

P. J. Nico de Bruyn

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6757122/publications.pdf>

Version: 2024-02-01

114
papers

3,444
citations

236925

25
h-index

168389

53
g-index

116
all docs

116
docs citations

116
times ranked

4732
citing authors

#	ARTICLE	IF	CITATIONS
1	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. <i>Science</i> , 2018, 359, 466-469.	12.6	783
2	Translating Marine Animal Tracking Data into Conservation Policy and Management. <i>Trends in Ecology and Evolution</i> , 2019, 34, 459-473.	8.7	256
3	Tracking of marine predators to protect Southern Ocean ecosystems. <i>Nature</i> , 2020, 580, 87-92.	27.8	156
4	Animal-Borne Telemetry: An Integral Component of the Ocean Observing Toolkit. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	127
5	Marine Mammals Exploring the Oceans Pole to Pole: A Review of the MEOP Consortium. <i>Oceanography</i> , 2017, 30, 132-138.	1.0	123
6	Pinniped entanglement in oceanic plastic pollution: A global review. <i>Marine Pollution Bulletin</i> , 2019, 145, 295-305.	5.0	101
7	A lifetime at depth: vertical distribution of southern elephant seals in the water column. <i>Polar Biology</i> , 2010, 33, 1037-1048.	1.2	87
8	Killer whale ecotypes: is there a global model?. <i>Biological Reviews</i> , 2013, 88, 62-80.	10.4	87
9	Habitat modelling of tracking data from multiple marine predators identifies important areas in the Southern Indian Ocean. <i>Diversity and Distributions</i> , 2018, 24, 535-550.	4.1	82
10	Killer Whale Nuclear Genome and mtDNA Reveal Widespread Population Bottleneck during the Last Glacial Maximum. <i>Molecular Biology and Evolution</i> , 2014, 31, 1121-1131.	8.9	61
11	Regional differences in plastic ingestion among Southern Ocean fur seals and albatrosses. <i>Marine Pollution Bulletin</i> , 2016, 104, 207-210.	5.0	55
12	Sex at sea: alternative mating system in an extremely polygynous mammal. <i>Animal Behaviour</i> , 2011, 82, 445-451.	1.9	52
13	Movement and diving of killer whales (<i>Orcinus orca</i>) at a Southern Ocean archipelago. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 473, 90-102.	1.5	51
14	How to weigh an elephant seal with one finger: a simple three-dimensional photogrammetric application. <i>Aquatic Biology</i> , 2009, 5, 31-39.	1.4	49
15	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
16	Phylogenomics of the killer whale indicates ecotype divergence in sympatry. <i>Heredity</i> , 2015, 114, 48-55.	2.6	47
17	Population dynamics of southern elephant seals: a synthesis of three decades of demographic research at Marion Island. <i>African Journal of Marine Science</i> , 2011, 33, 523-534.	1.1	46
18	Refining instrument attachment on phocid seals. <i>Marine Mammal Science</i> , 2012, 28, E325.	1.8	42

