

# A Rus Hoelzel

## List of Publications by Year in descending order

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90  
papers

4,653  
citations

87888

38  
h-index

106344

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

#	ARTICLE	IF	CITATIONS
19	Rapid Response of a Marine Mammal Species to Holocene Climate and Habitat Change. PLoS Genetics, 2009, 5, e1000554.	3.5	92
20	Divergent evolutionary processes associated with colonization of offshore islands. Molecular Ecology, 2013, 22, 5205-5220.	3.9	92
21	Extreme polygyny among southern elephant seals on Sea Lion Island, Falkland Islands. Behavioral Ecology, 2004, 15, 961-969.	2.2	88
22	Recent Diversification of a Marine Genus (Tursiops spp.) Tracks Habitat Preference and Environmental Change. Systematic Biology, 2013, 62, 865-877.	5.6	84
23	Killer whales are capable of vocal learning. Biology Letters, 2006, 2, 509-512.	2.3	73
24	Faunal histories from Holocene ancient DNA. Trends in Ecology and Evolution, 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. Journal of Molecular Evolution, 1993, 37, 190-197.	1.8	71
26	Social kin associations and genetic structuring of striped dolphin populations (Stenella) 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?. PLoS ONE, 2013, 8, e61550.	2.5	68
28	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
29	Local selection and population structure in a deep-sea fish, the roundnose grenadier (Coryphaenoides) Tj ETQq1 1 0.784314 rgBT /Overl	3.9	57
30	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
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. Science, 2003, 299, 676-676.	12.6	52
33	Contrasting population genetic structure among freshwater&residant and anadromous lampreys: the role of demographic history, differential dispersal and anthropogenic barriers to movement. Molecular Ecology, 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. Molecular Ecology, 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. Molecular Ecology, 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> ). <i>Tj ETQq1 1 0.784314 rgBT /Overloc</i>	2.4	22
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. 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 <sub>g</sub> BT /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) <sub>n</sub> 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