

Carmela Gissi

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

5,376
citations

136950

32
h-index

189892

50
g-index

57
all docs

57
docs citations

57
times ranked

7445
citing authors

#	ARTICLE	IF	CITATIONS
1	Untranslated regions of mRNAs. <i>Genome Biology</i> , 2002, 3, reviews0004.1.	9.6	779
2	The amphioxus genome illuminates vertebrate origins and cephalochordate biology. <i>Genome Research</i> , 2008, 18, 1100-1111.	5.5	456
3	Evolutionary genomics in Metazoa: the mitochondrial DNA as a model system. <i>Gene</i> , 1999, 238, 195-209.	2.2	396
4	Nucleotide Substitution Rate of Mammalian Mitochondrial Genomes. <i>Journal of Molecular Evolution</i> , 1999, 48, 427-434.	1.8	395
5	Structural and functional features of eukaryotic mRNA untranslated regions. <i>Gene</i> , 2001, 276, 73-81.	2.2	365
6	The guinea-pig is not a rodent. <i>Nature</i> , 1996, 381, 597-600.	27.8	339
7	The genome sequence of the colonial chordate, <i>Botryllus schlosseri</i> . <i>ELife</i> , 2013, 2, e00569.	6.0	209
8	Morphological evidence that the molecularly determined <i>Ciona intestinalis</i> type A and type B are different species: <i>Ciona robusta</i> and <i>Ciona intestinalis</i> . <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2015, 53, 186-193.	1.4	206
9	UTRdb and UTRsite: specialized databases of sequences and functional elements of 5' and 3' untranslated regions of eukaryotic mRNAs. Update 2002. <i>Nucleic Acids Research</i> , 2002, 30, 335-340.	14.5	176
10	Tissue-specific mtDNA abundance from exome data and its correlation with mitochondrial transcription, mass and respiratory activity. <i>Mitochondrion</i> , 2015, 20, 13-21.	3.4	146
11	Evolution of the mitochondrial genetic system: an overview. <i>Gene</i> , 2000, 261, 153-159.	2.2	122
12	Congruent Mammalian Trees from Mitochondrial and Nuclear Genes Using Bayesian Methods. <i>Molecular Biology and Evolution</i> , 2003, 21, 397-403.	8.9	111
13	Where Do Rodents Fit? Evidence from the Complete Mitochondrial Genome of <i>Sciurus vulgaris</i> . <i>Molecular Biology and Evolution</i> , 2000, 17, 979-983.	8.9	110
14	Lineage-Specific Evolutionary Rate in Mammalian mtDNA. <i>Molecular Biology and Evolution</i> , 2000, 17, 1022-1031.	8.9	107
15	The Gas family of proteins of <i>Saccharomyces cerevisiae</i> : characterization and evolutionary analysis. <i>Yeast</i> , 2007, 24, 297-308.	1.7	99
16	Mitochondrial DNA in metazoa: degree of freedom in a frozen event. <i>Gene</i> , 2002, 286, 3-12.	2.2	97
17	Morphological Differences between Larvae of the <i>Ciona intestinalis</i> Species Complex: Hints for a Valid Taxonomic Definition of Distinct Species. <i>PLoS ONE</i> , 2015, 10, e0122879.	2.5	88
18	Phylogenetic Comparison of Huntingtin Homologues Reveals the Appearance of a Primitive polyQ in Sea Urchin. <i>Molecular Biology and Evolution</i> , 2008, 25, 330-338.	8.9	78

#	ARTICLE	IF	CITATIONS
19	Mitogenomics reveals two cryptic species in <i>Ciona intestinalis</i> . <i>Trends in Genetics</i> , 2007, 23, 419-422.	6.7	73
20	Analysis of oligonucleotide AUG start codon context in eukariotic mRNAs. <i>Gene</i> , 2000, 261, 85-91.	2.2	70
21	The Complete Mitochondrial DNA Sequence of the Rabbit, <i>Oryctolagus cuniculus</i> . <i>Genomics</i> , 1998, 50, 161-169.	2.9	68
22	ANISEED 2015: a digital framework for the comparative developmental biology of ascidians. <i>Nucleic Acids Research</i> , 2016, 44, D808-D818.	14.5	68
23	The influence of invasive jellyfish blooms on the aquatic microbiome in a coastal lagoon (Varano, SE Tj ETQq1 1 0.784314 rgBT / Over	2.4	58
24	Deep Sequencing of Mixed Total DNA without Barcodes Allows Efficient Assembly of Highly Plastic Ascidian Mitochondrial Genomes. <i>Genome Biology and Evolution</i> , 2013, 5, 1185-1199.	2.5	56
25	MitoZoa 2.0: a database resource and search tools for comparative and evolutionary analyses of mitochondrial genomes in Metazoa. <i>Nucleic Acids Research</i> , 2012, 40, D1168-D1172.	14.5	49
26	MitoZoa: A curated mitochondrial genome database of metazoans for comparative genomics studies. <i>Mitochondrion</i> , 2010, 10, 192-199.	3.4	47
27	Complete mtDNA of <i>Ciona intestinalis</i> Reveals Extensive Gene Rearrangement and the Presence of an <i>atp8</i> and an Extra <i>trnM</i> Gene in Ascidians. <i>Journal of Molecular Evolution</i> , 2004, 58, 376-389.	1.8	45
28	Phylogenetic analyses of complete mitochondrial genome sequences suggest a basal divergence of the enigmatic rodent <i>Anomalurus</i> . <i>BMC Evolutionary Biology</i> , 2007, 7, 16.	3.2	45
29	Tick-Box for 3' End Formation of Mitochondrial Transcripts in Ixodida, Basal Chelicerates and <i>Drosophila</i> . <i>PLoS ONE</i> , 2012, 7, e47538.	2.5	45
30	Mitochondrial phylogeny of Anura (Amphibia): A case study of congruent phylogenetic reconstruction using amino acid and nucleotide characters. <i>Gene</i> , 2006, 366, 228-237.	2.2	40
31	Ascidian Mitogenomics: Comparison of Evolutionary Rates in Closely Related Taxa Provides Evidence of Ongoing Speciation Events. <i>Genome Biology and Evolution</i> , 2014, 6, 591-605.	2.5	39
32	Hypervariability of Ascidian Mitochondrial Gene Order: Exposing the Myth of Deuterostome Organelle Genome Stability. <i>Molecular Biology and Evolution</i> , 2010, 27, 211-215.	8.9	38
33	Assessment of orthologous splicing isoforms in human and mouse orthologous genes. <i>BMC Genomics</i> , 2010, 11, 534.	2.8	37
34	Transcript Mapping and Genome Annotation of Ascidian mtDNA Using EST Data. <i>Genome Research</i> , 2003, 13, 2203-2212.	5.5	32
35	Comparative Genomics Reveals Early Emergence and Biased Spatiotemporal Distribution of SARS-CoV-2. <i>Molecular Biology and Evolution</i> , 2021, 38, 2547-2565.	8.9	31
36	The mitochondrial genome of <i>Phallusia mammillata</i> and <i>Phallusia fumigata</i> (Tunicata, Ascidiacea): high genome plasticity at intra-genus level. <i>BMC Evolutionary Biology</i> , 2007, 7, 155.	3.2	27

