

A Rus Hoelzel

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

4,653
citations

87886

38
h-index

106340

65
g-index

93
all docs

93
docs citations

93
times ranked

4795
citing authors

#	ARTICLE	IF	CITATIONS
1	Whale-call response to masking boat noise. <i>Nature</i> , 2004, 428, 910-910.	27.8	211
2	Genetic differentiation between parapatric "nearshore" and "offshore" populations of the bottlenose dolphin. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 1177-1183.	2.6	193
3	Habitat structure and the dispersal of male and female bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1217-1226.	2.6	193
4	Population structure and speciation in the genus <i>Tursiops</i> based on microsatellite and mitochondrial DNA analyses. <i>Journal of Evolutionary Biology</i> , 2003, 17, 363-375.	1.7	169
5	Alpha-male paternity in elephant seals. <i>Behavioral Ecology and Sociobiology</i> , 1999, 46, 298-306.	1.4	153
6	Killer whale predation on marine mammals at Punta Norte, Argentina; food sharing, provisioning and foraging strategy. <i>Behavioral Ecology and Sociobiology</i> , 1991, 29, 197-204.	1.4	148
7	Evolution of Population Structure in a Highly Social Top Predator, the Killer Whale. <i>Molecular Biology and Evolution</i> , 2007, 24, 1407-1415.	8.9	145
8	Bringing genetic diversity to the forefront of conservation policy and management. <i>Conservation Genetics Resources</i> , 2013, 5, 593-598.	0.8	145
9	Genetic differentiation between sympatric Killer whale populations. <i>Heredity</i> , 1991, 66, 191-195.	2.6	125
10	Rapid evolution of a heteroplasmic repetitive sequence in the mitochondrial DNA control region of carnivores. <i>Journal of Molecular Evolution</i> , 1994, 39, 191-199.	1.8	121
11	Sex-specific foraging strategies and resource partitioning in the southern elephant seal (<i>Mirounga</i>)	2.6	120
12	Female philopatry in coastal basins and male dispersion across the North Atlantic in a highly mobile marine species, the sperm whale (<i>Physeter macrocephalus</i>). <i>Molecular Ecology</i> , 2009, 18, 4193-4205.	3.9	118
13	Low worldwide genetic diversity in the basking shark (<i>Cetorhinus maximus</i>). <i>Biology Letters</i> , 2006, 2, 639-642.	2.3	116
14	Low worldwide genetic diversity in the killer whale (<i>Orcinus orca</i>): implications for demographic history. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1467-1473.	2.6	108
15	The foraging specializations of individual minke whales. <i>Animal Behaviour</i> , 1989, 38, 786-794.	1.9	107
16	Molecular Population Genetics of the Southern Elephant Seal <i>Mirounga leonina</i> . <i>Genetics</i> , 1998, 149, 1945-1957.	2.9	104
17	Impact of population bottlenecks on genetic variation and the importance of life-history; a case study of the northern elephant seal. <i>Biological Journal of the Linnean Society</i> , 1999, 68, 23-39.	1.6	103
18	Comparative evaluation of potential indicators and temporal sampling protocols for monitoring genetic erosion. <i>Evolutionary Applications</i> , 2014, 7, 984-998.	3.1	102

