AÂ Rus Hoelzel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5872393/publications.pdf

Version: 2024-02-01

74 papers	3,367 citations	147786 31 h-index	155644 55 g-index
77 all docs	77 docs citations	77 times ranked	3328 citing authors

#	Article	IF	Citations
1	Genetic differentiation between parapatric â€˜nearshoreâ€™ and â€˜offshoreâ€™ populations of the bottlenose dolphin. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 1177-1183.	2.6	193
2	Habitat structure and the dispersal of male and female bottlenose dolphins (Tursiops truncatus). Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1217-1226.	2.6	193
3	Population structure and speciation in the genus Tursiops based on microsatellite and mitochondrial DNA analyses. Journal of Evolutionary Biology, 2003, 17, 363-375.	1.7	169
4	Alpha-male paternity in elephant seals. Behavioral Ecology and Sociobiology, 1999, 46, 298-306.	1.4	153
5	Killer whale predation on marine mammals at Punta Norte, Argentina; food sharing, provisioning and foraging strategy. Behavioral Ecology and Sociobiology, 1991, 29, 197-204.	1.4	148
6	Evolution of Population Structure in a Highly Social Top Predator, the Killer Whale. Molecular Biology and Evolution, 2007, 24, 1407-1415.	8.9	145
7	Genetic differentiation between sympatric Killer whale populations. Heredity, 1991, 66, 191-195.	2.6	125
8	Female philopatry in coastal basins and male dispersion across the North Atlantic in a highly mobile marine species, the sperm whale (Physeter macrocephalus). Molecular Ecology, 2009, 18, 4193-4205.	3.9	118
9	Low worldwide genetic diversity in the basking shark (Cetorhinus maximus). Biology Letters, 2006, 2, 639-642.	2.3	116
10	Low worldwide genetic diversity in the killer whale (Orcinus orca): implications for demographic history. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1467-1473.	2.6	108
11	Molecular Population Genetics of the Southern Elephant Seal Mirounga leonina. Genetics, 1998, 149, 1945-1957.	2.9	104
12	Impact of population bottlenecks on genetic variation and the importance of life-history; a case study of the northern elephant seal. Biological Journal of the Linnean Society, 1999, 68, 23-39.	1.6	103
13	Rapid Response of a Marine Mammal Species to Holocene Climate and Habitat Change. PLoS Genetics, 2009, 5, e1000554.	3.5	92
14	Extreme polygyny among southern elephant seals on Sea Lion Island, Falkland Islands. Behavioral Ecology, 2004, 15, 961-969.	2.2	88
15	Recent Diversification of a Marine Genus (Tursiops spp.) Tracks Habitat Preference and Environmental Change. Systematic Biology, 2013, 62, 865-877.	5.6	84
16	Faunal histories from Holocene ancient DNA. Trends in Ecology and Evolution, 2011, 26, 405-413.	8.7	72
17	Social kin associations and genetic structuring of striped dolphin populations (Stenella) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.9	70
18	Conservation genetics of the short-beaked common dolphin (Delphinus delphis) in the Mediterranean Sea and in the eastern North Atlantic Ocean. Conservation Genetics, 2008, 9, 1479-1487.	1.5	59