#	ARTICLE	IF	CITATIONS
19	Bathymetry and frontal system interactions influence seasonal foraging movements of lactating subantarctic fur seals from Marion Island. <i>Marine Ecology - Progress Series</i> , 2009, 394, 263-276.	1.9	42
20	Cohort and tag-site-specific tag-loss rates in mark-recapture studies: A southern elephant seal cautionary case. <i>Marine Mammal Science</i> , 2010, 26, 350-369.	1.8	35
21	Slow to change? Individual fidelity to three-dimensional foraging habitats in southern elephant seals, <i>Mirounga leonina</i> . <i>Animal Behaviour</i> , 2017, 127, 91-99.	1.9	34
22	Fasting affects amino acid nitrogen isotope values: a new tool for identifying nitrogen balance of free-ranging mammals. <i>Oecologia</i> , 2020, 193, 53-65.	2.0	34
23	Winter habitat predictions of a key Southern Ocean predator, the Antarctic fur seal (<i>Arctocephalus</i>) Tj ETQq1 1 0.784314 rgBT /Overl	1.4	32
24	Temporary marking of unweaned southern elephant seal (<i>Mirounga leonina</i> L.) pups. <i>South African Journal of Wildlife Research</i> , 2008, 38, 133-137.	1.4	31
25	Prey and seasonal abundance of killer whales at sub-Antarctic Marion Island. <i>African Journal of Marine Science</i> , 2011, 33, 99-105.	1.1	31
26	Decomposing the variance in southern elephant seal weaning mass: partitioning environmental signals and maternal effects. <i>Ecosphere</i> , 2015, 6, art139.	2.2	28
27	The retrospective analysis of Antarctic tracking data project. <i>Scientific Data</i> , 2020, 7, 94.	5.3	27
28	Predatory impact of killer whales on pinniped and penguin populations at the Subantarctic Prince Edward Islands: fact and fiction. <i>Journal of Zoology</i> , 2011, 285, 1-10.	1.7	26
29	The Marine Mammal Programme at the Prince Edward Islands: 38 years of research. <i>African Journal of Marine Science</i> , 2011, 33, 511-521.	1.1	26
30	Abundance estimates of killer whales at Subantarctic Marion Island. <i>Aquatic Biology</i> , 2011, 12, 177-185.	1.4	26
31	Median pupping date, pup mortality and sex ratio of fur seals at Marion Island. <i>South African Journal of Wildlife Research</i> , 2007, 37, 1-8.	1.4	25
32	At-sea behaviour of three krill predators breeding at Bouvet's Antarctic fur seals, macaroni penguins and chinstrap penguins. <i>Marine Ecology - Progress Series</i> , 2013, 477, 285-302.	1.9	25
33	Trend changes in sympatric Subantarctic and Antarctic fur seal pup populations at Marion Island, Southern Ocean. <i>Marine Mammal Science</i> , 2016, 32, 960-982.	1.8	25
34	Leucistic Antarctic fur seal <i>Arctocephalus gazella</i> at Marion Island. <i>Polar Biology</i> , 2007, 30, 1355-1358.	1.2	23
35	Long-range migration of a chinstrap penguin from Bouvet's to Montagu Island, South Sandwich Islands. <i>Antarctic Science</i> , 2010, 22, 157-162.	0.9	23
36	Vibrissal growth parameters of southern elephant seals <i>Mirounga leonina</i> : obtaining fine-scale, time-based stable isotope data. <i>Marine Ecology - Progress Series</i> , 2016, 559, 243-255.	1.9	23

#	ARTICLE	IF	CITATIONS
37	Low trophic level diet of juvenile southern elephant seals <i>Mirounga leonina</i> from Marion Island: a stable isotope investigation using vibrissal regrowths. <i>Marine Ecology - Progress Series</i> , 2017, 577, 237-250.	1.9	22
38	Post-breeding at-sea movements of three central-place foragers in relation to submesoscale fronts in the Southern Ocean around Bouvet Åya. <i>Antarctic Science</i> , 2014, 26, 533-544.	0.9	21
39	The importance of seasonal sea surface height anomalies for foraging juvenile southern elephant seals. <i>Marine Biology</i> , 2015, 162, 2131-2140.	1.5	21
40	Phenotypic selection and covariation in the life-history traits of elephant seals: heavier offspring gain a double selective advantage. <i>Oikos</i> , 2018, 127, 875-889.	2.7	21
41	Cross-seasonal foraging site fidelity of subantarctic fur seals: implications for marine conservation areas. <i>Marine Ecology - Progress Series</i> , 2016, 554, 225-239.	1.9	21
42	Spatial variation in female southern elephant seal mass change assessed by an accurate non-invasive photogrammetry method. <i>Antarctic Science</i> , 2013, 25, 731-740.	0.9	20
43	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
44	Variation in the diet of killer whales <i>Orcinus orca</i> at Marion Island, Southern Ocean. <i>Marine Ecology - Progress Series</i> , 2016, 549, 263-274.	1.9	20
45	Sexual harassment of a king penguin by an Antarctic fur seal. <i>Journal of Ethology</i> , 2008, 26, 295-297.	0.8	19
46	Dispersal and dispersion of southern elephant seals in the Kerguelen province, Southern Ocean. <i>Antarctic Science</i> , 2011, 23, 567-577.	0.9	19
47	Individual heterogeneity in life-history trade-offs with age at first reproduction in capital breeding elephant seals. <i>Population Ecology</i> , 2019, 61, 421-435.	1.2	18
48	Satellite Tagging and Biopsy Sampling of Killer Whales at Subantarctic Marion Island: Effectiveness, Immediate Reactions and Long-Term Responses. <i>PLoS ONE</i> , 2014, 9, e111835.	2.5	18
49	Environmental influences on the at-sea behaviour of a major consumer, <i>Mirounga leonina</i> , in a rapidly changing environment. <i>Polar Research</i> , 2014, 33, 23808.	1.6	18
50	Age-related reproductive variation in a wild marine mammal population. <i>Polar Biology</i> , 2013, 36, 719-729.	1.2	17
51	Roan antelope <i>Hippotragus equinus</i> in Africa: a review of abundance, threats and ecology. <i>Mammal Review</i> , 2016, 46, 144-158.	4.8	16
52	Preliminary analysis of the social structure of killer whales, <i>Orcinus orca</i> , at subantarctic Marion Island. <i>Marine Mammal Science</i> , 2008, 24, 929-940.	1.8	15
53	Terrestrial mammal three-dimensional photogrammetry: multispecies mass estimation. <i>Ecosphere</i> , 2015, 6, 1-16.	2.2	15
54	Cephalopod diet of the Cape fur seal, <i>Arctocephalus pusillus pusillus</i> , along the Namibian coast: variation due to location. <i>African Zoology</i> , 2005, 40, 261-270.	0.4	14

