

# Stefan Garthe

## List of Publications by Year in descending order

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Version: 2024-02-01

87  
papers

2,917  
citations

185998

28  
h-index

189595

50  
g-index

88  
all docs

88  
docs citations

88  
times ranked

2810  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological Earth observation with animal sensors. Trends in Ecology and Evolution, 2022, 37, 293-298.	4.2	49
2	Hotspots in the grid: Avian sensitivity and vulnerability to collision risk from energy infrastructure interactions in Europe and North Africa. Journal of Applied Ecology, 2022, 59, 1496-1512.	1.9	20
3	Bird migration in space and time: chain migration by Eurasian curlew <i>Numenius arquata arquata</i> along the East Atlantic Flyway. Journal of Avian Biology, 2022, 2022, .	0.6	5
4	Northern gannets ( <i>Morus bassanus</i> ) are strongly affected by operating offshore wind farms during the breeding season. Journal of Environmental Management, 2021, 279, 111509.	3.8	18
5	Post-fledging migration and wintering strategies of individual juvenile Lesser Black-backed Gulls ( <i>Larus delawarensis</i> ) Tj ETQq1 1 0,784314 rgBT /Ov	1.0	1
6	Migrating curlews on schedule: departure and arrival patterns of a long-distance migrant depend on time and breeding location rather than on wind conditions. Movement Ecology, 2021, 9, 9.	1.3	16
7	An Integrated Framework to Estimate Seabird Population Numbers and Trends. Journal of Wildlife Management, 2021, 85, 751-771.	0.7	6
8	Spatio-temporal movement patterns and habitat choice of red foxes ( <i>Vulpes vulpes</i> ) and racoon dogs ( <i>Nyctereutes procyonoides</i> ) along the Wadden Sea coast. European Journal of Wildlife Research, 2021, 67, 1.	0.7	7
9	Timing of spring departure of long distance migrants correlates with previous year's conditions at their breeding site. Biology Letters, 2021, 17, 20210331.	1.0	8
10	Risks to different populations and age classes of gannets from impacts of offshore wind farms in the southern North Sea. Marine Environmental Research, 2021, 171, 105457.	1.1	2
11	Suitability of herring gulls ( <i>Larus argentatus</i> ) as indicators for detecting intertidal bivalve beds in the Wadden Sea. Ecological Indicators, 2021, 129, 107947.	2.6	1
12	An indicator for assessing the status of marine-bird habitats affected by multiple human activities: A novel statistical approach. Ecological Indicators, 2021, 130, 108036.	2.6	3
13	Scavenger communities and fisheries waste: North Sea discards support 3 million seabirds, 2 million fewer than in 1990. Fish and Fisheries, 2020, 21, 132-145.	2.7	37
14	Distribution maps of cetacean and seabird populations in the North-East Atlantic. Journal of Applied Ecology, 2020, 57, 253-269.	1.9	60
15	Effects of offshore windfarms on seabird abundance: Strong effects in spring and in the breeding season. Marine Environmental Research, 2020, 162, 105157.	1.1	17
16	Breeding stage, not sex, affects foraging characteristics in masked boobies at Rapa Nui. Behavioral Ecology and Sociobiology, 2020, 74, 1.	0.6	7
17	Telemetry reveals strong effects of offshore wind farms on behaviour and habitat use of common guillemots ( <i>Uria aalge</i> ) during the breeding season. Marine Biology, 2020, 167, 1.	0.7	23
18	Ecological insights from three decades of animal movement tracking across a changing Arctic. Science, 2020, 370, 712-715.	6.0	75

