

# Francesco Bonadonna

## List of Publications by Year in descending order

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95  
papers

3,758  
citations

101543

36  
h-index

138484

58  
g-index

95  
all docs

95  
docs citations

95  
times ranked

3042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wild skuas can use acoustic cues to locate hidden food. <i>Animal Cognition</i> , 2022, , 1.	1.8	2
2	Exclusion in the field: wild brown skuas find hidden food in the absence of visual information. <i>Animal Cognition</i> , 2021, 24, 867-876.	1.8	9
3	Not only pigeons: avian olfactory navigation studied by satellite telemetry. <i>Ethology Ecology and Evolution</i> , 2021, 33, 273-289.	1.4	9
4	Call rate, fundamental frequency, and syntax determine male-call attractiveness in blue petrels <i>Halobaena caerulea</i> . <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	1.4	3
5	Contextual variations in calls of two nonoscine birds: the blue petrel <i>Halobaena caerulea</i> and the Antarctic prion <i>Pachyptila desolata</i> . <i>Behavioral Ecology</i> , 2021, 32, 769-779.	2.2	2
6	How king penguins advertise their sexual maturity. <i>Animal Behaviour</i> , 2021, 177, 253-267.	1.9	1
7	Taxonomy based on limited genomic markers may underestimate species diversity of rockhopper penguins and threaten their conservation. <i>Diversity and Distributions</i> , 2021, 27, 2277-2296.	4.1	4
8	Olfactory detection of trace amounts of plant volatiles is correlated with testosterone in a passerine bird. <i>Hormones and Behavior</i> , 2021, 136, 105045.	2.1	9
9	Genome-wide analyses reveal drivers of penguin diversification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22303-22310.	7.1	47
10	Cryptic speciation in gentoo penguins is driven by geographic isolation and regional marine conditions: Unforeseen vulnerabilities to global change. <i>Diversity and Distributions</i> , 2020, 26, 958-975.	4.1	17
11	More than the eye can see: Genomic insights into the drivers of genetic differentiation in Royal/Macaroni penguins across the Southern Ocean. <i>Molecular Phylogenetics and Evolution</i> , 2019, 139, 106563.	2.7	21
12	Males' calls carry information about individual identity and morphological characteristics of the caller in burrowing petrels. <i>Journal of Avian Biology</i> , 2019, 50, .	1.2	7
13	Pheomelanin-based coloration is related to individual quality and oxidative stress in blue petrels. <i>Evolutionary Ecology</i> , 2019, 33, 873-887.	1.2	2
14	Impact of long-term behavioural studies in the wild: the blue petrel, <i>Halobaena caerulea</i> , case at Kerguelen. <i>Animal Behaviour</i> , 2019, 151, 53-65.	1.9	2
15	Plumage microbiota covaries with the major histocompatibility complex in blue petrels. <i>Molecular Ecology</i> , 2019, 28, 833-846.	3.9	35
16	Sight or smell: which senses do scavenging raptors use to find food?. <i>Animal Cognition</i> , 2019, 22, 49-59.	1.8	19
17	Sex identification in King Penguins <i>Aptenodytes patagonicus</i> through morphological and acoustic cues. <i>Ibis</i> , 2018, 160, 755-768.	1.9	16
18	Climate-driven range shifts of the king penguin in a fragmented ecosystem. <i>Nature Climate Change</i> , 2018, 8, 245-251.	18.8	95

