Francis Daunt

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Interspecific variation in non-breeding aggregation: a multi-colony tracking study of two sympatric seabirds. Marine Ecology - Progress Series, 2022, 684, 181-197.	1.9	7
2	Mass mortality of seabirds in GB. Veterinary Record, 2022, 190, 129-130.	0.3	2
3	Potential climate-driven changes to seabird demography: implications for assessments of marine renewable energy development. Marine Ecology - Progress Series, 2022, 690, 185-200.	1.9	5
4	Siteâ€dependent regulation of breeding success: Evidence for the buffer effect in the common guillemot, a colonially breeding seabird. Journal of Animal Ecology, 2022, 91, 752-765.	2.8	5
5	Longâ€ŧerm withinâ€season changes in the diet of Common Guillemot (<i>Uria aalge</i>) chicks at a North Sea colony: implications for dietary monitoring. Ibis, 2022, 164, 1243-1251.	1.9	3
6	Modelling and mapping how common guillemots balance their energy budgets over a full annual cycle. Functional Ecology, 2022, 36, 1612-1626.	3.6	2
7	Variation and correlation in the timing of breeding of North Atlantic seabirds across multiple scales. Journal of Animal Ecology, 2022, 91, 1797-1812.	2.8	2
8	No evidence for fitness signatures consistent with increasing trophic mismatch over 30Âyears in a population of European shag <i>Phalacrocorax aristotelis</i> . Journal of Animal Ecology, 2021, 90, 432-446.	2.8	8
9	Individual migration strategy fidelity but no habitat specialization in two congeneric seabirds. Journal of Biogeography, 2021, 48, 263-275.	3.0	9
10	Strong survival selection on seasonal migration versus residence induced by extreme climatic events. Journal of Animal Ecology, 2021, 90, 796-808.	2.8	29
11	Strengthening the evidence base for temperature-mediated phenological asynchrony and its impacts. Nature Ecology and Evolution, 2021, 5, 155-164.	7.8	53
12	Meeting Paris agreement objectives will temper seabird winter distribution shifts in the North Atlantic Ocean. Global Change Biology, 2021, 27, 1457-1469.	9.5	16
13	Strong migratory connectivity across meta-populations of sympatric North Atlantic seabirds. Marine Ecology - Progress Series, 2021, 676, 173-188.	1.9	13
14	Spatial and temporal variation in foraging of breeding redâ€ŧhroated divers. Journal of Avian Biology, 2021, 52, .	1.2	6
15	Hemispheric asymmetry in ocean change and the productivity of ecosystem sentinels. Science, 2021, 372, 980-983.	12.6	38
16	Episodes of opposing survival and reproductive selection cause strong fluctuating selection on seasonal migration versus residence. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210404.	2.6	11
17	Improving assessments of dataâ€limited populations using lifeâ€history theory. Journal of Applied Ecology, 2021, 58, 1225-1236.	4.0	10
18	Twilight foraging enables European shags to survive the winter across their latitudinal range. Marine Ecology - Progress Series, 2021, 676, 145-157.	1.9	6

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19	Multispecies tracking reveals a major seabird hotspot in the North Atlantic. Conservation Letters, 2021, 14, e12824.	5.7	54
20	Inter-population synchrony in adult survival and effects of climate and extreme weather in non-breeding areas of Atlantic puffins. Marine Ecology - Progress Series, 2021, 676, 219-231.	1.9	13
21	North Atlantic winter cyclones starve seabirds. Current Biology, 2021, 31, 3964-3971.e3.	3.9	24
22	Six pelagic seabird species of the North Atlantic engage in a fly-and-forage strategy during their migratory movements. Marine Ecology - Progress Series, 2021, 676, 127-144.	1.9	17
23	A year in the life of a North Atlantic seabird: behavioural and energetic adjustments during the annual cycle. Scientific Reports, 2020, 10, 5993.	3.3	33
24	Among-individual and within-individual variation in seasonal migration covaries with subsequent reproductive success in a partially migratory bird. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200928.	2.6	18
25	Interactions between Environmental Contaminants and Gastrointestinal Parasites: Novel Insights from an Integrative Approach in a Marine Predator. Environmental Science & Technology, 2020, 54, 8938-8948.	10.0	22
26	The importance of observer effort on the accuracy of breeding success estimates in the Common Guillemot Uria aalge. Bird Study, 2020, 67, 93-103.	1.0	3
27	Sublethal effects of natural parasitism act through maternal, but not paternal, reproductive success in a wild population. Ecology, 2019, 100, e02772.	3.2	5