#	ARTICLE	IF	CITATIONS
55	Managing for change: Using vertebrate at sea habitat use to direct management efforts. <i>Ecological Indicators</i> , 2018, 91, 338-349.	6.3	13
56	Trade-offs between age-related breeding improvement and survival senescence in highly polygynous elephant seals: Dominant males always do better. <i>Journal of Animal Ecology</i> , 2020, 89, 897-909.	2.8	13
57	The genetic legacy of extreme exploitation in a polar vertebrate. <i>Scientific Reports</i> , 2020, 10, 5089.	3.3	13
58	The importance of land-based prey for sympatrically breeding giant petrels at sub-Antarctic Marion Island. <i>Antarctic Science</i> , 2007, 19, 25-30.	0.9	12
59	What's in a whisker? High-throughput analysis of twenty-eight C19 and C21 steroids in mammalian whiskers by ultra-performance convergence chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1141, 122028.	2.3	12
60	Mass Mortality of Adult Male Subantarctic Fur Seals: Are Alien Mice the Culprits?. <i>PLoS ONE</i> , 2008, 3, e3757.	2.5	12
61	Leucistic southern elephant seal at Marion Island. <i>Polar Biology</i> , 2009, 32, 509-511.	1.2	11
62	A global cline in a colour polymorphism suggests a limited contribution of gene flow towards the recovery of a heavily exploited marine mammal. <i>Royal Society Open Science</i> , 2018, 5, 181227.	2.4	11
63	Overlap and temporal variation in the diets of sympatric Antarctic and Subantarctic fur seals (<i>Arctocephalus</i> spp.) at Marion Island, Prince Edward Islands. <i>Polar Research</i> , 2018, 37, 1451142.	1.6	11
64	Preferred, small-scale foraging areas of two Southern Ocean fur seal species are not determined by habitat characteristics. <i>BMC Ecology</i> , 2019, 19, 36.	3.0	11
65	Positive early-late life-history trait correlations in elephant seals. <i>Ecology</i> , 2021, 102, e03288.	3.2	11
66	Chinstrap and macaroni penguin diet and demography at Nyrsya, Bouvetia. <i>Antarctic Science</i> , 2016, 28, 91-100.	0.9	10
67	Geographic variation in subantarctic fur seal pup growth: linkages with environmental variability and population density. <i>Journal of Mammalogy</i> , 2016, 97, 347-360.	1.3	10
68	Can the carbon and nitrogen isotope values of offspring be used as a proxy for their mother's diet? Using foetal physiology to interpret bulk tissue and amino acid $\delta^{15}N$ values. , 2020, 8, coaa060.		10
69	Habitat model forecasts suggest potential redistribution of marine predators in the southern Indian Ocean. <i>Diversity and Distributions</i> , 2022, 28, 142-159.	4.1	10
70	Intra-archipelago moult dispersion of southern elephant seals at the Prince Edward Islands, southern Indian Ocean. <i>African Journal of Marine Science</i> , 2009, 31, 457-462.	1.1	9
71	Making use of multiple surveys: Estimating breeding probability using a multievent-robust design capture-recapture model. <i>Ecology and Evolution</i> , 2019, 9, 836-848.	1.9	9
72	First record of a vagrant Commerson's dolphin, <i>Cephalorhynchus commersonii</i> , at the southern African continental shelf. <i>African Zoology</i> , 2006, 41, 131-133.	0.4	8