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19	Foraging ecology of masked boobies ( <i>Sula dactylatra</i> ) in the world's largest oceanic desert. <i>Marine Biology</i> , 2020, 167, 1.	0.7	6
20	So far, so good! Similar fitness consequences and overall energetic costs for short and long-distance migrants in a seabird. <i>PLoS ONE</i> , 2020, 15, e0230262.	1.1	13
21	Foraging ecology of a marine top predator in the Eastern Tropical Pacific over 3 years with different ENSO phases. <i>Marine Biology</i> , 2020, 167, 1.	0.7	3
22	High foraging site fidelity and spatial segregation among individual great black-backed gulls. <i>Journal of Avian Biology</i> , 2019, 50, .	0.6	16
23	Modelling and predicting habitats for the neobiotic American razor clam <i>Ensis leei</i> in the Wadden Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 231, 106440.	0.9	6
24	Comparison of bivalve communities between moulting and wintering areas used by Common Scoter <i>Melanitta nigra</i> in the German North Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 229, 106398.	0.9	7
25	Impact of birds on intertidal food webs assessed with ecological network analysis. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 219, 107-119.	0.9	10
26	Modelling distribution of common scoter ( <i>Melanitta nigra</i> ) by its predominant prey, the American razor clam ( <i>Ensis leei</i> ) and hydrodynamic parameters. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 225, 106260.	0.9	12
27	A Ship Traffic Disturbance Vulnerability Index for Northwest European Seabirds as a Tool for Marine Spatial Planning. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	19
28	An invasive alien bivalve apparently provides a novel food source for moulting and wintering benthic feeding sea ducks. <i>Helgoland Marine Research</i> , 2019, 73, .	1.3	3
29	Operational offshore wind farms and associated ship traffic cause profound changes in distribution patterns of Loons ( <i>Gavia</i> spp.). <i>Journal of Environmental Management</i> , 2019, 231, 429-438.	3.8	48
30	Looking at the bigger picture: the importance of considering annual cycles in impact assessments illustrated in a migratory seabird species. <i>ICES Journal of Marine Science</i> , 2018, 75, 690-700.	1.2	11
31	Estimating flight heights of seabirds using optical rangefinders and GPS data loggers: a methodological comparison. <i>Marine Biology</i> , 2018, 165, 1.	0.7	20
32	Nocturnal flight activity of northern gannets <i>Morus bassanus</i> and implications for modelling collision risk at offshore wind farms. <i>Environmental Impact Assessment Review</i> , 2018, 73, 1-6.	4.4	4
33	Decreasing $\delta^{13}C$ and $\delta^{15}N$ values in four coastal species at different trophic levels indicate a fundamental food-web shift in the southern North and Baltic Seas between 1988 and 2016. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 461.	1.3	9
34	Intercolony variations in movement patterns and foraging behaviors among herring gulls ( <i>Larus</i> )	0.8	29
35	Adult Gannet migrations frequently loop clockwise around Britain and Ireland. <i>Ringing and Migration</i> , 2018, 33, 45-53.	0.2	4
36	A fundamental study revisited: Quantitative evidence for territory quality in oystercatchers ( <i>Haematopus ostralegus</i> ) using GPS data loggers. <i>Ecology and Evolution</i> , 2017, 7, 285-294.	0.8	5