28	Earlier colony arrival but no trend in hatching timing in two congeneric seabirds (<i>Uria</i> spp.) across the North Atlantic. Biology Letters, 2019, 15, 20190634.	2.3	15
29	A fulfilled human life: Eliciting sense of place and cultural identity in two UK marine environments through the Community Voice Method. Ecosystem Services, 2019, 39, 100992.	5.4	21
30	Effects of body size, sex, parental care and moult strategies on auk diving behaviour outside the breeding season. Journal of Avian Biology, 2019, 50, .	1.2	11
31	Environmental heterogeneity decreases reproductive success via effects on foraging behaviour. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190795.	2.6	14
32	Sympatric Atlantic puffins and razorbills show contrasting responses to adverse marine conditions during winter foraging within the North Sea. Movement Ecology, 2019, 7, 33.	2.8	18
33	Population and evolutionary dynamics in spatially structured seasonally varying environments. Biological Reviews, 2018, 93, 1578-1603.	10.4	39
34	Global assessment of the effect of climate change on ammonia emissions from seabirds. Atmospheric Environment, 2018, 184, 212-223.	4.1	16
35	Global phenological insensitivity to shifting ocean temperatures among seabirds. Nature Climate Change, 2018, 8, 313-318.	18.8	68
36	Water velocity limits the temporal extent of herbivore effects on aquatic plants in a lowland river. Hydrobiologia, 2018, 812, 45-55.	2.0	6

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37	Pronounced long-term trends in year-round diet composition of the European shag Phalacrocorax aristotelis. Marine Biology, 2018, 165, 1.	1.5	14
38	The role of parasitism in the energy management of a free-ranging bird. Journal of Experimental Biology, 2018, 221, .	1.7	9
39	Global Monitoring of Persistent Organic Pollutants (POPs) Using Seabird Preen Gland Oil. Archives of Environmental Contamination and Toxicology, 2018, 75, 545-556.	4.1	13
40	Spatial scales of marine conservation management for breeding seabirds. Marine Policy, 2018, 98, 37-46.	3.2	77
41	The energetic cost of parasitism in a wild population. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180489.	2.6	29
42	Moult location and diet of auks in the North Sea inferred from coupled light-based and isotopebased geolocation. Marine Ecology - Progress Series, 2018, 599, 239-251.	1.9	14
43	Community-wide decline in the occurrence of lesser sandeels Ammodytes marinus in seabird chick diets at a North Sea colony. Marine Ecology - Progress Series, 2018, 600, 193-206.	1.9	25
44	Between-individual variation in nematode burden among juveniles in a wild host. Parasitology, 2017, 144, 248-258.	1.5	6
45	Validating accelerometry estimates of energy expenditure across behaviours using heart rate data in a free-living seabird. Journal of Experimental Biology, 2017, 220, 1875-1881.	1.7	33
46	High temporal resolution modelling of environmentally-dependent seabird ammonia emissions: Description and testing of the GUANO model. Atmospheric Environment, 2017, 161, 48-60.	4.1	12
47	Reproductive performance of resident and migrant males, females and pairs in a partially migratory bird. Journal of Animal Ecology, 2017, 86, 1010-1021.	2.8	55
48	Helminth burden and ecological factors associated with alterations in wild host gastrointestinal microbiota. ISME Journal, 2017, 11, 663-675.	9.8	30
49	Genetic structure in the European endemic seabird, <i>Phalacrocorax aristotelis</i> , shaped by a complex interaction of historical and contemporary, physical and nonphysical drivers. Molecular Ecology, 2017, 26, 2796-2811.	3.9	10
50	Ecological resilience in lakes and the conjunction fallacy. Nature Ecology and Evolution, 2017, 1, 1616-1624.	7.8	52
51	Telomere length measurement by qPCR in birds is affected by storage method of blood samples. Oecologia, 2017, 184, 341-350.	2.0	33
52	Breeding density, fineâ€scale tracking, and largeâ€scale modeling reveal the regional distribution of four seabird species. Ecological Applications, 2017, 27, 2074-2091.	3.8	83
53	Best practices for assessing forage fish fisheries-seabird resource competition. Fisheries Research, 2017, 194, 209-221.	1.7	66
54	Herbivore regulation of plant abundance in aquatic ecosystems. Biological Reviews, 2017, 92, 1128-1141.	10.4	121

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55	Multi-colony tracking reveals spatio-temporal variation in carry-over effects between breeding success and winter movements in a pelagic seabird. Marine Ecology - Progress Series, 2017, 578, 167-181.	1.9	32