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19	Rapid Response of a Marine Mammal Species to Holocene Climate and Habitat Change. <i>PLoS Genetics</i> , 2009, 5, e1000554.	3.5	92
20	Divergent evolutionary processes associated with colonization of offshore islands. <i>Molecular Ecology</i> , 2013, 22, 5205-5220.	3.9	92
21	Extreme polygyny among southern elephant seals on Sea Lion Island, Falkland Islands. <i>Behavioral Ecology</i> , 2004, 15, 961-969.	2.2	88
22	Recent Diversification of a Marine Genus (<i>Tursiops</i> spp.) Tracks Habitat Preference and Environmental Change. <i>Systematic Biology</i> , 2013, 62, 865-877.	5.6	84
23	Killer whales are capable of vocal learning. <i>Biology Letters</i> , 2006, 2, 509-512.	2.3	73
24	Faunal histories from Holocene ancient DNA. <i>Trends in Ecology and Evolution</i> , 2011, 26, 405-413.	8.7	72
25	Generation of VNTRs and heteroplasmy by sequence turnover in the mitochondrial control region of two elephant seal species. <i>Journal of Molecular Evolution</i> , 1993, 37, 190-197.	1.8	71
26	Social kin associations and genetic structuring of striped dolphin populations (<i>Stenella</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,462 Td (co	3.9	70
27	Does Presence of a Mid-Ocean Ridge Enhance Biomass and Biodiversity?. <i>PLoS ONE</i> , 2013, 8, e61550.	2.5	68
28	Conservation genetics of the short-beaked common dolphin (<i>Delphinus delphis</i>) in the Mediterranean Sea and in the eastern North Atlantic Ocean. <i>Conservation Genetics</i> , 2008, 9, 1479-1487.	1.5	59
29	Local selection and population structure in a deep-sea fish, the roundnose grenadier (<i>Coryphaenoides</i>) Tj ETQq1 1 0.784314 rgBT /Overl	3.9	57
30	Genetic and morphometric differentiation between island and mainland southern elephant seal populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 325-332.	2.6	54
31	Bathymetric barriers promoting genetic structure in the deepwater demersal fish tusk (<i>Brosme) Tj ETQq1 1 0.784314 rgBT /Overl	3.9	54
32	Long-Range Paternal Gene Flow in the Southern Elephant Seal. <i>Science</i> , 2003, 299, 676-676.	12.6	52
33	Contrasting population genetic structure among freshwater–resident and anadromous lampreys: the role of demographic history, differential dispersal and anthropogenic barriers to movement. <i>Molecular Ecology</i> , 2015, 24, 1188-1204.	3.9	52
34	Unexpected panmixia in a long–lived, deep–sea fish with well–defined spawning habitat and relatively low fecundity. <i>Molecular Ecology</i> , 2009, 18, 2563-2573.	3.9	51
35	Population genetic structure in the North Atlantic Greenland halibut (<i>Reinhardtius) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 10	1.4	49
36	Population genomics of the killer whale indicates ecotype evolution in sympatry involving both selection and drift. <i>Molecular Ecology</i> , 2014, 23, 5179-5192.	3.9	48

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37	Population structure of bottlenose dolphins (<i>Tursiops aduncus</i>) impacted by bycatch along the east coast of South Africa. <i>Conservation Genetics</i> , 2008, 9, 627-636.	1.5	47
38	Conservation of adaptive potential and functional diversity. <i>Conservation Genetics</i> , 2019, 20, 1-5.	1.5	46
39	Genomics of habitat choice and adaptive evolution in a deep-sea fish. <i>Nature Ecology and Evolution</i> , 2018, 2, 680-687.	7.8	41
40	Dietary Differentiation and the Evolution of Population Genetic Structure in a Highly Mobile Carnivore. <i>PLoS ONE</i> , 2012, 7, e39341.	2.5	40
41	Phylogenomics of the genus <i>Tursiops</i> and closely related Delphininae reveals extensive reticulation among lineages and provides inference about eco-evolutionary drivers. <i>Molecular Phylogenetics and Evolution</i> , 2020, 146, 106756.	2.7	40
42	New evidence for the establishment and management of the European fallow deer (<i>Dama dama dama</i>) in Roman Britain. <i>Journal of Archaeological Science</i> , 2011, 38, 156-165.	2.4	38
43	Adaptive Evolution of Deep-Sea Amphipods from the Superfamily Lysiassanoidea in the North Atlantic. <i>Evolutionary Biology</i> , 2014, 41, 154-165.	1.1	38
44	Evolution by DNA turnover in the control region of vertebrate mitochondrial DNA. <i>Current Opinion in Genetics and Development</i> , 1993, 3, 891-895.	3.3	35
45	Genetic isolation of a now extinct population of bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1611-1616.	2.6	34
46	Delphinid systematics and biogeography with a focus on the current genus <i>Lagenorhynchus</i> : Multiple pathways for antitropical and trans-oceanic radiation. <i>Molecular Phylogenetics and Evolution</i> , 2014, 80, 217-230.	2.7	34
47	Risso's dolphins (<i>Grampus griseus</i>) in UK waters are differentiated from a population in the Mediterranean Sea and genetically less diverse. <i>Conservation Genetics</i> , 2007, 8, 727-732.	1.5	32
48	Conservation Genetic Resources for Effective Species Survival (ConGRESS): Bridging the divide between conservation research and practice. <i>Journal for Nature Conservation</i> , 2013, 21, 433-437.	1.8	32
49	DNA fingerprinting and 'scientific' whaling. <i>Nature</i> , 1988, 333, 305-305.	27.8	31
50	Applications of molecular genetic techniques to the conservation of small populations. <i>Biological Conservation</i> , 1992, 61, 133-144.	4.1	31
51	Kinship of long-term associates in the highly social sperm whale. <i>Molecular Ecology</i> , 2012, 21, 732-744.	3.9	30
52	The ecosystem of the Mid-Atlantic Ridge at the sub-polar front and Charlie's Gibbs Fracture Zone; ECO-MAR project strategy and description of the sampling programme 2007-2010. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 98, 220-230.	1.4	26
53	Patterns of Population Structure for Inshore Bottlenose Dolphins along the Eastern United States. <i>Journal of Heredity</i> , 2013, 104, 765-778.	2.4	26
54	Depth as a driver of evolution in the deep sea: Insights from grenadiers (Gadiformes: Macrouridae) of the genus <i>Coryphaenoides</i> . <i>Molecular Phylogenetics and Evolution</i> , 2016, 104, 73-82.	2.7	26

