

# Bart A Nolet

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

132 papers	4,275 citations	37 h-index	60 g-index
135 ext. papers	4,873 ext. citations	4.3 avg, IF	5.43 L-index

#	Paper	IF	Citations
132	Postnatal growth rate varies with latitude in range-expanding geese: The role of plasticity and day length. <i>Journal of Animal Ecology</i> , <b>2021</b> ,	4.7	1
131	Migratory vertebrates shift migration timing and distributions in a warming Arctic. <i>Animal Migration</i> , <b>2021</b> , 8, 110-131	0.6	1
130	Predicting impacts of food competition, climate, and disturbance on a long-distance migratory herbivore. <i>Ecosphere</i> , <b>2021</b> , 12, e03405	3.1	2
129	Nesting attempts and success of Arctic-breeding geese can be derived with high precision from accelerometry and GPS-tracking. <i>Animal Biotelemetry</i> , <b>2021</b> , 9,	2.8	2
128	Predicting avian herbivore responses to changing food availability and competition. <i>Ecological Modelling</i> , <b>2021</b> , 441, 109421	3	2
127	Nocturnal foraging lifts time constraints in winter for migratory geese but hardly speeds up fueling. <i>Behavioral Ecology</i> , <b>2021</b> , 32, 539-552	2.3	4
126	Ontogenetic niche shifts as a driver of seasonal migration. <i>Oecologia</i> , <b>2020</b> , 193, 285-297	2.9	10
125	Concurrent shifts in wintering distribution and phenology in migratory swans: Individual and generational effects. <i>Global Change Biology</i> , <b>2020</b> , 26, 4263-4275	11.4	8
124	Contrasting effects of the onset of spring on reproductive success of Arctic-nesting geese. <i>Auk</i> , <b>2020</b> , 137,	2.1	9
123	Less is more: On-board lossy compression of accelerometer data increases biologging capacity. <i>Journal of Animal Ecology</i> , <b>2020</b> , 89, 237-247	4.7	12
122	Apparent breeding success drives long-term population dynamics of a migratory swan. <i>Journal of Avian Biology</i> , <b>2020</b> , 51,	1.9	6
121	Resting metabolic rate in migratory and non-migratory geese following range expansion: go south, go low. <i>Oikos</i> , <b>2019</b> , 128, 1424-1434	4	3
120	Flyway connectivity and exchange primarily driven by moult migration in geese. <i>Movement Ecology</i> , <b>2019</b> , 7, 3	4.6	11
119	Climate warming may affect the optimal timing of reproduction for migratory geese differently in the low and high Arctic. <i>Oecologia</i> , <b>2019</b> , 191, 1003-1014	2.9	7
118	A gloomy future for light-bellied brent geese in Tusenøane, Svalbard, under a changing predator regime. <i>Polar Research</i> , <b>2019</b> , 38,	2	2
117	Modeling water quality in the Anthropocene: directions for the next-generation aquatic ecosystem models. <i>Current Opinion in Environmental Sustainability</i> , <b>2019</b> , 36, 85-95	7.2	16
116	The roles of migratory and resident birds in local avian influenza infection dynamics. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 2963-2975	5.8	17

