

R Desalle

List of Publications by Year in descending order

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86
papers

7,555
citations

57631

44
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53109

85
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86
all docs

86
docs citations

86
times ranked

6443
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Sources of Character Information and the Phylogeny of Hawaiian Drosophilids. <i>Systematic Biology</i> , 1997, 46, 654-673.	2.7	533
2	Taking race out of human genetics. <i>Science</i> , 2016, 351, 564-565.	6.0	474
3	Tempo and mode of sequence evolution in mitochondrial DNA of Hawaiian Drosophila. <i>Journal of Molecular Evolution</i> , 1987, 26, 157-164.	0.8	463
4	Alignment-Ambiguous Nucleotide Sites and the Exclusion of Systematic Data. <i>Molecular Phylogenetics and Evolution</i> , 1993, 2, 152-157.	1.2	323
5	Patterns of mitochondrial versus nuclear DNA sequence divergence among nymphalid butterflies: the utility of wingless as a source of characters for phylogenetic inference. <i>Insect Molecular Biology</i> , 1998, 7, 73-82.	1.0	272
6	DNA sequences from a fossil termite in Oligo-Miocene amber and their phylogenetic implications. <i>Science</i> , 1992, 257, 1933-1936.	6.0	250
7	Assessing the Relative Contribution of Molecular and Morphological Characters in Simultaneous Analysis Trees. <i>Molecular Phylogenetics and Evolution</i> , 1998, 9, 427-436.	1.2	245
8	Character-based DNA barcoding allows discrimination of genera, species and populations in Odonata. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 237-247.	1.2	232
9	Class-level relationships in the phylum Cnidaria: molecular and morphological evidence.. <i>Molecular Biology and Evolution</i> , 1995, 12, 679-89.	3.5	205
10	Nonspecific Adherence by <i>Actinobacillus actinomycetemcomitans</i> Requires Genes Widespread in Bacteria and Archaea. <i>Journal of Bacteriology</i> , 2000, 182, 6169-6176.	1.0	194
11	GENEFAMILYEVOLUTION ANDHOMOLOGY: Genomics Meets Phylogenetics. <i>Annual Review of Genomics and Human Genetics</i> , 2000, 1, 41-73.	2.5	193
12	GENE TREES, SPECIES TREES, AND SYSTEMATICS: A Cladistic Perspective. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1996, 27, 423-450.	6.7	191
13	Phylogeny of genes for secretion NTPases: Identification of the widespread tadA subfamily and development of a diagnostic key for gene classification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 2503-2508.	3.3	189
14	Molecular Phylogeny of Acipenserinae. <i>Molecular Phylogenetics and Evolution</i> , 1998, 9, 141-155.	1.2	185
15	Molecular evolution of glutamate receptors: a primitive signaling mechanism that existed before plants and animals diverged. <i>Molecular Biology and Evolution</i> , 1999, 16, 826-838.	3.5	185
16	flp-1, the first representative of a new pilin gene subfamily, is required for non-specific adherence of <i>Actinobacillus actinomycetemcomitans</i> . <i>Molecular Microbiology</i> , 2001, 40, 542-554.	1.2	179
17	The Identity of Plant Glutamate Receptors. <i>Science</i> , 2001, 292, 1486b-1487.	6.0	175
18	Elision: A Method for Accommodating Multiple Molecular Sequence Alignments with Alignment-Ambiguous Sites. <i>Molecular Phylogenetics and Evolution</i> , 1995, 4, 1-9.	1.2	145

