Bart A Nolet

List of Publications by Citations

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	The impact of climate change on lakes in the Netherlands: a review. *Aquatic Ecology*, **2005**, 39, 381-400	1.9	223
131	L□y walks evolve through interaction between movement and environmental complexity. *Science*, **2011**, 332, 1551-3	33.3	201
130	The effect of personality on social foraging: shy barnacle geese scrounge more. *Proceedings of the Royal Society B: Biological Sciences*, **2010**, 277, 601-8	4.4	181
129	Comeback of the beaver Castor fiber: An overview of old and new conservation problems. *Biological Conservation*, **1998**, 83, 165-173	6.2	143
128	Herbivory on freshwater and marine macrophytes: A review and perspective. *Aquatic Botany*, **2016**, 135, 18-36	1.8	131
127	Long-distance endozoochorous dispersal of submerged macrophyte seeds by migratory waterbirds in northern Europe□ critical review of possibilities and limitations. *Acta Oecologica*, **2002**, 23, 191-203	1.7	125
126	Personality predicts the use of social information. *Ecology Letters*, **2010**, 13, 829-37	10	119
125	Habitat switching by Bewick's swans: maximization of average long-term energy gain?. *Journal of Animal Ecology*, **2002**, 71, 979-993	4.7	86
124	Territoriality and time budgets in beavers during sequential settlement. *Canadian Journal of Zoology*, **1994**, 72, 1227-1237	1.5	85
123	Costs of swimming measured at optimum speed: scale effects, differences between swimming styles, taxonomic groups and submerged and surface swimming. *Comparative Biochemistry and Physiology A, Comparative Physiology*, **1990**, 97, 91-9		85
122	Juveniles and migrants as drivers for seasonal epizootics of avian influenza virus. *Journal of Animal Ecology*, **2014**, 83, 266-75	4.7	84
121	Individually tracked geese follow peaks of temperature acceleration during spring migration. *Oikos*, **2012**, 121, 655-664	4	83
120	Wild bird surveillance around outbreaks of highly pathogenic avian influenza A(H5N8) virus in the Netherlands, 2014, within the context of global flyways. *Eurosurveillance*, **2015**, 20,	19.8	81
119	Estimation of Daily Energy Expenditure from Heart Rate and Doubly Labeled Water in Exercising Geese. *Physiological Zoology*, **1992**, 65, 1188-1216		80
118	Ecophysiology of avian migration in the face of current global hazards. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 1719-32	5.8	79
117	Search paths of swans foraging on spatially autocorrelated tubers. *Journal of Animal Ecology*, **2002**, 71, 451-462	4.7	75
116	SPATIAL VARIATION IN TUBER DEPLETION BY SWANS EXPLAINED BY DIFFERENCES IN NET INTAKE RATES. *Ecology*, **2001**, 82, 1655-1667	4.6	72

115	Effect of macrophyte community composition and nutrient enrichment on plant biomass and algal blooms. *Basic and Applied Ecology*, **2010**, 11, 432-439	3.2	70
114	What decision rules might pink-footed geese use to depart on migration? An individual-based model. *Behavioral Ecology*, **2009**, 20, 560-569	2.3	68
113	Forecasting spring from afar? Timing of migration and predictability of phenology along different migration routes of an avian herbivore. *Journal of Animal Ecology*, **2015**, 84, 272-83	4.7	63
112	Territory and group sizes in Eurasian beavers (Castor fiber): echoes of settlement and reproduction?. *Behavioral Ecology and Sociobiology*, **2005**, 58, 597-607	2.5	61
111	Towards a new understanding of migration timing: slower spring than autumn migration in geese reflects different decision rules for stopover use and departure. *Oikos*, **2016**, 125, 1496-1507	4	61
110	Selective foraging on woody species by the beaver Castor fiber, and its impact on a riparian willow forest. *Biological Conservation*, **1994**, 70, 117-128	6.2	59
109	Bewick's Swans Refuelling on Pondweed Tubers in the Dvina Bay (White Sea) during Their Spring Migration: First Come, First Served. *Journal of Avian Biology*, **1998**, 29, 574	1.9	54
108	Digestive plasticity in Mallard ducks modulates dispersal probabilities of aquatic plants and crustaceans. *Functional Ecology*, **2005**, 19, 513-519	5.6	52
107	Foraging costs and accessibility as determinants of giving-up densities in a swan-pondweed system. *Oikos*, **2006**, 112, 353-362	4	49
106	How superdiffusion gets arrested: ecological encounters explain shift from Lévy to Brownian movement. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20132605	4.4	46
105	Cues and decision rules in animal migration **2011**, 68-87		46
104	Arctic Geese Tune Migration to a Warming Climate but Still Suffer from a Phenological Mismatch. *Current Biology*, **2018**, 28, 2467-2473.e4	6.3	45
103	Migratory herbivorous waterfowl track satellite-derived green wave index. *PLoS ONE*, **2014**, 9, e108331	3.7	45
102	Experimental evidence for inherent Lévy search behaviour in foraging animals. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20150424	4.4	43
101	Movement of foraging Tundra Swans explained by spatial pattern in cryptic food densities. *Ecology*, **2006**, 87, 2244-54	4.6	43
100	Diving of Otters (Lutra lutra) in a Marine Habitat: Use of Depths by a Single-Prey Loader. *Journal of Animal Ecology*, **1993**, 62, 22	4.7	42
99	Factors Affecting Scent-Marking Behavior in Eurasian Beaver (Castor fiber). *Journal of Chemical Ecology*, **1997**, 23, 673-689	2.7	40
98	Prediction of bird-day carrying capacity on a staging site: a test of depletion models. *Journal of Animal Ecology*, **2006**, 75, 1285-92	4.7	40