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37	Huntingtin gene evolution in Chordata and its peculiar features in the ascidian <i>Ciona</i> genus. <i>BMC Genomics</i> , 2006, 7, 288.	2.8	24
38	Fixation, description and DNA barcode of a neotype for <i>Botryllus schlosseri</i> (Pallas, 1766) (Tunicata). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	0.5	23
39	Back to solitude: Solving the phylogenetic position of the Diazonidae using molecular and developmental characters. <i>Molecular Phylogenetics and Evolution</i> , 2016, 100, 51-56.	2.7	21
40	An unprecedented taxonomic revision of a model organism: the paradigmatic case of <i>Ciona robusta</i> and <i>Ciona intestinalis</i> . <i>Zoologica Scripta</i> , 2017, 46, 521-522.	1.7	21
41	The power of combined molecular and morphological analyses for the genus <i>Botrylloides</i> : identification of a potentially global invasive ascidian and description of a new species. <i>Systematics and Biodiversity</i> , 2019, 17, 509-526.	1.2	20
42	Extensive mitochondrial gene rearrangements in Ctenophora: insights from benthic <i>Platyctenida</i> . <i>BMC Evolutionary Biology</i> , 2018, 18, 65.	3.2	15
43	Expression and phylogenetic analyses of the Gel/Gas proteins of <i>Tuber melanosporum</i> provide insights into the function and evolution of glucan remodeling enzymes in fungi. <i>Fungal Genetics and Biology</i> , 2013, 53, 10-21.	2.1	13
44	Toward a resolution of the cosmopolitan <i>Botryllus schlosseri</i> species complex (Ascidiacea). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4</i> the Linnean Society, 2020, 190, 1175-1192.	2.3	13
45	An elongated COI fragment to discriminate botryllid species and as an improved ascidian DNA barcode. <i>Scientific Reports</i> , 2021, 11, 4078.	3.3	13
46	An integrative taxonomic framework for the study of the genus <i>Ciona</i> (Ascidiacea) and description of a new species, <i>Ciona intermedia</i> . <i>Zoological Journal of the Linnean Society</i> , 2020, , .	2.3	10
47	Evaluating the Efficiency of DNA Metabarcoding to Analyze the Diet of <i>Hippocampus guttulatus</i> (Teleostea: Syngnathidae). <i>Life</i> , 2021, 11, 998.	2.4	9
48	Hitch-hikers of the sea: concurrent morphological and molecular identification of <i>Symplegma brakenhielmi</i> (Tunicata: Ascidiacea) in the western Mediterranean Sea. <i>Mediterranean Marine Science</i> , 0, , .	1.6	5
49	Spread of the non-indigenous ascidian <i>Aplidium accarense</i> (Millar, 1953) in the Eastern Mediterranean Sea: morphological and molecular tools for an accurate identification. <i>Mediterranean Marine Science</i> , 0, , .	1.6	4
50	<i>Polyclinum constellatum</i> (Tunicata, Ascidiacea), an emerging non-indigenous species of the Mediterranean Sea: integrated taxonomy and the importance of reliable DNA barcode data. <i>Mediterranean Marine Science</i> , 0, , .	1.6	2
51	Finding Aquaporins in Annelids: An Evolutionary Analysis and a Case Study. <i>Cells</i> , 2021, 10, 3562.	4.1	2
52	Bioinformatics in Italy: BITS2012, the ninth annual meeting of the Italian Society of Bioinformatics. <i>BMC Bioinformatics</i> , 2013, 14, S1.	2.6	1
53	Ascidian Mitogenomics: Comparison of Evolutionary Rates in Closely Related Taxa Provides Evidence of Ongoing Speciation Events. <i>Genome Biology and Evolution</i> , 2014, 6, 931-931.	2.5	1
54	Evaluating DNA metabarcoding to analyze diet composition of wild long-snouted seahorse <i>Hippocampus guttulatus</i> . , 2021, , .		1