115	Shooting may aggravate rather than alleviate conflicts between migratory geese and agriculture. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 2653-2662	5.8	8
114	Agricultural pastures challenge the attractiveness of natural saltmarsh for a migratory goose. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 2707-2718	5.8	11
113	Maize stubble as foraging habitat for wintering geese and swans in northern Europe. <i>Agriculture, Ecosystems and Environment</i> , <b>2018</b> , 259, 72-76	5.7	8
112	Body stores persist as fitness correlate in a long-distance migrant released from food constraints. <i>Behavioral Ecology</i> , <b>2018</b> , 29, 1157-1166	2.3	9
111	Arctic Geese Tune Migration to a Warming Climate but Still Suffer from a Phenological Mismatch. <i>Current Biology</i> , <b>2018</b> , 28, 2467-2473.e4	6.3	45
110	Apparent survival of an Arctic-breeding migratory bird over 44 years of fluctuating population size. <i>Ibis</i> , <b>2018</b> , 160, 413-430	1.9	13
109	A mechanistic assessment of the relationship between gut morphology and endozoochorous seed dispersal by waterfowl. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 10857-10867	2.8	10
108	Effects of harness-attached tracking devices on survival, migration, and reproduction in three species of migratory waterfowl. <i>Animal Biotelemetry</i> , <b>2018</b> , 6,	2.8	12
107	Seed dispersal distributions resulting from landscape-dependent daily movement behaviour of a key vector species, <i>Anas platyrhynchos</i> . <i>Journal of Ecology</i> , <b>2017</b> , 105, 1279-1289	6	36
106	Forage plants of an Arctic-nesting herbivore show larger warming response in breeding than wintering grounds, potentially disrupting migration phenology. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 2652-2660	2.8	20
105	Potential for an Arctic-breeding migratory bird to adjust spring migration phenology to Arctic amplification. <i>Global Change Biology</i> , <b>2017</b> , 23, 4058-4067	11.4	27
104	Combining modelling tools to evaluate a goose management scheme. <i>Ambio</i> , <b>2017</b> , 46, 210-223	6.5	10
103	Movement patterns of a keystone waterbird species are highly predictable from landscape configuration. <i>Movement Ecology</i> , <b>2017</b> , 5, 2	4.6	21
102	Analyzing time-ordered event data with missed observations. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 7362-7369	2.8	5
101	Breeding in a den of thieves: pros and cons of nesting close to egg predators. <i>Ecosphere</i> , <b>2016</b> , 7, e01353	3.1	3
100	Neckband or backpack? Differences in tag design and their effects on GPS/accelerometer tracking results in large waterbirds. <i>Animal Biotelemetry</i> , <b>2016</b> , 4,	2.8	13
99	Predicting Effects of Water Regime Changes on Waterbirds: Insights from Staging Swans. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147340	3.7	6
98	Lack of virological and serological evidence for continued circulation of highly pathogenic avian influenza H5N8 virus in wild birds in the Netherlands, 14 November 2014 to 31 January 2016. <i>Eurosurveillance</i> , <b>2016</b> , 21,	19.8	25

97	The nature of plant adaptations to salinity stress has trophic consequences. <i>Oikos</i> , <b>2016</b> , 125, 804-811	4	8
96	Inter-annual variability and long-term trends in breeding success in a declining population of migratory swans. <i>Journal of Avian Biology</i> , <b>2016</b> , 47, 597-609	1.9	8
95	Towards a new understanding of migration timing: slower spring than autumn migration in geese reflects different decision rules for stopover use and departure. <i>Oikos</i> , <b>2016</b> , 125, 1496-1507	4	61
94	Environmental parameters linked to the last migratory stage of barnacle geese en route to their breeding sites. <i>Animal Behaviour</i> , <b>2016</b> , 118, 81-95	2.8	6
93	Locomotion during digestion changes current estimates of seed dispersal kernels by fish. <i>Functional Ecology</i> , <b>2016</b> , 30, 215-225	5.6	11
92	Scaring waterfowl as a management tool: how much more do geese forage after disturbance?. <i>Journal of Applied Ecology</i> , <b>2016</b> , 53, 1413-1421	5.8	20
91	Herbivory on freshwater and marine macrophytes: A review and perspective. <i>Aquatic Botany</i> , <b>2016</b> , 135, 18-36	1.8	131
90	Foraging behaviour and fuel accumulation of capital breeders during spring migration as derived from a combination of satellite- and ground-based observations. <i>Journal of Avian Biology</i> , <b>2016</b> , 47, 563-574	1.9	10
89	Weak negative associations between avian influenza virus infection and movement behaviour in a key host species, the mallard <i>Anas platyrhynchos</i> . <i>Oikos</i> , <b>2015</b> , 124, 1293-1303	4	25
88	Satellite- versus temperature-derived green wave indices for predicting the timing of spring migration of avian herbivores. <i>Ecological Indicators</i> , <b>2015</b> , 58, 322-331	5.8	16
87	What Can Stable Isotope Analysis of Top Predator Tissues Contribute to Monitoring of Tundra Ecosystems?. <i>Ecosystems</i> , <b>2015</b> , 18, 404-416	3.9	29
86	Experimental evidence for inherent Lévy search behaviour in foraging animals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20150424	4.4	43
85	Forecasting spring from afar? Timing of migration and predictability of phenology along different migration routes of an avian herbivore. <i>Journal of Animal Ecology</i> , <b>2015</b> , 84, 272-83	4.7	63
84	Bird-mediated seed dispersal: reduced digestive efficiency in active birds modulates the dispersal capacity of plant seeds. <i>Oikos</i> , <b>2015</b> , 124, 899-907	4	31
83	Deriving Animal Behaviour from High-Frequency GPS: Tracking Cows in Open and Forested Habitat. <i>PLoS ONE</i> , <b>2015</b> , 10, e0129030	3.7	30
82	Wild bird surveillance around outbreaks of highly pathogenic avian influenza A(H5N8) virus in the Netherlands, 2014, within the context of global flyways. <i>Eurosurveillance</i> , <b>2015</b> , 20,	19.8	81
81	Lower foraging efficiency of offspring constrains use of optimal habitat in birds with extended parental care. <i>Ibis</i> , <b>2014</b> , 156, 387-394	1.9	5
80	Experimental evidence for enhanced top-down control of freshwater macrophytes with nutrient enrichment. <i>Oecologia</i> , <b>2014</b> , 176, 825-36	2.9	23