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19	Genes for tight adherence of <i>Actinobacillus actinomycetemcomitans</i> : from plaque to plague to pond scum. <i>Trends in Microbiology</i> , 2001, 9, 429-437.	3.5	135
20	A Cladistic Analysis of Mitochondrial Ribosomal DNA from the Bovidae. <i>Molecular Phylogenetics and Evolution</i> , 1997, 7, 303-319.	1.2	134
21	Discordance of nuclear and mitochondrial DNA phylogenies in Hawaiian <i>Drosophila</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986, 83, 6902-6906.	3.3	111
22	World-wide genetic differentiation of <i>Eubalaena</i> : questioning the number of right whale species. <i>Molecular Ecology</i> , 2000, 9, 1793-1802.	2.0	107
23	Character Congruence of Multiple Data Partitions and the Origin of the Hawaiian <i>Drosophilidae</i> . <i>Molecular Phylogenetics and Evolution</i> , 1998, 9, 225-235.	1.2	101
24	Temporal and Spatial Heterogeneity of mtDNA Polymorphisms in Natural Populations of <i>Drosophila mercatorum</i> . <i>Genetics</i> , 1987, 116, 215-223.	1.2	101
25	Process Partitions, Congruence, and the Independence of Characters: Inferring Relationships among Closely Related Hawaiian <i>Drosophila</i> from Multiple Gene Regions. <i>Systematic Biology</i> , 1997, 46, 751-764.	2.7	100
26	Molluscan engrailed expression, serial organization, and shell evolution. <i>Evolution & Development</i> , 2000, 2, 340-347.	1.1	93
27	The phylogenetic relationships of flies in the family <i>drosophilidae</i> deduced from mtDNA sequences. <i>Molecular Phylogenetics and Evolution</i> , 1992, 1, 31-40.	1.2	90
28	OrthologID: automation of genome-scale ortholog identification within a parsimony framework. <i>Bioinformatics</i> , 2006, 22, 699-707.	1.8	89
29	Calibration of the change in thermal stability of DNA duplexes and degree of base pair mismatch. <i>Journal of Molecular Evolution</i> , 1988, 27, 212-216.	0.8	74
30	Phylogenetic Analysis of the repleta Species Group of the Genus <i>Drosophila</i> Using Multiple Sources of Characters. <i>Molecular Phylogenetics and Evolution</i> , 2000, 16, 296-307.	1.2	72
31	Comparing and combining distance-based and character-based approaches for barcoding turtles. <i>Molecular Ecology Resources</i> , 2011, 11, 956-967.	2.2	72
32	Evolution of MDA-5/RIG-I-dependent innate immunity: Independent evolution by domain grafting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17040-17045.	3.3	71
33	Phylogeny of the Bovidae (Artiodactyla, Mammalia), based on mitochondrial ribosomal DNA sequences.. <i>Molecular Biology and Evolution</i> , 1992, 9, 433-46.	3.5	65
34	PCR jumping in clones of 30-million-year-old DNA fragments from amber preserved termites (<i>Mastotermes electrodominicus</i>). <i>Experientia</i> , 1993, 49, 906-909.	1.2	60
35	Molecular Phylogeny of Acipenseridae: Nonmonophyly of Scaphirhynchinae. <i>Copeia</i> , 2002, 2002, 287-301.	1.4	58
36	Title is missing!. <i>Conservation Genetics</i> , 2000, 1, 81-88.	0.8	57