97	Seasonal herbivory and mortality compensation in a swanþondweed system. *Ecological Modelling*, **2002**, 147, 209-219	3	39
96	Faltering lemming cycles reduce productivity and population size of a migratory Arctic goose species. *Journal of Animal Ecology*, **2013**, 82, 804-13	4.7	38
95	Overcompensation and grazing optimisation in a swanþondweed system?. *Freshwater Biology*, **2004**, 49, 1391-1399	3.1	37
94	Seed dispersal distributions resulting from landscape-dependent daily movement behaviour of a key vector species, Anas platyrhynchos. *Journal of Ecology*, **2017**, 105, 1279-1289	6	36
93	Development and viability of a translocated beaver Castor fiber population in The Netherlands. *Biological Conservation*, **1996**, 75, 125-137	6.2	35
92	The exception to the rule: retreating ice front makes Bewick's swans Cygnus columbianus bewickii migrate slower in spring than in autumn. *Journal of Avian Biology*, **2014**, 45, 113-122	1.9	32
91	Optimal movement between patches under incomplete information about the spatial distribution of food items. *Theoretical Population Biology*, **2006**, 70, 452-63	1.2	32
90	Bird-mediated seed dispersal: reduced digestive efficiency in active birds modulates the dispersal capacity of plant seeds. *Oikos*, **2015**, 124, 899-907	4	31
89	Deriving Animal Behaviour from High-Frequency GPS: Tracking Cows in Open and Forested Habitat. *PLoS ONE*, **2015**, 10, e0129030	3.7	30
88	What Can Stable Isotope Analysis of Top Predator Tissues Contribute to Monitoring of Tundra Ecosystems?. *Ecosystems*, **2015**, 18, 404-416	3.9	29
87	Response to Comment on "Levy Walks Evolve Through Interaction Between Movement and Environmental Complexity". *Science*, **2012**, 335, 918-918	33.3	29
86	Time and energy constraints in demanding phases of the annual cycle: an example of time limitation in refuelling migratory swans. *Oikos*, **2005**, 111, 302-310	4	28
85	Cadmium in beavers translocated from the Elbe River to the Rhine/Meuse estuary, and the possible effect on population growth rate. *Archives of Environmental Contamination and Toxicology*, **1994**, 27, 154-61	3.2	28
84	Potential for an Arctic-breeding migratory bird to adjust spring migration phenology to Arctic amplification. *Global Change Biology*, **2017**, 23, 4058-4067	11.4	27
83	Above- and below-ground vertebrate herbivory may each favour a different subordinate species in an aquatic plant community. *Oecologia*, **2010**, 162, 199-208	2.9	26
82	Weak negative associations between avian influenza virus infection and movement behaviour in a key host species, the mallard Anas platyrhynchos. *Oikos*, **2015**, 124, 1293-1303	4	25
81	Compensatory growth in an aquatic plant mediates exploitative competition between seasonally tied herbivores. *Ecology*, **2009**, 90, 1891-9	4.6	25
80	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. *Eurosurveillance*, **2016**, 21,	19.8	25