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55	Relatedness and site fidelity at the southern elephant seal, <i>Mirounga leonina</i> , breeding colony in the Falkland Islands. <i>Animal Behaviour</i> , 2006, 72, 617-626.	1.9	25
56	Temporal and Contextual Patterns of Killer Whale (<i>Orcinus orca</i>) Call Type Production. <i>Ethology</i> , 2008, 114, 599-606.	1.1	25
57	Ancient female philopatry, asymmetric male gene flow, and synchronous population expansion support the influence of climatic oscillations on the evolution of South American sea lion (<i>Otaria</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	2.4	20
58	Balancing and Directional Selection at Exon-2 of the MHC DQB1 Locus among Populations of Odontocete Cetaceans. <i>Molecular Biology and Evolution</i> , 2008, 26, 681-689.	8.9	22
59	Wild to domestic and back again: the dynamics of fallow deer management in medieval England (c.) Tj ETQq1 1 0.784314 rgBT /Overloc 2016, 2, 113-126.	2.4	22
60	Evolution of population genetic structure in marine mammal species. , 2001, , 294-318.		21
61	Looking backwards to look forwards: conservation genetics in a changing world. <i>Conservation Genetics</i> , 2010, 11, 655-660.	1.5	20
62	Kinship and association in a highly social apex predator population, killer whales at Marion Island. <i>Behavioral Ecology</i> , 2017, 28, 750-759.	2.2	20
63	Genetic diversity of bottlenose dolphin (<i>Tursiops</i> sp.) populations in the western North Pacific and the conservation implications. <i>Marine Biology</i> , 2017, 164, 202.	1.5	18
64	Biogeography and temporal progression during the evolution of striped dolphin population structure in European waters. <i>Journal of Biogeography</i> , 2017, 44, 2681-2691.	3.0	13
65	Demography and adaptation promoting evolutionary transitions in a mammalian genus that diversified during the Pleistocene. <i>Molecular Ecology</i> , 2020, 29, 2777-2792.	3.9	13
66	Concordance between genetic diversity and marine biogeography in a highly mobile marine mammal, the Risso's dolphin. <i>Journal of Biogeography</i> , 2018, 45, 2092-2103.	3.0	11
67	Rapid increase in southern elephant seal genetic diversity after a founder event. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133078.	2.6	10
68	The impact of population bottlenecks on fluctuating asymmetry and morphological variance in two separate populations of reindeer on the island of South Georgia. <i>Biological Journal of the Linnean Society</i> , 2011, 102, 798-811.	1.6	9
69	SNP discovery in nonmodel organisms: strand bias and base substitution errors reduce conversion rates. <i>Molecular Ecology Resources</i> , 2015, 15, 723-736.	4.8	9
70	Both introduced and extinct: The fallow deer of Roman Mallorca. <i>Journal of Archaeological Science: Reports</i> , 2016, 9, 168-177.	0.5	9
71	Genomic data suggest environmental drivers of fish population structure in the deep sea: A case study for the orange roughy (<i>Hoplostethus atlanticus</i>). <i>Journal of Applied Ecology</i> , 2020, 57, 296-306.	4.0	9
72	From Icon of Empire to National Emblem: New Evidence for the Fallow Deer of Barbuda. <i>Environmental Archaeology</i> , 2018, 23, 47-55.	1.2	8

