

Michael KrÃ¼tzen

List of Publications by Year in descending order

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96
papers

6,068
citations

76326

40
h-index

76900

74
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97
all docs

97
docs citations

97
times ranked

5490
citing authors

#	ARTICLE	IF	CITATIONS
1	Decline in Relative Abundance of Bottlenose Dolphins Exposed to Long-Term Disturbance. <i>Conservation Biology</i> , 2006, 20, 1791-1798.	4.7	515
2	Genomics and the challenging translation into conservation practice. <i>Trends in Ecology and Evolution</i> , 2015, 30, 78-87.	8.7	469
3	Cultural transmission of tool use in bottlenose dolphins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8939-8943.	7.1	437
4	A BIOPSY SYSTEM FOR SMALL CETACEANS: DARTING SUCCESS AND WOUND HEALING IN TURSIOPS SPP.. <i>Marine Mammal Science</i> , 2002, 18, 863-878.	1.8	228
5	Social and genetic interactions drive fitness variation in a free-living dolphin population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19949-19954.	7.1	194
6	Morphometric, Behavioral, and Genomic Evidence for a New Orangutan Species. <i>Current Biology</i> , 2017, 27, 3487-3498.e10.	3.9	192
7	Male dolphin alliances in Shark Bay: changing perspectives in a 30-year study. <i>Animal Behaviour</i> , 2015, 103, 223-235.	1.9	140
8	Specialization and development of beach hunting, a rare foraging behavior, by wild bottlenose dolphins (<i>Tursiops</i> sp.). <i>Canadian Journal of Zoology</i> , 2005, 83, 1400-1410.	1.0	137
9	Effects of Pleistocene glaciations and rivers on the population structure of Bornean orangutans (<i>Pongo</i> sp.). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21376-21381.	7.1	136
10	Sex-Biased Dispersal and Volcanic Activities Shaped Phylogeographic Patterns of Extant Orangutans (genus: <i>Pongo</i>). <i>Molecular Biology and Evolution</i> , 2011, 28, 2275-2288.	8.9	129
11	Alliance membership and kinship in wild male bottlenose dolphins (<i>Tursiops aduncus</i>) of southeastern Australia. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1941-1947.	2.6	126
12	POPULATION STRUCTURE IN AN INSHORE CETACEAN REVEALED BY MICROSATELLITE AND mtDNA ANALYSIS: BOTTLENOSE DOLPHINS (<i>TURSIOPS</i> SP.) IN SHARK BAY, WESTERN AUSTRALIA. <i>Marine Mammal Science</i> , 2004, 20, 28-47.	1.8	122
13	Contrasting relatedness patterns in bottlenose dolphins (<i>Tursiops</i> sp.) with different alliance strategies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 497-502.	2.6	116
14	Who's the father: where art thou? Paternity assessment in an open fission-fusion society of wild bottlenose dolphins (<i>Tursiops</i> sp.) in Shark Bay, Western Australia. <i>Molecular Ecology</i> , 2004, 13, 1975-1990.	3.9	115
15	Heavily male-biased long-distance dispersal of orangutans (genus: <i>Pongo</i>), as revealed by Y-chromosomal and mitochondrial genetic markers. <i>Molecular Ecology</i> , 2012, 21, 3173-3186.	3.9	110
16	Home range overlap, matrilineal and biparental kinship drive female associations in bottlenose dolphins. <i>Animal Behaviour</i> , 2010, 80, 481-486.	1.9	106
17	Marked Population Structure and Recent Migration in the Critically Endangered Sumatran Orangutan (<i>Pongo abelii</i>). <i>Journal of Heredity</i> , 2013, 104, 2-13.	2.4	95
18	Characterization of microsatellite loci in <i>Tursiops aduncus</i> . <i>Molecular Ecology Notes</i> , 2001, 1, 170-172.	1.7	93