79	The effect of herbivores on genotypic diversity in a clonal aquatic plant. <i>Oikos</i> , <b>2014</b> , 123, 1112-1120	4	6
78	Juveniles and migrants as drivers for seasonal epizootics of avian influenza virus. <i>Journal of Animal Ecology</i> , <b>2014</b> , 83, 266-75	4.7	84
77	Scatter hoarding and cache pilferage by superior competitors: an experiment with wild boar, <i>Sus scrofa</i> . <i>Animal Behaviour</i> , <b>2014</b> , 96, 107-115	2.8	14
76	How superdiffusion gets arrested: ecological encounters explain shift from Lévy to Brownian movement. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20132605	4.4	46
75	The exception to the rule: retreating ice front makes Bewick's swans <i>Cygnus columbianus bewickii</i> migrate slower in spring than in autumn. <i>Journal of Avian Biology</i> , <b>2014</b> , 45, 113-122	1.9	32
74	Migratory herbivorous waterfowl track satellite-derived green wave index. <i>PLoS ONE</i> , <b>2014</b> , 9, e108331	3.7	45
73	Underuse of stopover site by migratory swans. <i>Journal of Ornithology</i> , <b>2013</b> , 154, 695-703	1.5	4
72	Faltering lemming cycles reduce productivity and population size of a migratory Arctic goose species. <i>Journal of Animal Ecology</i> , <b>2013</b> , 82, 804-13	4.7	38
71	Aquatic plant shows flexible avoidance by escape from tuber predation by swans. <i>Basic and Applied Ecology</i> , <b>2012</b> , 13, 50-58	3.2	8
70	Habitat use throughout migration: linking individual consistency, prior breeding success and future breeding potential. <i>Journal of Animal Ecology</i> , <b>2012</b> , 81, 657-66	4.7	22
69	Individually tracked geese follow peaks of temperature acceleration during spring migration. <i>Oikos</i> , <b>2012</b> , 121, 655-664	4	83
68	Net Energy Intake Rate as a Common Currency to Explain Swan Spatial Distribution in a Shallow Lake. <i>Wetlands</i> , <b>2012</b> , 32, 119-127	1.7	10
67	Human disturbance of Bewick's Swans is reflected in giving-up net energy intake rate, but not in giving-up food density. <i>Ibis</i> , <b>2012</b> , 154, 781-790	1.9	14
66	Commensal Foraging with Bewick's Swans <i>Cygnus bewickii</i> Doubles Instantaneous Intake Rate of Common Pochards <i>Aythya ferina</i> . <i>Ardea</i> , <b>2012</b> , 100, 55-62	0.9	9
65	Ecophysiology of avian migration in the face of current global hazards. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 367, 1719-32	5.8	79
64	Boldness affects foraging decisions in barnacle geese: an experimental approach. <i>Behavioral Ecology</i> , <b>2012</b> , 23, 1155-1161	2.3	22
63	Mallards Feed Longer to Maintain Intake Rate under Competition on a Natural Food Distribution. <i>Ethology</i> , <b>2012</b> , 118, 169-177	1.7	7
62	Response to Comment on "Levy Walks Evolve Through Interaction Between Movement and Environmental Complexity". <i>Science</i> , <b>2012</b> , 335, 918-918	33.3	29