#	ARTICLE	IF	CITATIONS
73	Leucistic southern elephant seal at Marion Island?. Polar Biology, 2008, 31, 255-257.	1.2	8
74	Determinants of moult haulout phenology and duration in southern elephant seals. Scientific Reports, 2021, 11, 13331.	3.3	8
75	Prevalence of allosuckling behaviour in Subantarctic fur seal pups. Mammalian Biology, 2010, 75, 555-560.	1.5	7
76	Instrumentation and handling effects on Antarctic fur seals (<i>Arctocephalus gazella</i>). Polar Research, 2014, 33, 21630.	1.6	7
77	First confirmed record of a leucistic Antarctic fur seal pup born outside the Scotia Arc Islands. Polar Biology, 2015, 38, 569-571.	1.2	7
78	Multiple occurrences of king penguin (<i>Aptenodytes patagonicus</i>) sexual harassment by Antarctic fur seals (<i>Arctocephalus gazella</i>). Polar Biology, 2015, 38, 741-746.	1.2	7
79	First record of a vagrant Commerson's dolphin, <i>Cephalorhynchus commersonii</i> , at the southern African continental shelf. African Zoology, 2006, 41, 131-133.	0.4	6
80	Aspects of the ecology of killer whale (<i>Orcinus orca</i> Linn.) groups in the near-shore waters of Sub-Antarctic Macquarie Island. Polar Biology, 2018, 41, 2249-2259.	1.2	6
81	Seasonal fission and fusion of killer whale, <i>Orcinus orca</i> , social structure at sub-Antarctic Marion Island. Animal Behaviour, 2021, 177, 223-230.	1.9	6
82	Who's the boss? Giant petrel arrival times and interspecific interactions at a seal carcass at sub-Antarctic Marion Island. Polar Biology, 2005, 28, 571-573.	1.2	5
83	Misreporting: hippo stories off-target. Nature, 2010, 468, 1041-1041.	27.8	5
84	Tiletamine/zolazepam immobilization of adult post-moult southern elephant seal males. Polar Biology, 2013, 36, 1687-1692.	1.2	5
85	Virtual plaster cast: digital 3D modelling of lion paws and tracks using close-range photogrammetry. Journal of Zoology, 2016, 300, 111-119.	1.7	5
86	Exploring South Africa's southern frontier: A 20-year vision for polar research through the South African National Antarctic Programme. South African Journal of Science, 2017, 113, 7.	0.7	5
87	Abundance, survival and population growth of killer whales <i>Orcinus orca</i> at subantarctic Marion Island. Wildlife Biology, 2020, 2020, 1-10.	1.4	5
88	Antarctic fur seal predation on cephalopods at Marion Island. Polar Biology, 2010, 33, 571-574.	1.2	4
89	Simplifying photogrammetric analysis for assessment of large mammal mass: automated targeting and 3D model building. Photogrammetric Record, 2015, 30, 227-241.	0.4	4
90	How unique is unique? Quantifying geometric differences in stripe patterns of Cape mountain zebra, <i>Equus zebra zebra</i> (Perissodactyla: Equidae). Zoological Journal of the Linnean Society, 2021, 191, 612-625.	2.3	4