56	Causes and consequences of individual variability and specialization in foraging and migration strategies of seabirds. Marine Ecology - Progress Series, 2017, 578, 117-150.	1.9	121
5 7	From days to decades: short- and long-term variation in environmental conditions affect offspring diet composition of a marine top predator. Marine Ecology - Progress Series, 2017, 583, 227-242.	1.9	52
58	Do early warning indicators consistently predict nonlinear change in longâ€ŧerm ecological data?. Journal of Applied Ecology, 2016, 53, 666-676.	4.0	104
59	Measurement of ammonia emissions from temperate and sub-polar seabird colonies. Atmospheric Environment, 2016, 134, 40-50.	4.1	24
60	European shags optimize their flight behavior according to wind conditions. Journal of Experimental Biology, 2016, 219, 311-318.	1.7	41
61	Age, oxidative stress exposure and fitness in a longâ€lived seabird. Functional Ecology, 2016, 30, 913-921.	3.6	36
62	Parental age influences offspring telomere loss. Functional Ecology, 2016, 30, 1531-1538.	3.6	39
63	Ecological Instability in Lakes: A Predictable Condition?. Environmental Science & Technology, 2016, 50, 3285-3286.	10.0	10
64	Solutions for Archiving Data in Long-Term Studies: A Reply to Whitlock et al Trends in Ecology and Evolution, 2016, 31, 85-87.	8.7	10
65	Contrasting responses of male and female foraging effort to yearâ€round wind conditions. Journal of Animal Ecology, 2015, 84, 1490-1496.	2.8	44
66	FORUM: Effective management of ecological resilience – are we there yet?. Journal of Applied Ecology, 2015, 52, 1311-1315.	4.0	39
67	Geolocators reveal an unsuspected moulting area for Isle of May Common Guillemots <i>Uria aalge</i> . Bird Study, 2015, 62, 267-270.	1.0	16
68	Indirect effects of parasitism: costs of infection to other individuals can be greater than direct costs borne by the host. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150602.	2.6	7
69	Archiving Primary Data: Solutions for Long-Term Studies. Trends in Ecology and Evolution, 2015, 30, 581-589.	8.7	98
70	Protracted treatment with corticosterone reduces breeding success in a long-lived bird. General and Comparative Endocrinology, 2015, 210, 38-45.	1.8	11
71	Effects of sea temperature and stratification changes on seabird breeding success. Climate Research, 2015, 66, 75-89.	1.1	37
72	Effects of an extreme weather event on seabird breeding success at a North Sea colony. Marine Ecology - Progress Series, 2015, 532, 257-268.	1.9	23

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73	Site Fidelity and Individual Variation in Winter Location in Partially Migratory European Shags. PLoS ONE, 2014, 9, e98562.	2.5	40
74	Stress exposure in early post-natal life reduces telomere length: an experimental demonstration in a long-lived seabird. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20133151.	2.6	133
75	Parasitism in early life: environmental conditions shape withinâ€brood variation in responses to infection. Ecology and Evolution, 2014, 4, 3408-3419.	1.9	21
76	Among-year and within-population variation in foraging distribution of European shags Phalacrocorax aristotelis over two decades: Implications for marine spatial planning. Biological Conservation, 2014, 170, 292-299.	4.1	49
77	Longitudinal bio-logging reveals interplay between extrinsic and intrinsic carry-over effects in a long-lived vertebrate. Ecology, 2014, 95, 2077-2083.	3.2	42
78	Measurement of ammonia emissions from tropical seabird colonies. Atmospheric Environment, 2014, 89, 35-42.	4.1	27
79	Assessing the vulnerability of the marine bird community in the western North Sea to climate change and other anthropogenic impacts. Marine Ecology - Progress Series, 2014, 507, 277-295.	1.9	21
80	Can Sacrificial Feeding Areas Protect Aquatic Plants from Herbivore Grazing? Using Behavioural Ecology to Inform Wildlife Management. PLoS ONE, 2014, 9, e104034.	2.5	14
81	Inter-year differences in survival of Atlantic puffins Fratercula arctica are not associated with winter distribution. Marine Biology, 2013, 160, 2877-2889.	1.5	19
82	Analysis of fatty acids and fatty alcohols reveals seasonal and sex-specific changes in the diets of seabirds. Marine Biology, 2013, 160, 987-999.	1.5	22
83	Estimating dispersal distributions at multiple scales: withinâ€colony and amongâ€colony dispersal rates, distances and directions in <scp>E</scp> uropean <scp>S</scp> hags <i><scp>P</scp>halacrocorax aristotelis</i> . Ibis, 2013, 155, 762-778.	1.9	26