61	Reduced tuber banks of fennel pondweed due to summer grazing by waterfowl. <i>Aquatic Botany</i> , <b>2011</b> , 94, 24-28	1.8	12
60	A large-scale multi-species spatial depletion model for overwintering waterfowl. <i>Ecological Modelling</i> , <b>2011</b> , 222, 3773-3784	3	20
59	Ly walks evolve through interaction between movement and environmental complexity. <i>Science</i> , <b>2011</b> , 332, 1551-3	33.3	201
58	Cues and decision rules in animal migration <b>2011</b> , 68-87		46
57	Insights from the eco-physiological book of records: Bewick's swans outperform the canonical intake-maximizing vertebrate. <i>Oikos</i> , <b>2010</b> , 119, 1156-1160	4	8
56	How a bottom-dweller beats the canopy: inhibition of an aquatic weed ( <i>Potamogeton pectinatus</i> ) by macroalgae ( <i>Chara</i> spp.). <i>Freshwater Biology</i> , <b>2010</b> , 55, no-no	3.1	5
55	Personality predicts the use of social information. <i>Ecology Letters</i> , <b>2010</b> , 13, 829-37	10	119
54	The effect of personality on social foraging: shy barnacle geese scrounge more. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 277, 601-8	4.4	181
53	Differences in tolerance of pondweeds and charophytes to vertebrate herbivores in a shallow Baltic estuary. <i>Aquatic Botany</i> , <b>2010</b> , 93, 123-128	1.8	24
52	Nonlinear effects of food aggregation on interference competition in mallards. <i>Behavioral Ecology and Sociobiology</i> , <b>2010</b> , 64, 1897-1904	2.5	13
51	Above- and below-ground vertebrate herbivory may each favour a different subordinate species in an aquatic plant community. <i>Oecologia</i> , <b>2010</b> , 162, 199-208	2.9	26
50	Cryptic interference competition in swans foraging on cryptic prey. <i>Animal Behaviour</i> , <b>2010</b> , 80, 791-797	2.8	18
49	Effect of macrophyte community composition and nutrient enrichment on plant biomass and algal blooms. <i>Basic and Applied Ecology</i> , <b>2010</b> , 11, 432-439	3.2	70
48	Compensatory growth in an aquatic plant mediates exploitative competition between seasonally tied herbivores. <i>Ecology</i> , <b>2009</b> , 90, 1891-9	4.6	25
47	What decision rules might pink-footed geese use to depart on migration? An individual-based model. <i>Behavioral Ecology</i> , <b>2009</b> , 20, 560-569	2.3	68
46	Retrodicting patch use by foraging swans in a heterogeneous environment using a set of functional responses. <i>Oikos</i> , <b>2009</b> , 118, 431-439	4	24
45	Burial depth distribution of fennel pondweed tubers ( <i>Potamogeton pectinatus</i> ) in relation to foraging by Bewick's swans. <i>Aquatic Botany</i> , <b>2009</b> , 90, 321-327	1.8	8
44	Stoichiometry of endothermy: shifting the quest from nitrogen to carbon. <i>Ecology Letters</i> , <b>2008</b> , 11, 785-92	1.2	22