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19	Culture and Geographic Variation in Orangutan Behavior. <i>Current Biology</i> , 2011, 21, 1808-1812.	3.9	93
20	Female philopatry and its social benefits among Bornean orangutans. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 823-834.	1.4	90
21	The relative importance of reproduction and survival for the conservation of two dolphin populations. <i>Ecology and Evolution</i> , 2016, 6, 3496-3512.	1.9	86
22	Multilevel Organisation of Animal Sociality. <i>Trends in Ecology and Evolution</i> , 2020, 35, 834-847.	8.7	84
23	Dispersal Patterns of Orang-utans (<i>Pongo</i> spp.) in a Bornean Peat-swamp Forest. <i>International Journal of Primatology</i> , 2011, 32, 362-376.	1.9	81
24	Mitogenomic phylogenetic analyses of the Delphinidae with an emphasis on the Globicephalinae. <i>BMC Evolutionary Biology</i> , 2011, 11, 65.	3.2	76
25	Generation of SNP datasets for orangutan population genomics using improved reduced-representation sequencing and direct comparisons of SNP calling algorithms. <i>BMC Genomics</i> , 2014, 15, 16.	2.8	72
26	Call Cultures in Orang-Utans?. <i>PLoS ONE</i> , 2012, 7, e36180.	2.5	71
27	Cultural transmission of tool use combined with habitat specializations leads to fine-scale genetic structure in bottlenose dolphins. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133245.	2.6	70
28	Apparent resource partitioning and trophic structure of large-bodied marine predators in a relatively pristine seagrass ecosystem. <i>Marine Ecology - Progress Series</i> , 2013, 481, 225-237.	1.9	69
29	Tandem repeat variation in human and great ape populations and its impact on gene expression divergence. <i>Genome Research</i> , 2015, 25, 1591-1599.	5.5	69
30	Long-term decline in survival and reproduction of dolphins following a marine heatwave. <i>Current Biology</i> , 2019, 29, R239-R240.	3.9	68
31	Effective Population Size Dynamics and the Demographic Collapse of Bornean Orang-Utans. <i>PLoS ONE</i> , 2012, 7, e49429.	2.5	67
32	Integrating multiple lines of evidence to better understand the evolutionary divergence of humpback dolphins along their entire distribution range: a new dolphin species in Australian waters?. <i>Molecular Ecology</i> , 2013, 22, 5936-5948.	3.9	67
33	Guidelines and quantitative standards to improve consistency in cetacean subspecies and species delimitation relying on molecular genetic data. <i>Marine Mammal Science</i> , 2017, 33, 132-155.	1.8	65
34	Similarity in Food Cleaning Techniques within Matrilineal Wild Vervet Monkeys. <i>PLoS ONE</i> , 2012, 7, e35694.	2.5	63
35	Abundance, survival and temporary emigration of bottlenose dolphins (<i>Tursiops</i> sp.) off Useless Loop in the western gulf of Shark Bay, Western Australia. <i>Marine and Freshwater Research</i> , 2012, 63, 1059.	1.3	61
36	A new level of complexity in the male alliance networks of Indian Ocean bottlenose dolphins (<i>Tursiops aduncus</i>). <i>Evolutionary Ecology</i> , 2010, 24, 101-110.	2.3	60

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37	Molecular characterization of <i>Treponema pallidum</i> subsp. <i>pallidum</i> in Switzerland and France with a new multilocus sequence typing scheme. <i>PLoS ONE</i> , 2018, 13, e0200773.	2.5	55
38	Parentage-based pedigree reconstruction reveals female matrilineal clusters and male-biased dispersal in nongregarious Asian great apes, the Bornean orangutans (<i>Pongo pygmaeus</i>). <i>Molecular Ecology</i> , 2012, 21, 3352-3362.	3.9	51
39	A novel mammalian social structure in Indo-Pacific bottlenose dolphins (<i>Tursiops</i> sp.): complex male alliances in an open social network. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3083-3090.	2.6	50
40	Cultural transmission of tool use by Indo-Pacific bottlenose dolphins (<i>Tursiops</i> sp.) provides access to a novel foraging niche. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140374.	2.6	48
41	Payoff- and Sex-Biased Social Learning Interact in a Wild Primate Population. <i>Current Biology</i> , 2018, 28, 2800-2805.e4.	3.9	46
42	Affiliation history and age similarity predict alliance formation in adult male bottlenose dolphins. <i>Behavioral Ecology</i> , 2020, 31, 361-370.	2.2	45
43	Inbreeding tolerance and fitness costs in wild bottlenose dolphins. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2667-2673.	2.6	40
44	Evidence that the rate of strong selective sweeps increases with population size in the great apes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1613-1618.	7.1	40
45	Genetic isolation between coastal and fishery-impacted, offshore bottlenose dolphin (<i>Tursiops</i>) Tj ETQq1 1,0784314 rgBT /C	3.9	36
46	Multi-network-based diffusion analysis reveals vertical cultural transmission of sponge tool use within dolphin matriline. <i>Biology Letters</i> , 2019, 15, 20190227.	2.3	36
47	The animal cultures debate: response to Laland and Janik. <i>Trends in Ecology and Evolution</i> , 2007, 22, 6-6.	8.7	35
48	Why do Indo-Pacific bottlenose dolphins (<i>Tursiops</i> sp.) carry conch shells (<i>Turbinella</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	35
49	Male alliance behaviour and mating access varies with habitat in a dolphin social network. <i>Scientific Reports</i> , 2017, 7, 46354.	3.3	35
50	Reconstructing the demographic history of orangutans using Approximate Bayesian Computation. <i>Molecular Ecology</i> , 2015, 24, 310-327.	3.9	32
51	Bottlenose Dolphins Retain Individual Vocal Labels in Multi-level Alliances. <i>Current Biology</i> , 2018, 28, 1993-1999.e3.	3.9	32
52	New polymorphic tetranucleotide microsatellites improve scoring accuracy in the bottlenose dolphin <i>Tursiops aduncus</i> . <i>Molecular Ecology Resources</i> , 2009, 9, 531-534.	4.8	31
53	Genes or Culture: Are Mitochondrial Genes Associated with Tool Use in Bottlenose Dolphins (<i>Tursiops</i> sp.)?. <i>Behavior Genetics</i> , 2010, 40, 706-714.	2.1	31
54	Low genetic diversity, limited gene flow and widespread genetic bottleneck effects in a threatened dolphin species, the Australian humpback dolphin. <i>Biological Conservation</i> , 2018, 220, 192-200.	4.1	31