#	ARTICLE	IF	CITATIONS
91	Selective disappearance of frail juveniles: consequences for understanding social dominance in adult male elephant seals. <i>Oikos</i> , 2020, 129, 1566-1578.	2.7	4
92	Vagrant birds ashore at the Prince Edward Islands, southern Indian Ocean, from 1987 to 2009. <i>African Journal of Marine Science</i> , 2009, 31, 445-450.	1.1	3
93	King penguin brooding and defending a sub-Antarctic skua chick. <i>Polar Biology</i> , 2009, 32, 303-305.	1.2	3
94	Does Science Serve the Wildlife Industry? A Critique of Von Brandis & Reilly (2008). <i>South African Journal of Wildlife Research</i> , 2009, 39, 103-105.	1.4	3
95	Unmarked individuals in mark-recapture studies: Comparisons of marked and unmarked southern elephant seals at Marion Island. <i>Austral Ecology</i> , 2012, 37, 556-568.	1.5	3
96	South African research in the Southern Ocean: New opportunities but serious challenges. <i>South African Journal of Science</i> , 2013, 109, 4.	0.7	3
97	Multi-state mark-recapture models as a novel approach to estimate factors affecting attendance patterns of lactating subantarctic fur seals from Marion Island. <i>Antarctic Science</i> , 2015, 27, 252-262.	0.9	3
98	Identification of the Anteroposterior and Mediolateral Position of Lion Paws and Tracks Using 3D Geometric Morphometrics. <i>African Journal of Wildlife Research</i> , 2017, 47, 106-113.	0.4	2
99	Anomalous lanugo coat colourations in sub-Antarctic fur seal (<i>Arctocephalus tropicalis</i>) pups born on Marion Island. <i>Polar Biology</i> , 2019, 42, 1053-1057.	1.2	2
100	Fish prey of sub-Antarctic fur seals <i>Arctocephalus tropicalis</i> at the Tristan da Cunha Islands, South Atlantic Ocean. <i>Polar Biology</i> , 2021, 44, 1015-1020.	1.2	2
101	Estimating bird flight height using 3D photogrammetry. <i>Journal of Zoology</i> , 2021, 314, 174-186.	1.7	2
102	Alloparental Care of a Bottlenose and Common Dolphin Calf by a Female Indian Ocean Humpback Dolphin Along the Garden Route, South Africa. <i>Aquatic Mammals</i> , 2022, 48, 197-202.	0.7	2
103	Inshore Occurrence of Southern Right Whales (<i>Eubalaena australis</i>) at Subantarctic Marion Island. <i>African Zoology</i> , 2011, 46, 188-193.	0.4	1
104	Inshore occurrence of southern right whales (<i>Eubalaena australis</i>) at Subantarctic Marion Island. <i>African Zoology</i> , 2011, 46, 188-193.	0.4	1
105	First record of roan antelope (<i>Hippotragus equinus</i>) feeding on the fruits of the sausage tree (<i>Kigelia africana</i>). <i>African Journal of Ecology</i> , 2014, 52, 568-570.	0.9	1
106	First record of a porbeagle shark <i>Lamna nasus</i> (Bonnaterre, 1788) stranding at sub-Antarctic Marion Island. <i>Marine Biodiversity Records</i> , 2015, 8, .	1.2	1
107	ASSESSING 3D PHOTOGRAMMETRY TECHNIQUES IN CRANIOMETRICS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B6, 267-273.	0.2	1
108	Home range and habitat use of roan antelope <i>Hippotragus equinus</i> in Northern Botswana. <i>Journal of Arid Environments</i> , 2022, 196, 104648.	2.4	1

#	ARTICLE	IF	CITATIONS
109	Shower water usage in Kruger National Park tourist accommodation: effectiveness of technology and information intervention to reduce use. Environmental Science: Water Research and Technology, 2022, 8, 1497-1506.	2.4	1
110	Australia: no price on cutting fire risk. Nature, 2012, 482, 471-471.	27.8	0
111	Riding shutdowns in developing world. Nature, 2013, 503, 198-198.	27.8	0
112	Debate over whale longevity is futile. Nature, 2016, 533, 36-36.	27.8	0
113	Female Seals that Breed Young Also Enjoy a Slower Rate of Aging. Bulletin of the Ecological Society of America, 2021, 102, e01863.	0.2	0
114	Reliability of VHF telemetry data for measuring attendance patterns of marine predators: a comparison with time depth recorder data. Marine Ecology - Progress Series, 2015, 538, 249-256.	1.9	0