84	Breeding together: modeling synchrony in productivity in a seabird community. Ecology, 2013, 94, 3-10.	3.2	31
85	Endoscopy as a novel method for assessing endoparasite burdens in freeâ€ranging European shags (<i>Phalacrocorax aristotelis</i>). Methods in Ecology and Evolution, 2013, 4, 207-216.	5.2	12
86	The role of season and social grouping on habitat use by Mute Swans (<i>Cygnus olor</i>) in a lowland river catchment. Bird Study, 2013, 60, 229-237.	1.0	17
87	Co with the flow: water velocity regulates herbivore foraging decisions in river catchments. Oikos, 2013, 122, 1720-1729.	2.7	29
88	Seabirds maintain offspring provisioning rate despite fluctuations in prey abundance: a multiâ€species functional response for guillemots in the <scp>N</scp> orth <scp>S</scp> ea. Journal of Applied Ecology, 2013, 50, 1071-1079.	4.0	19
89	Towards a climate-dependent paradigm of ammonia emission and deposition. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130166.	4.0	328
90	Modelling the Effects of Prey Size and Distribution on Prey Capture Rates of Two Sympatric Marine Predators. PLoS ONE, 2013, 8, e79915.	2.5	24

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91	Evaluating the Effects of Population Management on a Herbivore Grazing Conflict. PLoS ONE, 2013, 8, e56287.	2.5	12
92	Measuring submerged macrophyte standing crop in shallow rivers: A test of methodology. Aquatic Botany, 2012, 102, 28-33.	1.6	23
93	Multicolony tracking reveals the winter distribution of a pelagic seabird on an ocean basin scale. Diversity and Distributions, 2012, 18, 530-542.	4.1	165
94	Using GPS technology to assess feeding areas of Atlantic Puffins <i>Fratercula arctica</i> . Ringing and Migration, 2012, 27, 43-49.	0.4	27
95	Impacts of Parasites in Early Life: Contrasting Effects on Juvenile Growth for Different Family Members. PLoS ONE, 2012, 7, e32236.	2.5	16
96	Understanding Plant Community Responses to Combinations of Biotic and Abiotic Factors in Different Phases of the Plant Growth Cycle. PLoS ONE, 2012, 7, e49824.	2.5	38
97	Egg components vary independently of each other in the facultative siblicidal Black-legged Kittiwake Rissa tridactyla. Journal of Ornithology, 2012, 153, 513-523.	1.1	10
98	The impact of waterfowl herbivory on plant standing crop: a meta-analysis. Hydrobiologia, 2012, 686, 157-167.	2.0	63
99	The global distribution of ammonia emissions from seabird colonies. Atmospheric Environment, 2012, 55, 319-327.	4.1	102
100	Phenological trends and trophic mismatch across multiple levels of a North Sea pelagic food web. Marine Ecology - Progress Series, 2012, 454, 119-133.	1.9	77
101	Weak largeâ€scale population genetic structure in a philopatric seabird, the European Shag <i>Phalacrocorax aristotelis</i> . Ibis, 2011, 153, 768-778.	1.9	22
102	Seasonal interactions in the black-legged kittiwake, <i>Rissa tridactyla</i> : links between breeding performance and winter distribution. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2412-2418.	2.6	100
103	Individual state and survival prospects: age, sex, and telomere length in a long-lived seabird. Behavioral Ecology, 2011, 22, 156-161.	2.2	33
104	Wintering areas of adult Atlantic puffins Fratercula arctica from a North Sea colony as revealed by geolocation technology. Marine Biology, 2010, 157, 827-836.	1.5	63
105	Sampling avian adipose tissue: assessing a nondestructive biopsy technique. Journal of Field Ornithology, 2010, 81, 92-98.	0.5	7
106	Influence of wing loading on the trade-off between pursuit-diving and flight in common guillemots and razorbills. Journal of Experimental Biology, 2010, 213, 1018-1025.	1.7	71
107	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 April 2010 – 31 May 2010. Molecular Ecology Resources, 2010, 10, 1098-1105.	4.8	71
108	Can Ethograms Be Automatically Generated Using Body Acceleration Data from Free-Ranging Birds?. PLoS ONE, 2009, 4, e5379.	2.5	351

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109	Effects of extrinsic and intrinsic factors on breeding success in a long lived seabird. Oikos, 2009, 118, 521-528.	2.7	30
110	Sexâ€specific food provisioning in a monomorphic seabird, the common guillemot <i>Uria aalge</i> : nest defence, foraging efficiency or parental effort?. Journal of Avian Biology, 2009, 40, 75-84.	1.2	82
111	Underwater wingbeats extend depth and duration of plunge dives in northern gannets <i>Morus bassanus</i> . Journal of Avian Biology, 2009, 40, 380-387.	1.2	43
112	Effects of extrinsic and intrinsic factors on breeding success in a long lived seabird. Oikos, 2009, 118, 521-528.	2.7	3
