

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	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. <i>Molecular Ecology Resources</i> , 2022, 22, 375-390.	2.2	12
2	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
3	Cryptic species delineation in freshwater planarians of the genus <i>Dugesia</i> (Platyhelminthes, Tj ETQq1 1 0.784314 rgBT /Overlock 10 T variability. <i>Molecular Phylogenetics and Evolution</i> , 2020, 143, 106496.	1.2	24
4	Evolutionary History of Major Chemosensory Gene Families across Panarthropoda. <i>Molecular Biology and Evolution</i> , 2020, 37, 3601-3615.	3.5	10
5	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
6	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
7	Understanding the Early Evolutionary Stages of a Tandem <i>Drosophila melanogaster</i> -Specific Gene Family: A Structural and Functional Population Study. <i>Molecular Biology and Evolution</i> , 2020, 37, 2584-2600.	3.5	12
8	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
9	<i>scp>bitacora</scp></i> : 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
10	Genome mining and sequence analysis of chemosensory soluble proteins in arthropods. <i>Methods in Enzymology</i> , 2020, 642, 1-20.	0.4	5
11	The draft genome sequence of the spider <i>Dysdera silvatica</i> (Araneae, Dysderidae): A valuable resource for functional and evolutionary genomic studies in chelicerates. <i>GigaScience</i> , 2019, 8, .	3.3	25
12	Chance and predictability in evolution: The genomic basis of convergent dietary specializations in an adaptive radiation. <i>Molecular Ecology</i> , 2019, 28, 4028-4045.	2.0	21
13	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
14	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
15	Legacies of domestication, trade and herder mobility shape extant male zebu cattle diversity in South Asia and Africa. <i>Scientific Reports</i> , 2018, 8, 18027.	1.6	23
16	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, eww296.	1.1	43
17	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
18	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. <i>Molecular Ecology</i> , 2017, 26, 1357-1370.	2.0	17

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19	DnaSP 6: DNA Sequence Polymorphism Analysis of Large Data Sets. <i>Molecular Biology and Evolution</i> , 2017, 34, 3299-3302.	3.5	4,056
20	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
21	Imprints of multiple glacial refugia in the Pyrenees revealed by phylogeography and palaeodistribution modelling of an endemic spider. <i>Molecular Ecology</i> , 2016, 25, 2046-2064.	2.0	31
22	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
23	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
24	Comparative Genomics Uncovers Unique Gene Turnover and Evolutionary Rates in a Gene Family Involved in the Detection of Insect Cuticular Pheromones. <i>Genome Biology and Evolution</i> , 2016, 8, 1734-1747.	1.1	11
25	Genomic insights into the <i>Ixodes scapularis</i> tick vector of Lyme disease. <i>Nature Communications</i> , 2016, 7, 10507.	5.8	450
26	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
27	Assessing Associations between the AURKA-HMMR-TPX2-TUBG1 Functional Module and Breast Cancer Risk in BRCA1/2 Mutation Carriers. <i>PLoS ONE</i> , 2015, 10, e0120020.	1.1	34
28	Comparative analysis of tissue-specific transcriptomes in the funnel-web spider <i>Macrothele calpeiana</i> (Araneae, Hexathelidae). <i>PeerJ</i> , 2015, 3, e1064.	0.9	14
29	Mycobacterial Phylogenomics: An Enhanced Method for Gene Turnover Analysis Reveals Uneven Levels of Gene Gain and Loss among Species and Gene Families. <i>Genome Biology and Evolution</i> , 2014, 6, 1454-1465.	1.1	13
30	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
31	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
32	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
33	Impact of Deep Coalescence on the Reliability of Species Tree Inference from Different Types of DNA Markers in Mammals. <i>PLoS ONE</i> , 2012, 7, e30239.	1.1	35
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. <i>Heredity</i> , 2011, 106, 191-201.	1.2	10
35	Two Frequenins in <i>Drosophila</i> : unveiling the evolutionary history of an unusual Neuronal Calcium Sensor (NCS) duplication. <i>BMC Evolutionary Biology</i> , 2010, 10, 54.	3.2	14
36	Molecular evolution of the major chemosensory gene families in insects. <i>Heredity</i> , 2009, 103, 208-216.	1.2	430

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37	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. <i>BMC Evolutionary Biology</i> , 2008, 8, 323.	3.2	23
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	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
40	Evolution of genes and genomes on the <i>Drosophila</i> phylogeny. <i>Nature</i> , 2007, 450, 203-218.	13.7	1,886
41	High rate of horizontal transfer of transposable elements in <i>Drosophila</i> . <i>Trends in Genetics</i> , 2005, 21, 200-203.	2.9	83
42	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> . <i>Genetics</i> , 2003, 165, 1279-1288.	1.2	10