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19	Structural organisation and dynamics in king penguin colonies. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 164004.	2.8	11
20	Flexible migratory choices of <i>Coryâ€™s</i> shearwaters are not driven by shifts in prevailing air currents. <i>Scientific Reports</i> , 2018, 8, 3376.	3.3	13
21	Odour of King Penguin feathers analysed using direct thermal desorption discriminates between individuals but not sexes. <i>Ibis</i> , 2018, 160, 379-389.	1.9	10
22	Visual configuration of two species of Falconidae with different foraging ecologies. <i>Ibis</i> , 2018, 160, 54-61.	1.9	12
23	Editorial: The Importance of Olfaction in Intra- and Interspecific Communication. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	10
24	Visual field shape and foraging ecology in diurnal raptors. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	20
25	Preen oil chemical composition encodes individuality, seasonal variation and kinship in black kites <i>&lt;i&gt;Milvus migrans&lt;/i&gt;</i> . <i>Journal of Avian Biology</i> , 2018, 49, e01728.	1.2	15
26	Responses of king penguin <i>&lt;i&gt;Aptenodytes patagonicus&lt;/i&gt;</i> adults and chicks to two foodâ€™related odours. <i>Journal of Avian Biology</i> , 2017, 48, 235-242.	1.2	7
27	Odour-based discrimination of similarity at the major histocompatibility complex in birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162466.	2.6	56
28	Reproductive isolation maintains distinct genotypes, phenotypes and chemical signatures in mixed colonies of the two European <i>Calonectris</i> shearwaters (Procellariiformes: Procellariidae). <i>Zoological Journal of the Linnean Society</i> , 2017, 181, 711-726.	2.3	6
29	Marked phylogeographic structure of Gentoo penguin reveals an ongoing diversification process along the Southern Ocean. <i>Molecular Phylogenetics and Evolution</i> , 2017, 107, 486-498.	2.7	39
30	Eye Size, Fovea, and Foraging Ecology in Accipitriform Raptors. <i>Brain, Behavior and Evolution</i> , 2017, 90, 232-242.	1.7	34
31	Comment on â€™Marine plastic debris emits a keystone infochemical for olfactory foraging seabirdsâ€™ by Savoca <i>&lt;i&gt;et al.&lt;/i&gt;</i> . <i>Science Advances</i> , 2017, 3, e1700526.	10.3	8
32	Blue petrels recognize the odor of their egg. <i>Journal of Experimental Biology</i> , 2017, 220, 3022-3025.	1.7	13
33	100 million years of multigene family evolution: origin and evolution of the avian MHC class IIB. <i>BMC Genomics</i> , 2017, 18, 460.	2.8	26
34	Chemical labels differ between two closely related shearwater taxa. <i>Journal of Avian Biology</i> , 2016, 47, 540-551.	1.2	14
35	Visual acuity in an opportunistic raptor, the chimango caracara ( <i>Milvago chimango</i> ). <i>Physiology and Behavior</i> , 2016, 157, 125-128.	2.1	18
36	Visual abilities in two raptors with different ecology. <i>Journal of Experimental Biology</i> , 2016, 219, 2639-49.	1.7	39

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37	Guidelines for Collecting and Extracting Avian Odors in a Remote Field: Case Study of a Subantarctic Seabird. , 2016, , 435-460.		1
38	Olfaction and topography, but not magnetic cues, control navigation in a pelagic seabird: displacements with shearwaters in the Mediterranean Sea. <i>Scientific Reports</i> , 2015, 5, 16486.	3.3	57
39	Mediterranean storm petrels rely on nest position for homing after migration: a test with artificial nestboxes. <i>Animal Behaviour</i> , 2015, 107, 97-104.	1.9	4
40	King penguins can detect two odours associated with conspecifics. <i>Journal of Experimental Biology</i> , 2015, 218, 3374-6.	1.7	5
41	The effect of experienced individuals on navigation by king penguin chick pairs. <i>Animal Behaviour</i> , 2015, 104, 69-78.	1.9	10
42	Contrasting population trends at seabirds colonies: is food limitation a factor in Norway?. <i>Journal of Ornithology</i> , 2015, 156, 397-406.	1.1	4
43	The perfume of reproduction in birds: Chemosignaling in avian social life. <i>Hormones and Behavior</i> , 2015, 68, 25-42.	2.1	102
44	Differences in olfactory species recognition in the females of two Australian songbird species. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 1819-1827.	1.4	44
45	Olfactory foraging in temperate waters: Sensitivity to dimethylsulfide by shearwaters in the Atlantic Ocean and Mediterranean Sea. <i>Journal of Experimental Biology</i> , 2014, 217, 1701-9.	1.7	26
46	Resolution of navigational conflict in king penguin chicks. <i>Animal Behaviour</i> , 2014, 93, 221-228.	1.9	12
47	Oceanic navigation in Cory's shearwaters: evidence for a crucial role of olfactory cues for homing after displacement. <i>Journal of Experimental Biology</i> , 2013, 216, 2798-2805.	1.7	113
48	Male-biased Mate Competition in King Penguin Trio Parades. <i>Ethology</i> , 2013, 119, 389-396.	1.1	9
49	The invisible cues that guide king penguin chicks home. The use of magnetic and acoustic cues during orientation and short-range navigation. <i>Journal of Experimental Biology</i> , 2013, 216, 1491-500.	1.7	4
50	Besides Colours and Songs, Odour is the New Black of Avian Communication. , 2013, , 325-339.		19
51	Back home at night or out until morning? Nycthemeral variations in homing of anosmic Cory's shearwaters in a diurnal colony. <i>Journal of Experimental Biology</i> , 2013, 216, 1430-3.	1.7	17
52	Potential Semiochemical Molecules from Birds: A Practical and Comprehensive Compilation of the Last 20 Years Studies. <i>Chemical Senses</i> , 2012, 37, 3-25.	2.0	78
53	Multi-scale foraging variability in Northern gannet ( <i>Morus bassanus</i> ) fuels potential foraging plasticity. <i>Marine Biology</i> , 2012, 159, 2743.	1.5	36
54	Major histocompatibility complex class II compatibility, but not class I, predicts mate choice in a bird with highly developed olfaction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4457-4463.	2.6	87