113	Snake Pipefish <i>Entelurus aequoreus</i> are poor food for seabirds. Ibis, 2008, 150, 413-415.	1.9	27
114	The demographic impact of extreme events: stochastic weather drives survival and population dynamics in a longâ€lived seabird. Journal of Animal Ecology, 2008, 77, 1020-1029.	2.8	201
115	Spatial match–mismatch in the Benguela upwelling zone: should we expect chlorophyll and seaâ€surface temperature to predict marine predator distributions?. Journal of Applied Ecology, 2008, 45, 610-621.	4.0	206
116	A new method to quantify prey acquisition in diving seabirds using wing stroke frequency. Journal of Experimental Biology, 2008, 211, 58-65.	1.7	46
117	Parasite Treatment Affects Maternal Investment in Sons. Science, 2008, 321, 1681-1682.	12.6	27
118	The impact of the sandeel fishery closure on seabird food consumption, distribution, and productivity in the northwestern North Sea. Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 362-381.	1.4	58
119	DIFFERENTIAL EFFECTS OF A LOCAL INDUSTRIAL SAND LANCE FISHERY ON SEABIRD BREEDING PERFORMANCE. , 2008, 18, 701-710.		44
120	Microhabitat use and prey capture of a bottom-feeding top predator, the European shag, shown by camera loggers. Marine Ecology - Progress Series, 2008, 356, 283-293.	1.9	90
121	From cradle to early grave: juvenile mortality in European shags Phalacrocorax aristotelis results from inadequate development of foraging proficiency. Biology Letters, 2007, 3, 371-374.	2.3	107
122	Older and wiser: improvements in breeding success are linked to better foraging performance in European shags. Functional Ecology, 2007, 21, 561-567.	3.6	113
123	Black-legged kittiwakes as indicators of environmental change in the North Sea: Evidence from long-term studies. Progress in Oceanography, 2007, 72, 30-38.	3.2	84
124	Impacts of oceanography on the foraging dynamics of seabirds in the North Sea. , 2006, , 177-190.		7
125	Foraging energetics of North Sea birds confronted with fluctuating prey availability. , 2006, , 191-210.		23
126	The use of biologically meaningful oceanographic indices to separate the effects of climate and fisheries on seabird breeding success. , 2006, , 46-62.		23

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127	Using behavioural and state variables to identify proximate causes of population change in a seabird. Oecologia, 2006, 147, 606-614.	2.0	67
128	Extrinsic and intrinsic determinants of winter foraging and breeding phenology in a temperate seabird. Behavioral Ecology and Sociobiology, 2006, 59, 381-388.	1.4	119
129	Sex-specific foraging behaviour in tropical boobies: does size matter?. Ibis, 2005, 147, 408-414.	1.9	99
130	Regulation of stroke and glide in a foot-propelled avian diver. Journal of Experimental Biology, 2005, 208, 2207-2216.	1.7	64
131	Telomere loss in relation to age and early environment in long-lived birds. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1571-1576.	2.6	183
132	Scale-dependent climate signals drive breeding phenology of three seabird species. Global Change Biology, 2004, 10, 1214-1221.	9.5	172
133	Flexible foraging patterns under different time constraints in tropical boobies. Animal Behaviour, 2004, 68, 1331-1337.	1.9	34
134	Partitioning of diving effort in foraging trips of northern gannets. Canadian Journal of Zoology, 2004, 82, 1910-1916.	1.0	16
135	Patterns of energy acquisition by a central place forager: benefits of alternating short and long foraging trips. Behavioral Ecology, 2004, 15, 824-830.	2.2	88
136	Rapid-response recorders reveal interplay between marine physics and seabird behaviour. Marine Ecology - Progress Series, 2003, 255, 283-288.	1.9	42
137	Sexual ornament size and breeding performance in female and male European Shags Phalacrocorax aristotelis. Ibis, 2002, 145, 54-60.	1.9	40
138	Foraging strategies of the black-legged kittiwake Rissa tridactyla at a North Sea colony: evidence for a maximum foraging range. Marine Ecology - Progress Series, 2002, 245, 239-247.	1.9	60
139	Sons and daughters: age-specific differences in parental rearing capacities. Functional Ecology, 2001, 15, 211-216.	3.6	47
140	Experimental evidence that age-specific reproductive success is independent of environmental effects. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 1489-1493.	2.6	91
141	Year-round distribution of Northeast Atlantic seabird populations: applications for population management and marine spatial planning. Marine Ecology - Progress Series, 0, , .	1.9	12