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37	Possible impacts of offshore wind farms on seabirds: a pilot study in Northern Gannets in the southern North Sea. <i>Journal of Ornithology</i> , 2017, 158, 345-349.	0.5	29
38	The Coastal Observing System for Northern and Arctic Seas (COSYNA). <i>Ocean Science</i> , 2017, 13, 379-410.	1.3	67
39	Seabirds as samplers of the marine environment – a case study of northern gannets. <i>Ocean Science</i> , 2017, 13, 337-347.	1.3	8
40	Interaction between birds and macrofauna within food webs of six intertidal habitats of the Wadden Sea. <i>PLoS ONE</i> , 2017, 12, e0176381.	1.1	17
41	Varying foraging patterns in response to competition? A multicolony approach in a generalist seabird. <i>Ecology and Evolution</i> , 2016, 6, 974-986.	0.8	57
42	Combining bird-borne tracking and vessel monitoring system data to assess discard use by a scavenging marine predator, the lesser black-backed gull <i>Larus fuscus</i> . <i>Marine Biology</i> , 2016, 163, 1.	0.7	13
43	Seabirds and offshore wind farms in European waters: Avoidance and attraction. <i>Biological Conservation</i> , 2016, 202, 59-68.	1.9	76
44	East or west? Migration routes and wintering sites of Northern Gannets <i>Morus bassanus</i> from south-eastern Iceland. <i>Marine Biology</i> , 2016, 163, 1.	0.7	6
45	Modelling small-scale foraging habitat use in breeding Eurasian oystercatchers ( <i>Haematopus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2016, 320, 322-333.	1.2	22
46	Approaching population thresholds in presence of uncertainty: Assessing displacement of seabirds from offshore wind farms. <i>Environmental Impact Assessment Review</i> , 2016, 56, 31-42.	4.4	21
47	Terrestrial and Marine Foraging Strategies of an Opportunistic Seabird Species Breeding in the Wadden Sea. <i>PLoS ONE</i> , 2016, 11, e0159630.	1.1	35
48	Assessment of contaminant levels and trophic relations at a World Heritage Site by measurements in a characteristic shorebird species. <i>Environmental Research</i> , 2015, 136, 163-172.	3.7	2
49	Flexible foraging behaviour in a marine predator, the Masked booby ( <i>Sula dactylatra</i> ), according to foraging locations and environmental conditions. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 463, 79-86.	0.7	26
50	Spatial foraging segregation by close neighbours in a wide-ranging seabird. <i>Oecologia</i> , 2015, 177, 431-440.	0.9	29
51	The daily catch: Flight altitude and diving behavior of northern gannets feeding on Atlantic mackerel. <i>Journal of Sea Research</i> , 2014, 85, 456-462.	0.6	31
52	Forage fish, their fisheries, and their predators: who drives whom?. <i>ICES Journal of Marine Science</i> , 2014, 71, 90-104.	1.2	123
53	Weather-Related Winter Mortality of Eurasian Oystercatchers ( <i>Haematopus ostralegus</i> ) in the Northeastern Wadden Sea. <i>Waterbirds</i> , 2014, 37, 319-330.	0.2	15
54	What flight heights tell us about foraging and potential conflicts with wind farms: a case study in Lesser Black-backed Gulls ( <i>Larus fuscus</i> ). <i>Journal of Ornithology</i> , 2014, 155, 1037-1043.	0.5	24

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55	Effects of the alpha ventus offshore test site on distribution patterns, behaviour and flight heights of seabirds. , 2014, , 95-110.		7
56	The individual counts: within sex differences in foraging strategies are as important as sex-specific differences in masked boobies <i>Sula dactylatra</i> . Journal of Avian Biology, 2013, 44, 531-540.	0.6	26
57	Consequences of a cumulative perspective on marine environmental impacts: Offshore wind farming and seabirds at North Sea scale in context of the EU Marine Strategy Framework Directive. Ocean and Coastal Management, 2013, 71, 213-224.	2.0	45
58	Lesser black-backed gulls ( <i>Larus fuscus</i> ) consuming swimming crabs: An important link in the food web of the southern North Sea. Estuarine, Coastal and Shelf Science, 2013, 119, 71-78.	0.9	10
59	Tracking long-distance migration to assess marine pollution impact. Biology Letters, 2012, 8, 218-221.	1.0	48
60	Seabirds, set-nets, and conservation management: assessment of conflict potential and vulnerability of birds to bycatch in gillnets. ICES Journal of Marine Science, 2012, 69, 578-589.	1.2	33
61	Energy budgets reveal equal benefits of varied migration strategies in northern gannets. Marine Biology, 2012, 159, 1907-1915.	0.7	34
62	Meta-population evidence of oriented chain migration in northern gannets ( <i>Morus bassanus</i> ). Frontiers in Ecology and the Environment, 2012, 10, 237-242.	1.9	74
63	Tracking seabirds to identify ecologically important and high risk marine areas in the western North Atlantic. Biological Conservation, 2012, 156, 62-71.	1.9	87
64	Identifying ecologically important marine areas for seabirds using behavioural information in combination with distribution patterns. Biological Conservation, 2012, 156, 22-29.	1.9	52
65	Ecosystem based modeling and indication of ecological integrity in the German North Sea – Case study offshore wind parks. Ecological Indicators, 2011, 11, 168-174.	2.6	49
66	Effects of ship traffic on seabirds in offshore waters: implications for marine conservation and spatial planning. , 2011, 21, 1851-1860.		69
67	Inter-annual changes in prey fields trigger different foraging tactics in a large marine predator. Limnology and Oceanography, 2011, 56, 802-812.	1.6	55
68	Spatial and temporal patterns of habitat use by Eurasian oystercatchers ( <i>Haematopus ostralegus</i> ) in the eastern Wadden Sea revealed using GPS data loggers. Marine Biology, 2011, 158, 541-550.	0.7	20
69	Distribution and foraging behaviour of the Peruvian Booby ( <i>Sula variegata</i> ) off northern Chile. Journal of Ornithology, 2010, 151, 103-111.	0.5	22
70	Influence of water flow velocity, water depth and colony distance on distribution and foraging patterns of terns in the Wadden Sea. Fisheries Oceanography, 2009, 18, 161-172.	0.9	18
71	Bycatch in gillnet fisheries – An overlooked threat to waterbird populations. Biological Conservation, 2009, 142, 1269-1281.	1.9	128
72	Diet of red-throated divers <i>Gavia stellata</i> reflects the seasonal availability of Atlantic herring <i>Clupea harengus</i> in the southwestern Baltic Sea. Journal of Sea Research, 2009, 62, 268-275.	0.6	17