#	Article	IF	Citations
19	Local selection and population structure in a deep-sea fish, the roundnose grenadier (Coryphaenoides) Tj ETQq1 1 0.784314 rgBT /Ov	3.9	57
20	Genetic and morphometric differentiation between island and mainland southern elephant seal populations. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 325-332.	2.6	54
21	Bathymetric barriers promoting genetic structure in the deepwater demersal fish tusk (<i>Brosme) Tj ETQq1 1 0.784314 rgBT /Overlo	3.9	54
22	Long-Range Paternal Gene Flow in the Southern Elephant Seal. Science, 2003, 299, 676-676.	12.6	52
23	Unexpected panmixia in a longâ€lived, deepâ€sea fish with wellâ€defined spawning habitat and relatively low fecundity. Molecular Ecology, 2009, 18, 2563-2573.	3.9	51
24	Population genetic structure in the North Atlantic Greenland halibut (<i>Reinhardtius) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (hip Aquatic Sciences, 2007, 64, 857-866.	1.4	49
25	Population genomics of the killer whale indicates ecotype evolution in sympatry involving both selection and drift. Molecular Ecology, 2014, 23, 5179-5192.	3.9	48
26	Population structure of bottlenose dolphins (Tursiops aduncus) impacted by bycatch along the east coast of South Africa. Conservation Genetics, 2008, 9, 627-636.	1.5	47
27	Conservation of adaptive potential and functional diversity. Conservation Genetics, 2019, 20, 1-5.	1.5	46
28	Comparative genomics provides insights into the aquatic adaptations of mammals. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	43
29	Genomics of habitat choice and adaptive evolution in a deep-sea fish. Nature Ecology and Evolution, 2018, 2, 680-687.	7.8	41
30	Dietary Differentiation and the Evolution of Population Genetic Structure in a Highly Mobile Carnivore. PLoS ONE, 2012, 7, e39341.	2.5	40
31	Phylogenomics of the genus Tursiops and closely related Delphininae reveals extensive reticulation among lineages and provides inference about eco-evolutionary drivers. Molecular Phylogenetics and Evolution, 2020, 146, 106756.	2.7	40
32	Adaptive Evolution of Deep-Sea Amphipods from the Superfamily Lysiassanoidea in the North Atlantic. Evolutionary Biology, 2014, 41, 154-165.	1.1	38
33	SambaR: An R package for fast, easy and reproducible populationâ€genetic analyses of biallelic SNP data sets. Molecular Ecology Resources, 2021, 21, 1369-1379.	4.8	37
34	Genetic isolation of a now extinct population of bottlenose dolphins (Tursiops truncatus). Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1611-1616.	2.6	34
35	Delphinid systematics and biogeography with a focus on the current genus Lagenorhynchus: Multiple pathways for antitropical and trans-oceanic radiation. Molecular Phylogenetics and Evolution, 2014, 80, 217-230.	2.7	34
36	Rissoâ€™s dolphins (Grampus griseus) in UK waters are differentiated from a population in the Mediterranean Sea and genetically less diverse. Conservation Genetics, 2007, 8, 727-732.	1.5	32

#	Article	IF	Citations
37	DNA fingerprinting and 'scientific' whaling. Nature, 1988, 333, 305-305.	27.8	31
38	The ecosystem of the Mid-Atlantic Ridge at the sub-polar front and Charlieâ€“Gibbs Fracture Zone; ECO-MAR project strategy and description of the sampling programme 2007â€“2010. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 98, 220-230.	1.4	26
39	Patterns of Population Structure for Inshore Bottlenose Dolphins along the Eastern United States. Journal of Heredity, 2013, 104, 765-778.	2.4	26
40	Depth as a driver of evolution in the deep sea: Insights from grenadiers (Gadiformes: Macrouridae) of the genus Coryphaenoides. Molecular Phylogenetics and Evolution, 2016, 104, 73-82.	2.7	26
41	Relatedness and site fidelity at the southern elephant seal, Mirounga leonina, breeding colony in the Falkland Islands. Animal Behaviour, 2006, 72, 617-626.	1.9	25
42	Balancing and Directional Selection at Exon-2 of the MHC DQB1 Locus among Populations of Odontocete Cetaceans. Molecular Biology and Evolution, 2008, 26, 681-689.	8.9	22
43	Evolution of population genetic structure in marine mammal species. , 2001, , 294-318.		21
44	Looking backwards to look forwards: conservation genetics in a changing world. Conservation Genetics, 2010, 11, 655-660.	1.5	20
45	Kinship and association in a highly social apex predator population, killer whales at Marion Island. Behavioral Ecology, 2017, 28, 750-759.	2.2	20
46	Genetic diversity of bottlenose dolphin (Tursiops sp.) populations in the western North Pacific and the conservation implications. Marine Biology, 2017, 164, 202.	1.5	18
47	Possible cryptic stock structure for minke whales in the North Atlantic: Implications for conservation and management. Biological Conservation, 2011, 144, 2479-2489.	4.1	17
48	Evolution of population genetic structure of the <scp>B</scp>ritish roe deer by natural and anthropogenic processes (<scp>C</scp>apreolus capreolus). Ecology and Evolution, 2013, 3, 89-102.	1.9	16
49	The trouble with â€˜PCRâ€™ machines. Trends in Genetics, 1990, 6, 237.	6.7	15
50	Biogeography and temporal progression during the evolution of striped dolphin population structure in European waters. Journal of Biogeography, 2017, 44, 2681-2691.	3.0	13
51	Demography and adaptation promoting evolutionary transitions in a mammalian genus that diversified during the Pleistocene. Molecular Ecology, 2020, 29, 2777-2792.	3.9	13
52	Strong and lasting impacts of past global warming on baleen whales and their prey. Global Change Biology, 2022, 28, 2657-2677.	9.5	13
53	Eco-Evolutionary Processes Generating Diversity Among Bottlenose Dolphin, Tursiops truncatus, Populations off Baja California, Mexico. Evolutionary Biology, 2018, 45, 223-236.	1.1	12
54	Concordance between genetic diversity and marine biogeography in a highly mobile marine mammal, the Risso's dolphin. Journal of Biogeography, 2018, 45, 2092-2103.	3.0	11