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55	Kin recognition and inbreeding avoidance in wild birds: the first evidence for individual kin-related odour recognition. <i>Animal Behaviour</i> , 2012, 84, 509-513.	1.9	121
56	GPS and time-depth loggers reveal underwater foraging plasticity in a flying diver, the Cape Cormorant. <i>Marine Biology</i> , 2012, 159, 373-387.	1.5	24
57	Flying at No Mechanical Energy Cost: Disclosing the Secret of Wandering Albatrosses. <i>PLoS ONE</i> , 2012, 7, e41449.	2.5	82
58	From preen secretions to plumage: the chemical trajectory of blue petrels' <i>Halobaena caerulea</i> social scent. <i>Journal of Avian Biology</i> , 2011, 42, 29-38.	1.2	54
59	Characterization of MHC class I and II genes in a subantarctic seabird, the blue petrel, <i>Halobaena caerulea</i> (Procellariiformes). <i>Immunogenetics</i> , 2011, 63, 653-666.	2.4	42
60	Comments on Recent Work by Zhang and Colleagues: "Uropygial Gland-Secreted Alkanols Contribute to Olfactory Sex Signals in Budgerigars". <i>Chemical Senses</i> , 2011, 36, 3-4.	2.0	11
61	Chemical kin label in seabirds. <i>Biology Letters</i> , 2011, 7, 807-810.	2.3	25
62	Do penguins dare to walk at night? Visual cues influence king penguin colony arrivals and departures. <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 1145-1156.	1.4	12
63	Patterns of variation of serum oxidative stress markers in two seabird species. <i>Polar Research</i> , 2010, 29, 30-35.	1.6	23
64	One House Two Families: Petrel Squatters Get a Sniff of Low-Cost Breeding Opportunities. <i>Ethology</i> , 2010, 116, 176-182.	1.1	23
65	Detective mice assess relatedness in baboons using olfactory cues. <i>Journal of Experimental Biology</i> , 2010, 213, 1399-1405.	1.7	18
66	Species, Gender, and Identity: Cracking Petrels' Sociochemical Code. <i>Chemical Senses</i> , 2010, 35, 309-321.	2.0	85
67	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 June 2010 – 31 July 2010. <i>Molecular Ecology Resources</i> , 2010, 10, 1106-1108.	4.8	48
68	Orientation in a crowded environment: can King Penguin ( <i>Aptenodytes patagonicus</i> ) chicks find their creches after a displacement?. <i>Journal of Experimental Biology</i> , 2009, 212, 210-216.	1.7	7
69	Atypical homing or self-odour avoidance? Blue petrels ( <i>Halobaena caerulea</i> ) are attracted to their mate's odour but avoid their own. <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 537-542.	1.4	46
70	Olfaction in Petrels. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 428-433.	3.8	19
71	Olfactory Sex Recognition Investigated in Antarctic Prions. <i>PLoS ONE</i> , 2009, 4, e4148.	2.5	23
72	GPS tracking of the foraging movements of Manx Shearwaters <i>Puffinus puffinus</i> breeding on Skomer Island, Wales. <i>Ibis</i> , 2008, 150, 462-473.	1.9	97