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37	Mitochondrial DNA variability in natural populations of Hawaiian <i>Drosophila</i> . II. Genetic and phylogenetic relationships of natural populations of <i>D. silvestris</i> and <i>D. heteroneura</i> . <i>Heredity</i> , 1986, 56, 87-96.	1.2	56
38	Mitochondrial DNA variability in natural populations of Hawaiian <i>Drosophila</i> . I. Methods and levels of variability in <i>D. silvestris</i> and <i>D. heteroneura</i> populations. <i>Heredity</i> , 1986, 56, 75-85.	1.2	54
39	[14] Isolation and characterization of animal mitochondrial DNA. <i>Methods in Enzymology</i> , 1993, 224, 176-204.	0.4	52
40	THE EVOLUTION AND DEVELOPMENT OF DIPTERAN WING VEINS: A Systematic Approach. <i>Annual Review of Entomology</i> , 1999, 44, 97-129.	5.7	52
41	ON COMBINING PROTEIN SEQUENCES AND NUCLEIC ACID SEQUENCES IN PHYLOGENETIC ANALYSIS: THE HOMEBOX PROTEIN CASE. <i>Cladistics</i> , 1996, 12, 65-82.	1.5	49
42	Using molecular and ecological data to diagnose endangered populations of the puritan tiger beetle <i>Cicindela puritana</i> . <i>Molecular Ecology</i> , 1993, 2, 375-383.	2.0	48
43	Characteristic attributes in cancer microarrays. <i>Journal of Biomedical Informatics</i> , 2002, 35, 111-122.	2.5	48
44	The origin and possible time of divergence of the Hawaiian <i>Drosophilidae</i> : evidence from DNA sequences.. <i>Molecular Biology and Evolution</i> , 1992, 9, 905-16.	3.5	46
45	Current problems with the zootype and the early evolution of Hox genes. <i>The Journal of Experimental Zoology</i> , 2001, 291, 169-174.	1.4	43
46	An effective method for isolating DNA from historical specimens of baleen. <i>Molecular Ecology</i> , 1997, 6, 677-681.	2.0	42
47	Homogenization of geographical variants at the nontranscribed spacer of rDNA in <i>Drosophila mercatorum</i> .. <i>Molecular Biology and Evolution</i> , 1985, 2, 338-46.	3.5	41
48	A Molecular Phylogeny of Costaceae (Zingiberales). <i>Molecular Phylogenetics and Evolution</i> , 2001, 21, 333-345.	1.2	41
49	Molecular genetic analysis among subspecies of two Eurasian sturgeon species, <i>Acipenser baerii</i> and <i>A. stellatus</i> . <i>Molecular Ecology</i> , 1999, 8, S117-S127.	2.0	37
50	Morphological and Molecular Systematics of the <i>Drosophilidae</i> . <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1991, 22, 447-475.	6.7	36
51	The potential of distance-based thresholds and character-based <sc>DNA</sc> barcoding for defining problematic taxonomic entities by <sc>CO</sc> 1 and <sc>ND</sc> 1. <i>Molecular Ecology Resources</i> , 2013, 13, 1069-1081.	2.2	36
52	THE MOLECULAR THROUGH ECOLOGICAL GENETICS OF ABNORMAL ABDOMEN. II. RIBOSOMAL DNA POLYMORPHISM IS ASSOCIATED WITH THE ABNORMAL ABDOMEN SYNDROME IN <i>DROSOPHILA MERCATORUM</i> . <i>Genetics</i> , 1986, 112, 861-875.	1.2	34
53	Homologues of the engrailed gene from five molluscan classes. <i>FEBS Letters</i> , 1995, 365, 71-74.	1.3	32
54	Characterization of microsatellite loci in the endangered St. Vincent Parrot, <i>Amazona guildingii</i> . <i>Molecular Ecology Notes</i> , 2001, 1, 162-164.	1.7	32