#	Article	IF	Citations
55	The impact of population bottlenecks on fluctuating asymmetry and morphological variance in two separate populations of reindeer on the island of South Georgia. Biological Journal of the Linnean Society, 2011, 102, 798-811.	1.6	9
56	SNP discovery in nonmodel organisms: strand bias and baseâ€substitution errors reduce conversion rates. Molecular Ecology Resources, 2015, 15, 723-736.	4.8	9
57	Genomic data suggest environmental drivers of fish population structure in the deep sea: A case study for the orange roughy (Hoplostethus atlanticus). Journal of Applied Ecology, 2020, 57, 296-306.	4.0	9
58	Impact on Reindeer (Rangifer tarandus) Genetic Diversity from Two Parallel Population Bottlenecks Founded from a Common Source. Evolutionary Biology, 2014, 41, 240-250.	1.1	7
59	Sex-specific impact of inbreeding on pathogen load in the striped dolphin. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200195.	2.6	7
60	Genomic signatures of divergent selection are associated with social behaviour for spinner dolphin ecotypes. Molecular Ecology, 2021, 30, 1993-2008.	3.9	6
61	Differentiation at mitochondrial and nuclear loci between the blesbok (Damaliscus pygargus phillipsi) and bontebok (D. p. pygargus): implications for conservation strategy. Conservation Genetics, 2013, 14, 243-248.	1.5	5
62	The road to speciation runs both ways. Science, 2016, 354, 414-415.	12.6	4
63	Detecting genetic signals of selection in heavily bottlenecked reindeer populations by comparing parallel founder events. Molecular Ecology, 2021, 30, 1642-1658.	3.9	4
64	Natal origin of Namibian grey whale implies new distance record for in-water migration. Biology Letters, 2021, 17, 20210136.	2.3	4
65	Ancient genomes. Genome Biology, 2005, 6, 239.	9.6	3
66	Comparative biogeography and the evolution of population structure for bottlenose and common dolphins in the Indian Ocean. Journal of Biogeography, 2021, 48, 1654-1668.	3.0	3
67	Conservation genetics of the European fallow deer: a reply to Marchesini et al.. Mammalian Biology, 2021, 101, 313-319.	1.5	3
68	Evolution of Functional Genes in Cetaceans Driven by Natural Selection on a Phylogenetic and Population Level. Evolutionary Biology, 2013, 40, 341-354.	1.1	2
69	Population structure associated with bioregion and seasonal prey distribution for Indoâ€Pacific bottlenose dolphins (Tursiops aduncus) in South Africa. Molecular Ecology, 2021, 30, 4642-4659.	3.9	2
70	Molecular Ecology. , 2009, , 736-741.		1
71	Can DNA foil the poachers?. Science, 2015, 349, 34-35.	12.6	1
72	Molecular Ecology. , 2018, , 613-618.		1

#	Article	IF	Citations
73	Conservation Genetics. , 2013, , 263-277.		0
74	Reply to Gaudry etÂal.: Cross-validation is necessary for the identification of pseudogenes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2120427119.	7.1	0