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73	Wilson's Storm Petrels ( <i>Oceanites oceanicus</i> ) Recognise the Olfactory Signature of Their Mate. <i>Ethology</i> , 2007, 113, 1228-1232.	1.1	27
74	Individual Odor Recognition in Birds: An Endogenous Olfactory Signature on Petrels' Feathers?. <i>Journal of Chemical Ecology</i> , 2007, 33, 1819-1829.	1.8	85
75	Orientation in the wandering albatross: interfering with magnetic perception does not affect orientation performance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 489-495.	2.6	65
76	Sensitivity to dimethyl sulphide suggests a mechanism for olfactory navigation by seabirds. <i>Biology Letters</i> , 2005, 1, 303-305.	2.3	125
77	Partner-Specific Odor Recognition in an Antarctic Seabird. <i>Science</i> , 2004, 306, 835-835.	12.6	210
78	Successful homing of magnet-carrying white-chinned petrels released in the open sea. <i>Animal Behaviour</i> , 2003, 65, 729-734.	1.9	54
79	Scent of a nest: discrimination of own-nest odours in Antarctic prions, <i>Pachyptila desolata</i> . <i>Behavioral Ecology and Sociobiology</i> , 2003, 54, 174-178.	1.4	56
80	Homing in pelagic birds: a pilot experiment with white-chinned petrels released in the open sea. <i>Behavioural Processes</i> , 2003, 61, 95-100.	1.1	20
81	Orientation in 'Featureless' Environments: The Extreme Case of Pelagic Birds. , 2003, , 367-377.		26
82	Evidence for nest-odour recognition in two species of diving petrel. <i>Journal of Experimental Biology</i> , 2003, 206, 3719-3722.	1.7	78
83	A comparison of the olfactory abilities of three species of procellariiform chicks. <i>Journal of Experimental Biology</i> , 2003, 206, 1615-1620.	1.7	52
84	GPS Tracking of Foraging Albatrosses. <i>Science</i> , 2002, 295, 1259-1259.	12.6	200
85	Drinking behaviour and water turnover rates of Antarctic fur seal pups: implications for the estimation of milk intake by isotopic dilution. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2002, 132, 321-331.	1.8	13
86	Magnetic cues: are they important in Black-browed Albatross <i>Diomedea melanophris</i> orientation?. <i>Ibis</i> , 2002, 145, 152-155.	1.9	34
87	Smelling home: a good solution for burrow-finding in nocturnal petrels?. <i>Journal of Experimental Biology</i> , 2002, 205, 2519-2523.	1.7	73
88	Smelling home: a good solution for burrow-finding in nocturnal petrels?. <i>Journal of Experimental Biology</i> , 2002, 205, 2519-23.	1.7	50
89	Spatial distribution of foraging in female Antarctic fur seals <i>Arctocephalus gazella</i> in relation to oceanographic variables: a scale-dependent approach using geographic information systems. <i>Marine Ecology - Progress Series</i> , 2001, 219, 251-264.	1.9	173
90	Foraging ground fidelity and route-choice tactics of a marine predator: the Antarctic fur seal <i>Arctocephalus gazella</i> . <i>Marine Ecology - Progress Series</i> , 2001, 223, 287-297.	1.9	77

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91	Foraging routes of Antarctic fur seals ( <i>Arctocephalus gazella</i> ) investigated by the concurrent use of satellite tracking and time-depth recorders. <i>Polar Biology</i> , 2000, 23, 149-159.	1.2	39
92	Foraging habitat and diving activity of lactating Subantarctic fur seals in relation to sea-surface temperatures at Amsterdam Island. <i>Marine Ecology - Progress Series</i> , 2000, 196, 291-304.	1.9	78
93	Foraging Flights of Breeding Thick-Billed Murres ( <i>Uria lomvia</i> ) as Revealed by Bird-Borne Direction Recorders. <i>Auk</i> , 1998, 115, 57-66.	1.4	87
94	Behavioural effects of ablations of the presumed "prefrontal cortex" or the corticoid in pigeons. <i>Behavioural Brain Research</i> , 1996, 78, 155-162.	2.2	38
95	Long-distance migration and homing after displacement in the green turtle ( <i>Chelonia mydas</i> ): a satellite tracking study. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1996, 178, 447.	1.6	59