

Rute R Da Fonseca

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

6,058
citations

201575

27
h-index

149623

56
g-index

69
all docs

69
docs citations

69
times ranked

9483
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-genome analyses resolve early branches in the tree of life of modern birds. <i>Science</i> , 2014, 346, 1320-1331.	6.0	1,583
2	Comparative genomics reveals insights into avian genome evolution and adaptation. <i>Science</i> , 2014, 346, 1311-1320.	6.0	895
3	Patterns of Positive Selection in Six Mammalian Genomes. <i>PLoS Genetics</i> , 2008, 4, e1000144.	1.5	529
4	The adaptive evolution of the mammalian mitochondrial genome. <i>BMC Genomics</i> , 2008, 9, 119.	1.2	303
5	Large-scale ruminant genome sequencing provides insights into their evolution and distinct traits. <i>Science</i> , 2019, 364, .	6.0	266
6	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020, 587, 252-257.	13.7	251
7	Proteomic Analysis of a Pleistocene Mammoth Femur Reveals More than One Hundred Ancient Bone Proteins. <i>Journal of Proteome Research</i> , 2012, 11, 917-926.	1.8	196
8	Next-generation biology: Sequencing and data analysis approaches for non-model organisms. <i>Marine Genomics</i> , 2016, 30, 3-13.	0.4	164
9	Cephalopods in neuroscience: regulations, research and the 3Rs. <i>Invertebrate Neuroscience</i> , 2014, 14, 13-36.	1.8	142
10	Ancient genomics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130387.	1.8	142
11	The origin and evolution of maize in the Southwestern United States. <i>Nature Plants</i> , 2015, 1, 14003.	4.7	138
12	Natural selection shaped the rise and fall of passenger pigeon genomic diversity. <i>Science</i> , 2017, 358, 951-954.	6.0	105
13	Positive selection on the killer whale mitogenome. <i>Biology Letters</i> , 2011, 7, 116-118.	1.0	97
14	Analysis of complete mitochondrial genomes from extinct and extant rhinoceroses reveals lack of phylogenetic resolution. <i>BMC Evolutionary Biology</i> , 2009, 9, 95.	3.2	92
15	Molecular clocks indicate turnover and diversification of modern coleoid cephalopods during the Mesozoic Marine Revolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162818.	1.2	86
16	The Elusive Nature of Adaptive Mitochondrial DNA Evolution of an Arctic Lineage Prone to Frequent Introgression. <i>Genome Biology and Evolution</i> , 2014, 6, 886-896.	1.1	78
17	Phylogenomic analyses data of the avian phylogenomics project. <i>GigaScience</i> , 2015, 4, 4.	3.3	72
18	Molecular evolution and the role of oxidative stress in the expansion and functional diversification of cytosolic glutathione transferases. <i>BMC Evolutionary Biology</i> , 2010, 10, 281.	3.2	71

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19	Cephalopod genomics: A plan of strategies and organization. <i>Standards in Genomic Sciences</i> , 2012, 7, 175-188.	1.5	53
20	Comparative analysis of complete mitochondrial genomes suggests that relaxed purifying selection is driving high nonsynonymous evolutionary rate of the NADH2 gene in whitefish (<i>Coregonus</i> spp.). <i>Molecular Phylogenetics and Evolution</i> , 2016, 95, 161-170.	1.2	53
21	Comparative genomics provides insights into the aquatic adaptations of mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	43
22	Declining genetic diversity of European honeybees along the twentieth century. <i>Scientific Reports</i> , 2020, 10, 10520.	1.6	41
23	High genetic diversity and low differentiation reflect the ecological versatility of the African leopard. <i>Current Biology</i> , 2021, 31, 1862-1871.e5.	1.8	41
24	Shotgun analysis of the marine mussel <i>Mytilus edulis</i> hemolymph proteome and mapping the innate immunity elements. <i>Proteomics</i> , 2015, 15, 4021-4029.	1.3	40
25	Theoretical quantitative structure-activity relationships of flavone ligands interacting with cytochrome P450 1A1 and 1A2 isozymes. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4366-4374.	1.4	39
26	Positive selection on apoptosis related genes. <i>FEBS Letters</i> , 2010, 584, 469-476.	1.3	38
27	A draft genome sequence of the elusive giant squid, <i>Architeuthis dux</i> . <i>GigaScience</i> , 2020, 9, .	3.3	37
28	Identifying loci under positive selection in complex population histories. <i>Genome Research</i> , 2019, 29, 1506-1520.	2.4	36
29	“Out of the Can” A Draft Genome Assembly, Liver Transcriptome, and Nutrigenomics of the European Sardine, <i>Sardina pilchardus</i> . <i>Genes</i> , 2018, 9, 485.	1.0	30
30	Complete Inactivation of Sebum-Producing Genes Parallels the Loss of Sebaceous Glands in Cetacea. <i>Molecular Biology and Evolution</i> , 2019, 36, 1270-1280.	3.5	30
31	Proteomic Profiling of Cytosolic Glutathione Transferases from Three Bivalve Species: <i>Corbicula fluminea</i> , <i>Mytilus galloprovincialis</i> and <i>Anodonta cygnea</i> . <i>International Journal of Molecular Sciences</i> , 2014, 15, 1887-1900.	1.8	29
32	Structural divergence and adaptive evolution in mammalian cytochromes P450 2C. <i>Gene</i> , 2007, 387, 58-66.	1.0	28
33	Response of an Afro-Palearctic bird migrant to glaciation cycles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
34	Combined Transcriptomic and Proteomic Analysis of the Posterior Salivary Gland from the Southern Blue-Ringed Octopus and the Southern Sand Octopus. <i>Journal of Proteome Research</i> , 2016, 15, 3284-3297.	1.8	22
35	Cartilaginous fishes offer unique insights into the evolution of the nuclear receptor gene repertoire in gnathostomes. <i>General and Comparative Endocrinology</i> , 2020, 295, 113527.	0.8	22
36	Proteomic profiling of gill GSTs in <i>Mytilus galloprovincialis</i> from the North of Portugal and Galicia evidences variations at protein isoform level with a possible relation with water quality. <i>Marine Environmental Research</i> , 2015, 110, 152-161.	1.1	19