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55	Cooperation-based concept formation in male bottlenose dolphins. <i>Nature Communications</i> , 2021, 12, 2373.	12.8	31
56	Variation in developmental arrest among male orangutans: a comparison between a Sumatran and a Bornean population. <i>Frontiers in Zoology</i> , 2013, 10, 12.	2.0	29
57	Integrating Genetic, Environmental, and Social Networks to Reveal Transmission Pathways of a Dolphin Foraging Innovation. <i>Current Biology</i> , 2020, 30, 3024-3030.e4.	3.9	28
58	Evolution and demography of the great apes. <i>Current Opinion in Genetics and Development</i> , 2016, 41, 124-129.	3.3	27
59	FOXP2 variation in great ape populations offers insight into the evolution of communication skills. <i>Scientific Reports</i> , 2017, 7, 16866.	3.3	27
60	The quest for Y-chromosomal markers – methodological strategies for mammalian non-model organisms. <i>Molecular Ecology Resources</i> , 2010, 10, 409-420.	4.8	26
61	Vocal behaviour of allied male dolphins during cooperative mate guarding. <i>Animal Cognition</i> , 2019, 22, 991-1000.	1.8	25
62	Reply to Garner et al.. <i>Trends in Ecology and Evolution</i> , 2016, 31, 83-84.	8.7	24
63	Ecological characteristics contribute to sponge distribution and tool use in bottlenose dolphins <i>Tursiops sp.</i> . <i>Marine Ecology - Progress Series</i> , 2012, 444, 143-153.	1.9	22
64	A Full-Capture Hierarchical Bayesian Model of Pollock's Closed Robust Design and Application to Dolphins. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	20
65	Is MHC diversity a better marker for conservation than neutral genetic diversity? A case study of two contrasting dolphin populations. <i>Ecology and Evolution</i> , 2019, 9, 6986-6998.	1.9	20
66	Allied male dolphins use vocal exchanges to “bond at a distance”. <i>Current Biology</i> , 2022, 32, 1657-1663.e4.	3.9	20
67	Social integration influences fitness in allied male dolphins. <i>Current Biology</i> , 2022, 32, 1664-1669.e3.	3.9	20
68	Demographic collapse and low genetic diversity of the Irrawaddy dolphin population inhabiting the Mekong River. <i>PLoS ONE</i> , 2018, 13, e0189200.	2.5	19
69	Genomes reveal marked differences in the adaptive evolution between orangutan species. <i>Genome Biology</i> , 2018, 19, 193.	8.8	18
70	Cooperative partner choice in multi-level male dolphin alliances. <i>Scientific Reports</i> , 2021, 11, 6901.	3.3	18
71	Acoustic coordination by allied male dolphins in a cooperative context. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192944.	2.6	16
72	Genetic variation and population decline of an endangered hoverfly <i>Blera fallax</i> (Diptera: Syrphidae). <i>Conservation Genetics</i> , 2012, 13, 1283-1291.	1.5	13