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73	Area utilization of gulls in a coastal farmland landscape: habitat mosaic supports niche segregation of opportunistic species. <i>Landscape Ecology</i> , 2008, 23, 355-367.	1.9	30
74	Regular habitat switch as an important feeding strategy of an opportunistic seabird species at the interface between land and sea. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 77, 12-22.	0.9	30
75	Flight destinations and foraging behaviour of northern gannets ( <i>Sula bassana</i> ) preying on a small forage fish in a low-Arctic ecosystem. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 311-320.	0.6	43
76	Diet studies of seabirds: a review and recommendations. <i>ICES Journal of Marine Science</i> , 2007, 64, 1675-1691.	1.2	376
77	Contrasting foraging tactics by northern gannets ( <i>Sula bassana</i> ) breeding in different oceanographic domains with different prey fields. <i>Marine Biology</i> , 2007, 151, 687-694.	0.7	81
78	Population trend over 100 years and conservation needs of breeding sandwich terns ( <i>Sterna bergii</i> ). <i>Journal of Applied Ecology</i> , 2004, 41, 724-734.	0.5	5
79	Possible Conflicts between Offshore Wind Farms and Seabirds in the German Sectors of North Sea and Baltic Sea. , 2006, , 121-143.		5
80	Scaling possible adverse effects of marine wind farms on seabirds: developing and applying a vulnerability index. <i>Journal of Applied Ecology</i> , 2004, 41, 724-734.	1.9	198
81	Diets of northern fulmar ( <i>Fulmarus glacialis</i> ) chicks in the northwest Atlantic Ocean. <i>Polar Biology</i> , 2004, 27, 277-280.	0.5	11
82	Temporal patterns of foraging activities of northern gannets, <i>Morus bassanus</i> , in the northwest Atlantic Ocean. <i>Canadian Journal of Zoology</i> , 2003, 81, 453-461.	0.4	29
83	Das Vorkommen ausgewählter See- und Küstenvogel vor Wangerooge während des Herbstzuges: der Einfluss von Windrichtung und Windstärke. <i>Journal Fur Ornithologie</i> , 2002, 143, 155-170.	1.2	1
84	Pursuit plunging by northern gannets ( <i>Sula bassana</i> ) "feeding on capelin ( <i>Mallotus villosus</i> )". <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 1717-1722.	1.2	97
85	Nocturnal Scavenging by Gulls in the Southern North Sea. <i>Waterbirds</i> , 1996, 19, 232.	0.4	21
86	Unusual pattern of skipped or shortened moulting of flight feathers in late-breeding Common Shelducks. <i>Journal of Ornithology</i> , 0, , .	0.5	3
87	Predicting Seabird Foraging Habitat for Conservation Planning in Atlantic Canada: Integrating Telemetry and Survey Data Across Thousands of Colonies. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	4