43	PERSISTENCE OF SPATIAL VARIANCE AND SPATIAL PATTERN IN THE ABUNDANCE OF A SUBMERGED PLANT. <i>Ecology</i> , <b>2008</b> , 89, 2973-2979	4.6	10
42	Habitat Quality Estimated from Head-Dipping Time in Trampling Swans. <i>Israel Journal of Ecology and Evolution</i> , <b>2007</b> , 53, 317-328	0.8	6
41	Prior knowledge about spatial pattern affects patch assessment rather than movement between patches in tactile-feeding mallard. <i>Journal of Animal Ecology</i> , <b>2007</b> , 76, 20-9	4.7	21
40	The role of herbivorous water birds in aquatic systems through interactions with aquatic macrophytes, with special reference to the Bewick's Swan - Fennel Pondweed system. <i>Hydrobiologia</i> , <b>2007</b> , 584, 205-213	2.4	23
39	The role of herbivorous water birds in aquatic systems through interactions with aquatic macrophytes, with special reference to the Bewick's Swan - Fennel Pondweed system <b>2007</b> , 205-213		
38	Movement of foraging Tundra Swans explained by spatial pattern in cryptic food densities. <i>Ecology</i> , <b>2006</b> , 87, 2244-54	4.6	43
37	Simulated winter browsing may lead to induced susceptibility of willows to beavers in spring. <i>Canadian Journal of Zoology</i> , <b>2006</b> , 84, 1733-1742	1.5	11
36	Time and energy constraints: reply to comments by Jeschke et al. <i>Oikos</i> , <b>2006</b> , 114, 555-555	4	
35	Optimal movement between patches under incomplete information about the spatial distribution of food items. <i>Theoretical Population Biology</i> , <b>2006</b> , 70, 452-63	1.2	32
34	The use of a flexible patch leaving rule under exploitative competition: a field test with swans. <i>Oikos</i> , <b>2006</b> , 112, 342-352	4	20
33	Intake rate at differently scaled heterogeneous food distributions explained by the ability of tactile-foraging mallard to concentrate foraging effort within profitable areas. <i>Oikos</i> , <b>2006</b> , 112, 322-334	4	16
32	Foraging costs and accessibility as determinants of giving-up densities in a swan-pondweed system. <i>Oikos</i> , <b>2006</b> , 112, 353-362	4	49
31	Prediction of bird-day carrying capacity on a staging site: a test of depletion models. <i>Journal of Animal Ecology</i> , <b>2006</b> , 75, 1285-92	4.7	40
30	Digestive plasticity in Mallard ducks modulates dispersal probabilities of aquatic plants and crustaceans. <i>Functional Ecology</i> , <b>2005</b> , 19, 513-519	5.6	52
29	Slow growth of a translocated beaver population partly due to a climatic shift in food quality. <i>Oikos</i> , <b>2005</b> , 111, 632-640	4	10
28	Time and energy constraints in demanding phases of the annual cycle: an example of time limitation in refuelling migratory swans. <i>Oikos</i> , <b>2005</b> , 111, 302-310	4	28
27	Territory and group sizes in Eurasian beavers ( <i>Castor fiber</i> ): echoes of settlement and reproduction?. <i>Behavioral Ecology and Sociobiology</i> , <b>2005</b> , 58, 597-607	2.5	61
26	The impact of climate change on lakes in the Netherlands: a review. <i>Aquatic Ecology</i> , <b>2005</b> , 39, 381-400	1.9	223