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37	Genome sequence and effectorome of <i>Monilophthora pernicioso</i> and <i>Monilophthora roreri</i> subpopulations. <i>BMC Genomics</i> , 2018, 19, 509.	1.2	18
38	Adaptive evolution of the Retinoid X receptor in vertebrates. <i>Genomics</i> , 2012, 99, 81-89.	1.3	17
39	A refined model of the genomic basis for phenotypic variation in vertebrate hemostasis. <i>BMC Evolutionary Biology</i> , 2015, 15, 124.	3.2	16
40	Using ultraconserved elements to track the influence of sea-level change on leafy seadragon populations. <i>Molecular Ecology</i> , 2021, 30, 1364-1380.	2.0	16
41	The Crown Pearl: a draft genome assembly of the European freshwater pearl mussel <i>Margaritifera margaritifera</i> (Linnaeus, 1758). <i>DNA Research</i> , 2021, 28, .	1.5	15
42	Adaptive venom evolution and toxicity in octopods is driven by extensive novel gene formation, expansion, and loss. <i>GigaScience</i> , 2020, 9, .	3.3	15
43	Losing Genes: The Evolutionary Remodeling of Cetacea Skin. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	15
44	Conformational characterization of disulfide bonds: A tool for protein classification. <i>Journal of Theoretical Biology</i> , 2010, 267, 388-395.	0.8	12
45	Marine genomics: News and views. <i>Marine Genomics</i> , 2017, 31, 1-8.	0.4	12
46	DivA: detection of non-homologous and very divergent regions in protein sequence alignments. <i>BMC Research Notes</i> , 2014, 7, 806.	0.6	11
47	31° South: The physiology of adaptation to arid conditions in a passerine bird. <i>Molecular Ecology</i> , 2019, 28, 3709-3721.	2.0	11
48	Consequences of breed formation on patterns of genomic diversity and differentiation: the case of highly diverse peripheral Iberian cattle. <i>BMC Genomics</i> , 2019, 20, 334.	1.2	11
49	Evolution of the extracytoplasmic function <i>Yf</i> factor protein family. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqz026.	1.5	9
50	Amino Acid Patterns around Disulfide Bonds. <i>International Journal of Molecular Sciences</i> , 2010, 11, 4673-4686.	1.8	8
51	A resource for sustainable management: De novo assembly and annotation of the liver transcriptome of the Atlantic chub mackerel, <i>Scomber colias</i> . <i>Data in Brief</i> , 2018, 18, 276-284.	0.5	7
52	Population genomic footprints of environmental pollution pressure in natural populations of the Mediterranean mussel. <i>Marine Genomics</i> , 2019, 45, 11-15.	0.4	5
53	Modelling the metabolic action of human and rat CYP1A2 and its relationship with the carcinogenicity of heterocyclic amines. <i>Molecular Physics</i> , 2003, 101, 2731-2741.	0.8	4
54	Liver transcriptome resources of four commercially exploited teleost species. <i>Scientific Data</i> , 2020, 7, 214.	2.4	4

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55	Conservation genomics of the endangered Seychelles Magpie-Robin (<i>Copsychus sechellarum</i>): A unique insight into the history of a precious endemic bird. <i>Ibis</i> , 0, , .	1.0	4
56	A genome assembly of the Atlantic chub mackerel (<i>Scomber colias</i>): a valuable teleost fishing resource. <i>GigaByte</i> , 0, 2022, 1-21.	0.0	3
57	IMPACT: Integrated Multiprogram Platform for Analyses in ConTest. <i>Journal of Heredity</i> , 2011, 102, 366-369.	1.0	2
58	Link Your Sites (LYS) Scripts: Automated Search of Protein Structures and Mapping of Sites Under Positive Selection Detected by PAML. <i>Evolutionary Biology</i> , 2020, 47, 240-245.	0.5	0
59	Computational Insight into Anti-mutagenic Properties of CYP1A Flavonoid Ligands. <i>Medicinal Chemistry</i> , 2005, 1, 355-360.	0.7	0
60	Molecular Interactions Between Human Cytochrome P450 1A2 and Flavone Derivatives. <i>Medicinal Chemistry</i> , 2006, 2, 401-406.	0.7	0