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73	Characterizing the socially transmitted foraging tactic "sponging" by bottlenose dolphins (<i>Tursiops</i> sp.) in the western gulf of Shark Bay, Western Australia. <i>Marine Mammal Science</i> , 2014, 30, 847-863.	1.8	13
74	Cranial morphology and taxonomic resolution of some dolphin taxa (Delphinidae) in Australian waters, with a focus on the genus <i>Tursiops</i> . <i>Marine Mammal Science</i> , 2017, 33, 187-205.	1.8	11
75	Tool use and social homophily among male bottlenose dolphins. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190898.	2.6	11
76	Could Relatedness Help Explain Why Individuals Lead in Bottlenose Dolphin Groups?. <i>PLoS ONE</i> , 2013, 8, e58162.	2.5	11
77	Taxonomy and distribution of bottlenose dolphins (genus <i>Tursiops</i>) in Australian waters: an osteological clarification. <i>Canadian Journal of Zoology</i> , 2020, 98, 461-479.	1.0	10
78	When dispersal fails: unexpected genetic separation in Gibraltar macaques (<i>Macaca sylvanus</i>). <i>Molecular Ecology</i> , 2008, 17, 4027-4038.	3.9	9
79	A multiplex-system to target 16 male-specific and 15 autosomal genetic markers for orang-utans (genus: <i>Pongo</i>). <i>Molecular Ecology Resources</i> , 2010, 10, 107-114.	1.07843	9
80	An integrated data management and video system for sampling aquatic benthos. <i>Marine and Freshwater Research</i> , 2010, 61, 1023.	1.3	9
81	Male aggression varies with consortship rate and habitat in a dolphin social network. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	9
82	Development of polymorphic microsatellite markers for the livebearing fish <i>Poecilia parae</i> . <i>Molecular Ecology Resources</i> , 2008, 8, 857-860.	4.8	8
83	Postdispersal nepotism in male long-tailed macaques (<i>Macaca fascicularis</i>). <i>Ecology and Evolution</i> , 2016, 6, 46-55.	1.9	8
84	SONiCS: PCR stutter noise correction in genome-scale microsatellites. <i>Bioinformatics</i> , 2018, 34, 4115-4117.	4.1	6
85	Inconsistency Between Socio-Spatial and Genetic Structure in a Coastal Dolphin Population. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	6
86	Determinants of Paternity Success in a Group of Captive Vervet Monkeys (<i>Chlorocebus aethiops</i>). <i>Overlook</i> , 2021, 10, 50-55.	1.9	5
87	Polymorphic microsatellite loci for the endangered pine hoverfly <i>Blera fallax</i> (Diptera: Syrphidae). <i>Conservation Genetics Resources</i> , 2012, 4, 117-120.	0.8	3
88	Female vervet monkeys fine-tune decisions on tolerance versus conflict in a communication network. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171922.	2.6	3
89	Genomics of Population Differentiation in Humpback Dolphins, <i>Sousa</i> spp. in the Indo-Pacific Ocean. <i>Journal of Heredity</i> , 2020, 111, 652-660.	2.4	3
90	On Multifaceted Definitions of Multilevel Societies: Response to Papageorgiou and Farine. <i>Trends in Ecology and Evolution</i> , 2021, 36, 17-19.	8.7	3

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91	Identification of Diagnostic Mitochondrial DNA Single Nucleotide Polymorphisms Specific to Sumatran Orangutan (<i>Pongo abelii</i>) Populations. HAYATI Journal of Biosciences, 2015, 22, 149-156.	0.4	2
92	A cultured debate. Trends in Ecology and Evolution, 2009, 24, 530-531.	8.7	1
93	Development of polymorphic microsatellite markers for the dung fly (<i>Sepsis cynipsea</i>). Molecular Ecology Resources, 2009, 9, 1554-1556.	4.8	1
94	Nature and nurture. Communicative and Integrative Biology, 2011, 4, 192-193.	1.4	1
95	Conservation issues arising from maladaptive behaviours spreading socially. Animal Conservation, 2012, 15, 440-441.	2.9	1
96	Short Tandem Repeats as a High-Resolution Marker for Capturing Recent Orangutan Population Evolution. Frontiers in Bioinformatics, 2021, 1, .	2.1	1