25	Overcompensation and grazing optimisation in a swan-pondweed system?. <i>Freshwater Biology</i> , <b>2004</b> , 49, 1391-1399	3.1	37
24	Migrating swans profit from favourable changes in wind conditions at low altitude. <i>Journal Fur Ornithologie</i> , <b>2004</b> , 145, 142-151		22
23	Seasonal herbivory and mortality compensation in a swan-pondweed system. <i>Ecological Modelling</i> , <b>2002</b> , 147, 209-219	3	39
22	Search paths of swans foraging on spatially autocorrelated tubers. <i>Journal of Animal Ecology</i> , <b>2002</b> , 71, 451-462	4.7	75
21	Habitat switching by Bewick's swans: maximization of average long-term energy gain?. <i>Journal of Animal Ecology</i> , <b>2002</b> , 71, 979-993	4.7	86
20	Efficiency as a foraging currency in animals attaining a gain below the energetic ceiling. <i>Behavioral Ecology</i> , <b>2002</b> , 13, 571-574	2.3	8
19	Long-distance endozoochorous dispersal of submerged macrophyte seeds by migratory waterbirds in northern Europe- critical review of possibilities and limitations. <i>Acta Oecologica</i> , <b>2002</b> , 23, 191-203	1.7	125
18	Significance of the White Sea as a stopover for Bewick's Swans <i>Cygnus columbianus bewickii</i> in spring. <i>Ibis</i> , <b>2001</b> , 143, 63-71	1.9	22
17	SPATIAL VARIATION IN TUBER DEPLETION BY SWANS EXPLAINED BY DIFFERENCES IN NET INTAKE RATES. <i>Ecology</i> , <b>2001</b> , 82, 1655-1667	4.6	72
16	SPATIAL VARIATION IN TUBER DEPLETION BY SWANS EXPLAINED BY DIFFERENCES IN NET INTAKE RATES <b>2001</b> , 82, 1655		2
15	Comeback of the beaver <i>Castor fiber</i> : An overview of old and new conservation problems. <i>Biological Conservation</i> , <b>1998</b> , 83, 165-173	6.2	143
14	Bewick's Swans Refuelling on Pondweed Tubers in the Dvina Bay (White Sea) during Their Spring Migration: First Come, First Served. <i>Journal of Avian Biology</i> , <b>1998</b> , 29, 574	1.9	54
13	Infectious diseases as main causes of mortality to beavers <i>Castor fiber</i> after translocation to the Netherlands. <i>Journal of Zoology</i> , <b>1997</b> , 241, 35-42	2	23
12	Factors Affecting Scent-Marking Behavior in Eurasian Beaver ( <i>Castor fiber</i> ). <i>Journal of Chemical Ecology</i> , <b>1997</b> , 23, 673-689	2.7	40
11	Development and viability of a translocated beaver <i>Castor fiber</i> population in The Netherlands. <i>Biological Conservation</i> , <b>1996</b> , 75, 125-137	6.2	35
10	A Linear Programming Model of Diet Choice of Free-Living Beavers. <i>Animal Biology</i> , <b>1994</b> , 45, 315-337		10
9	Cadmium in beavers translocated from the Elbe River to the Rhine/Meuse estuary, and the possible effect on population growth rate. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1994</b> , 27, 154-61	3.2	28
8	Territoriality and time budgets in beavers during sequential settlement. <i>Canadian Journal of Zoology</i> , <b>1994</b> , 72, 1227-1237	1.5	85



7	Selective foraging on woody species by the beaver <i>Castor fiber</i> , and its impact on a riparian willow forest. <i>Biological Conservation</i> , <b>1994</b> , 70, 117-128	6.2	59
6	Hunting yield and daily food intake of a lactating otter ( <i>Lutra lutra</i> ) in Shetland. <i>Journal of Zoology</i> , <b>1994</b> , 233, 326-331	2	3
5	Diving of Otters ( <i>Lutra lutra</i> ) in a Marine Habitat: Use of Depths by a Single-Prey Loader. <i>Journal of Animal Ecology</i> , <b>1993</b> , 62, 22	4.7	42
4	Estimation of Daily Energy Expenditure from Heart Rate and Doubly Labeled Water in Exercising Geese. <i>Physiological Zoology</i> , <b>1992</b> , 65, 1188-1216		80
3	Costs of swimming measured at optimum speed: scale effects, differences between swimming styles, taxonomic groups and submerged and surface swimming. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , <b>1990</b> , 97, 91-9		85
2	Grooming and resting of otters <i>Lutra lutra</i> in a marine habitat. <i>Journal of Zoology</i> , <b>1989</b> , 218, 433-440	2	15
1	Acceleration as a proxy for energy expenditure in a facultative-soaring bird: comparing dynamic body acceleration and time-energy budgets to heart rate. <i>Functional Ecology</i> ,	5.6	1