	134
9	Genomic Analysis of European <i>Drosophila melanogaster</i> Populations Reveals Longitudinal Structure, Continent-Wide Selection, and Previously Unknown DNA Viruses. <i>Molecular Biology and Evolution</i> , 2020, 37, 2661-2678.	3.5	104
10	Genome of the pitcher plant <i>Cephalotus</i> reveals genetic changes associated with carnivory. <i>Nature Ecology and Evolution</i> , 2017, 1, 59.	3.4	99
11	High rate of horizontal transfer of transposable elements in <i>Drosophila</i> . <i>Trends in Genetics</i> , 2005, 21, 200-203.	2.9	83
12	Insights into the origin and distribution of biodiversity in the Brazilian Atlantic forest hot spot: a statistical phylogeographic study using a low-dispersal organism. <i>Heredity</i> , 2014, 112, 656-665.	1.2	60
13	Genomic adaptations to aquatic and aerial life in mayflies and the origin of insect wings. <i>Nature Communications</i> , 2020, 11, 2631.	5.8	57
14	<sc>bitacora</sc>: A comprehensive tool for the identification and annotation of gene families in genome assemblies. <i>Molecular Ecology Resources</i> , 2020, 20, 1445-1452.	2.2	44
15	Evolution of chemosensory gene families in arthropods: Insight from the first inclusive comparative transcriptome analysis across spider appendages. <i>Genome Biology and Evolution</i> , 2017, 9, evw296.	1.1	43
16	Family Size Evolution in <i>Drosophila</i> Chemosensory Gene Families: A Comparative Analysis with a Critical Appraisal of Methods. <i>Genome Biology and Evolution</i> , 2014, 6, 1669-1682.	1.1	40
17	The genome sequence of the grape phylloxera provides insights into the evolution, adaptation, and invasion routes of an iconic pest. <i>BMC Biology</i> , 2020, 18, 90.	1.7	40
18	Comparative Genomics Reveals Thousands of Novel Chemosensory Genes and Massive Changes in Chemoreceptor Repertoires across Chelicerates. <i>Genome Biology and Evolution</i> , 2018, 10, 1221-1236.	1.1	35

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19	Impact of Deep Coalescence on the Reliability of Species Tree Inference from Different Types of DNA Markers in Mammals. PLoS ONE, 2012, 7, e30239.	1.1	35
20	Assessing Associations between the AURKA-HMMR-TPX2-TUBG1 Functional Module and Breast Cancer Risk in BRCA1/2 Mutation Carriers. PLoS ONE, 2015, 10, e0120020.	1.1	34
21	Imprints of multiple glacial refugia in the Pyrenees revealed by phylogeography and palaeodistribution modelling of an endemic spider. Molecular Ecology, 2016, 25, 2046-2064.	2.0	31
22	The draft genome sequence of the spider <i>Dysdera silvatica</i> (Araneae, Dysderidae): A valuable resource for functional and evolutionary genomic studies in chelicerates. GigaScience, 2019, 8, .	3.3	25
23	Cryptic species delineation in freshwater planarians of the genus <i>Dugesia</i> (Platyhelminthes, Tj ETQq1 1 0.784314 rgBT /Overlock 10 T variability. Molecular Phylogenetics and Evolution, 2020, 143, 106496.	1.2	24
24	Divergent evolution and molecular adaptation in the <i>Drosophila</i> odorant-binding protein family: inferences from sequence variation at the OS-E and OS-F genes. BMC Evolutionary Biology, 2008, 8, 323.	3.2	23
25	Legacies of domestication, trade and herder mobility shape extant male zebu cattle diversity in South Asia and Africa. Scientific Reports, 2018, 8, 18027.	1.6	23
26	Chance and predictability in evolution: The genomic basis of convergent dietary specializations in an adaptive radiation. Molecular Ecology, 2019, 28, 4028-4045.	2.0	21
27	Sequence diversity patterns suggesting balancing selection in partially sex-linked genes of the plant <i>Silene latifolia</i> are not generated by demographic history or gene flow. Molecular Ecology, 2017, 26, 1357-1370.	2.0	17
28	Two <i>Frequenin</i> s in <i>Drosophila</i> : unveiling the evolutionary history of an unusual Neuronal Calcium Sensor (NCS) duplication. BMC Evolutionary Biology, 2010, 10, 54.	3.2	14
29	Comparative analysis of tissue-specific transcriptomes in the funnel-web spider <i>Macrothele calpeiana</i> (Araneae, Hexathelidae). PeerJ, 2015, 3, e1064.	0.9	14
30	Mycobacterial Phylogenomics: An Enhanced Method for Gene Turnover Analysis Reveals Uneven Levels of Gene Gain and Loss among Species and Gene Families. Genome Biology and Evolution, 2014, 6, 1454-1465.	1.1	13
31	Understanding the Early Evolutionary Stages of a Tandem <i>Drosophila melanogaster</i> -Specific Gene Family: A Structural and Functional Population Study. Molecular Biology and Evolution, 2020, 37, 2584-2600.	3.5	12
32	The chromosome-scale assembly of the Canary Islands endemic spider <i>Dysdera silvatica</i> (Arachnida, Araneae) sheds light on the origin and genome structure of chemoreceptor gene families in chelicerates. Molecular Ecology Resources, 2022, 22, 375-390.	2.2	12
33	Comparative Genomics Uncovers Unique Gene Turnover and Evolutionary Rates in a Gene Family Involved in the Detection of Insect Cuticular Pheromones. Genome Biology and Evolution, 2016, 8, 1734-1747.	1.1	11
34	Molecular population genetics of the OBP83 genomic region in <i>Drosophila subobscura</i> and <i>D. guanche</i> : contrasting the effects of natural selection and gene arrangement expansion in the patterns of nucleotide variation. Heredity, 2011, 106, 191-201.	1.2	10
35	Evolutionary History of Major Chemosensory Gene Families across Panarthropoda. Molecular Biology and Evolution, 2020, 37, 3601-3615.	3.5	10
36	Patterns of Nucleotide Polymorphism and Divergence in the Odorant-Binding Protein Genes <i>OS-E</i> and <i>OS-F</i> : Analysis in the <i>Melanogaster</i> Species Subgroup of <i>Drosophila</i> . Genetics, 2003, 165, 1279-1288.	1.2	10

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37	DOMINO: development of informative molecular markers for phylogenetic and genome-wide population genetic studies in non-model organisms. <i>Bioinformatics</i> , 2016, 32, 3753-3759.	1.8	8
38	Unusual Pattern of Nucleotide Sequence Variation at the OS-E and OS-F Genomic Regions of <i>Drosophila simulans</i> . <i>Genetics</i> , 2007, 175, 1923-1935.	1.2	6
39	Genome mining and sequence analysis of chemosensory soluble proteins in arthropods. <i>Methods in Enzymology</i> , 2020, 642, 1-20.	0.4	5
40	Genetic data from the extinct giant rat from Tenerife (Canary Islands) points to a recent divergence from mainland relatives. <i>Biology Letters</i> , 2021, 17, 20210533.	1.0	5
41	Positive selection in extra cellular domains in the diversification of <i>Strigamia maritima</i> chemoreceptors. <i>Frontiers in Ecology and Evolution</i> , 2015, 3, .	1.1	3
42	Computational prediction of the phenotypic effects of genetic variants: basic concepts and some application examples in <i>Drosophila</i> nervous system genes. <i>Journal of Neurogenetics</i> , 2017, 31, 307-319.	0.6	2