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55	Systematic Analysis of DNA Microarray Data: Ordering and Interpreting Patterns of Gene Expression. <i>Genome Research</i> , 2001, 11, 1149-1155.	2.4	31
56	Analysis of Paedomorphosis Using Allometric Characters: The Example of Reduncini Antelopes (Bovidae, Mammalia). <i>Systematic Biology</i> , 1994, 43, 92-116.	2.7	28
57	Evidence of Adaptive Evolution of Accessory Gland Proteins in Closely Related Species of the <i>Drosophila repleta</i> Group. <i>Molecular Biology and Evolution</i> , 2008, 25, 2043-2053.	3.5	28
58	Low MHC variation in the polar bear: implications in the face of Arctic warming?. <i>Animal Conservation</i> , 2013, 16, 671-683.	1.5	27
59	Molecular evolution in Hawaiian drosophilids. <i>Trends in Ecology and Evolution</i> , 1987, 2, 212-216.	4.2	26
60	Captive breeding, reintroduction, and the conservation genetics of black and white ruffed lemurs, <i>Varecia variegata variegata</i> . <i>Molecular Ecology</i> , 1999, 8, S107-S115.	2.0	26
61	Isolation and characterization of microsatellite loci in <i>Piaractus mesopotamicus</i> and their applicability in other Serrasalminae fish. <i>Molecular Ecology Notes</i> , 2001, 1, 245-247.	1.7	26
62	Polytene chromosomes as indicators of phylogeny in several species groups of <i>Drosophila</i> . <i>BMC Evolutionary Biology</i> , 2001, 1, 6.	3.2	26
63	Implications of ancient DNA for phylogenetic studies. <i>Experientia</i> , 1994, 50, 543-550.	1.2	25
64	Phylogeny and Character Behavior in the Family Lemuridae. <i>Molecular Phylogenetics and Evolution</i> , 2000, 15, 124-134.	1.2	25
65	THE MOLECULAR THROUGH ECOLOGICAL GENETICS OF ABNORMAL ABDOMEN. III. TISSUE-SPECIFIC DIFFERENTIAL REPLICATION OF RIBOSOMAL GENES MODULATES THE ABNORMAL ABDOMEN PHENOTYPE IN <i>DROSOPHILA MERCATORUM</i> . <i>Genetics</i> , 1986, 112, 877-886.	1.2	24
66	The molecular through ecological genetics of abnormal abdomen. IV. Components of genetic variation in a natural population of <i>Drosophila mercatorum</i> . <i>Genetics</i> , 1992, 130, 355-366.	1.2	23
67	The mtDNA Genealogy of Closely Related <i>Drosophila silvestris</i> . <i>Journal of Heredity</i> , 1992, 83, 211-216.	1.0	21
68	Phylogenetic Pattern and Developmental Process in <i>Drosophila</i> . <i>Systematic Biology</i> , 1993, 42, 458-475.	2.7	20
69	Speciation and phylogenetic resolution. <i>Trends in Ecology and Evolution</i> , 1994, 9, 297-298.	4.2	20
70	Can we ever identify the Urmetazoan?. <i>Integrative and Comparative Biology</i> , 2007, 47, 670-676.	0.9	20
71	[4] Collection and storage of invertebrate samples. <i>Methods in Enzymology</i> , 1993, 224, 51-65.	0.4	19
72	Characters and the Systematics of Drosophilidae. <i>Journal of Heredity</i> , 1992, 83, 182-188.	1.0	17

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73	Molecular phylogeny of Acipenserinae and black caviar species identification.. Journal of Applied Ichthyology, 1999, 15, 12-16.	0.3	17
74	Failure to confirm previous identification of two putative museum specimens of the Atlantic sturgeon, <i>Acipenser sturio</i> , as the Adriatic sturgeon, <i>A. naccarii</i> . Marine Biology, 2000, 136, 373-377.	0.7	16
75	DNA Isolation, Manipulation and Characterization from Old Tissues. , 1996, 18, 13-32.		15
76	The Plant Proteome Folding Project: Structure and Positive Selection in Plant Protein Families. Genome Biology and Evolution, 2012, 4, 360-371.	1.1	13
77	Very old DNA. Current Opinion in Genetics and Development, 1994, 4, 810-815.	1.5	12
78	Transformationalism, Taxism, and Developmental Biology in Systematics. Systematic Biology, 2000, 49, 19-27.	2.7	12
79	Computational problems in molecular systematics. Exs, 1994, 69, 353-370.	1.4	9
80	Insect evolution: How the fruit fly changed (some of) its spots. Current Biology, 2000, 10, R75-R77.	1.8	6
81	Hierarchical structure in the <i>Drosophila mojavensis</i> cluster (Diptera: Drosophilidae). Hereditas, 2004, 139, 223-227.	0.5	5
82	Flies and congruence. American Journal of Physical Anthropology, 1994, 94, 125-141.	2.1	4
83	Genetic differentiation and adaptive evolution at reproductive loci in incipient <i>Drosophila</i> species. Journal of Evolutionary Biology, 2017, 30, 524-537.	0.8	4
84	Crossroads, Milestones, and Landmarks in Insect Development and Evolution: Implications for Systematics. Aliso, 1995, 14, 305-321.	0.4	4
85	Genetic divergence within the <i>Drosophila mayaguana</i> subcluster, a closely related triad of Caribbean species in the <i>repleta</i> species group. Hereditas, 2002, 136, 240-246.	0.5	3
86	The evolution of HOM-C homeoboxes in the Dipteran family Drosophilidae. Insect Molecular Biology, 2003, 12, 345-351.	1.0	1