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73	Mummified and skeletal southern elephant seals (<i>Mirounga leonina</i>) from the Victoria Land Coast, Ross Sea, Antarctica. <i>Marine Mammal Science</i> , 2019, 35, 934-956.	1.8	8
74	Impact on Reindeer (<i>Rangifer tarandus</i>) Genetic Diversity from Two Parallel Population Bottlenecks Founded from a Common Source. <i>Evolutionary Biology</i> , 2014, 41, 240-250.	1.1	7
75	Sex-specific impact of inbreeding on pathogen load in the striped dolphin. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200195.	2.6	7
76	Genomic signatures of divergent selection are associated with social behaviour for spinner dolphin ecotypes. <i>Molecular Ecology</i> , 2021, 30, 1993-2008.	3.9	6
77	A PATERNITY TEST CASE FOR THE KILLER WHALE (<i>ORCINUS ORCA</i>) BY DNA FINGERPRINTING. <i>Marine Mammal Science</i> , 1991, 7, 35-43.	1.8	5
78	Isolation and characterization of microsatellite loci in the deep-sea marine fish, the roundnose grenadier (<i>Coryphaenoides rupestris</i>). <i>Molecular Ecology Resources</i> , 2008, 8, 993-995.	4.8	5
79	Isolation and characterization of microsatellite loci in a marine fish species, the tusk (Brosme) Tj ETQq1 1 0.784314 r/gBT /Overlock 10 T	1.7	4
80	Nine new microsatellite loci for the orange roughy (<i>Hoplostethus atlanticus</i>). <i>Conservation Genetics</i> , 2009, 10, 601-603.	1.5	4
81	The road to speciation runs both ways. <i>Science</i> , 2016, 354, 414-415.	12.6	4
82	Improved resolution of (CAC) _n DNA fingerprints. <i>Nucleic Acids Research</i> , 1994, 22, 1315-1315.	14.5	3
83	Nineteen new microsatellite loci for the blue hake (<i>Antimora rostrata</i>). <i>Conservation Genetics Resources</i> , 2010, 2, 249-251.	0.8	3
84	Comparative biogeography and the evolution of population structure for bottlenose and common dolphins in the Indian Ocean. <i>Journal of Biogeography</i> , 2021, 48, 1654-1668.	3.0	3
85	Evolution of Functional Genes in Cetaceans Driven by Natural Selection on a Phylogenetic and Population Level. <i>Evolutionary Biology</i> , 2013, 40, 341-354.	1.1	2
86	Population structure associated with bioregion and seasonal prey distribution for Indo-Pacific bottlenose dolphins (<i>Tursiops aduncus</i>) in South Africa. <i>Molecular Ecology</i> , 2021, 30, 4642-4659.	3.9	2
87	A Romani mitochondrial haplotype in England 500 years before their recorded arrival in Britain. <i>Biology Letters</i> , 2005, 1, 280-282.	2.3	1
88	<i>Molecular Ecology</i> , 2009, , 736-741.		1
89	<i>Molecular Ecology</i> , 2018, , 613-618.		1
90	<i>Conservation Genetics</i> , 2013, , 263-277.		0