79	Differences in tolerance of pondweeds and charophytes to vertebrate herbivores in a shallow Baltic estuary. *Aquatic Botany*, **2010**, 93, 123-128	1.8	24
78	Retrodicting patch use by foraging swans in a heterogeneous environment using a set of functional responses. *Oikos*, **2009**, 118, 431-439	4	24
77	Experimental evidence for enhanced top-down control of freshwater macrophytes with nutrient enrichment. *Oecologia*, **2014**, 176, 825-36	2.9	23
76	Infectious diseases as main causes of mortality to beavers Castor fiber after translocation to the Netherlands. *Journal of Zoology*, **1997**, 241, 35-42	2	23
75	The role of herbivorous water birds in aquatic systems through interactions with aquatic macrophytes, with special reference to the Bewick Swan Fennel Pondweed system. *Hydrobiologia*, **2007**, 584, 205-213	2.4	23
74	Habitat use throughout migration: linking individual consistency, prior breeding success and future breeding potential. *Journal of Animal Ecology*, **2012**, 81, 657-66	4.7	22
73	Boldness affects foraging decisions in barnacle geese: an experimental approach. *Behavioral Ecology*, **2012**, 23, 1155-1161	2.3	22
72	Stoichiometry of endothermy: shifting the quest from nitrogen to carbon. *Ecology Letters*, **2008**, 11, 785-92	22	22
71	Migrating swans profit from favourable changes in wind conditions at low altitude. *Journal Fur Ornithologie*, **2004**, 145, 142-151		22
70	Significance of the White Sea as a stopover for Bewick's Swans Cygnus columbianus bewickii in spring. *Ibis*, **2001**, 143, 63-71	1.9	22
69	Movement patterns of a keystone waterbird species are highly predictable from landscape configuration. *Movement Ecology*, **2017**, 5, 2	4.6	21
68	Prior knowledge about spatial pattern affects patch assessment rather than movement between patches in tactile-feeding mallard. *Journal of Animal Ecology*, **2007**, 76, 20-9	4.7	21
67	Forage plants of an Arctic-nesting herbivore show larger warming response in breeding than wintering grounds, potentially disrupting migration phenology. *Ecology and Evolution*, **2017**, 7, 2652-2660	2.8	20
66	A large-scale multi-species spatial depletion model for overwintering waterfowl. *Ecological Modelling*, **2011**, 222, 3773-3784	3	20
65	The use of a flexible patch leaving rule under exploitative competition: a field test with swans. *Oikos*, **2006**, 112, 342-352	4	20
64	Scaring waterfowl as a management tool: how much more do geese forage after disturbance?. *Journal of Applied Ecology*, **2016**, 53, 1413-1421	5.8	20
63	Cryptic interference competition in swans foraging on cryptic prey. *Animal Behaviour*, **2010**, 80, 791-797	2.8	18
62	The roles of migratory and resident birds in local avian influenza infection dynamics. *Journal of Applied Ecology*, **2018**, 55, 2963-2975	5.8	17

61	Satellite- versus temperature-derived green wave indices for predicting the timing of spring migration of avian herbivores. *Ecological Indicators*, **2015**, 58, 322-331	5.8	16
60	Intake rate at differently scaled heterogeneous food distributions explained by the ability of tactile-foraging mallard to concentrate foraging effort within profitable areas. *Oikos*, **2006**, 112, 322-331	4	16
59	Modeling water quality in the Anthropocene: directions for the next-generation aquatic ecosystem models. *Current Opinion in Environmental Sustainability*, **2019**, 36, 85-95	7.2	16
58	Grooming and resting of otters Lutra lutra in a marine habitat. *Journal of Zoology*, **1989**, 218, 433-440	2	15
57	Scatter hoarding and cache pilferage by superior competitors: an experiment with wild boar, Sus scrofa. *Animal Behaviour*, **2014**, 96, 107-115	2.8	14
56	Human disturbance of Bewick's Swans is reflected in giving-up net energy intake rate, but not in giving-up food density. *Ibis*, **2012**, 154, 781-790	1.9	14
55	Neckband or backpack? Differences in tag design and their effects on GPS/accelerometer tracking results in large waterbirds. *Animal Biotelemetry*, **2016**, 4,	2.8	13
54	Nonlinear effects of food aggregation on interference competition in mallards. *Behavioral Ecology and Sociobiology*, **2010**, 64, 1897-1904	2.5	13
53	Apparent survival of an Arctic-breeding migratory bird over 44´years of fluctuating population size. *Ibis*, **2018**, 160, 413-430	1.9	13
52	Reduced tuber banks of fennel pondweed due to summer grazing by waterfowl. *Aquatic Botany*, **2011**, 94, 24-28	1.8	12
51	Less is more: On-board lossy compression of accelerometer data increases biologging capacity. *Journal of Animal Ecology*, **2020**, 89, 237-247	4.7	12
50	Effects of harness-attached tracking devices on survival, migration, and reproduction in three species of migratory waterfowl. *Animal Biotelemetry*, **2018**, 6,	2.8	12
49	Flyway connectivity and exchange primarily driven by moult migration in geese. *Movement Ecology*, **2019**, 7, 3	4.6	11
48	Agricultural pastures challenge the attractiveness of natural saltmarsh for a migratory goose. *Journal of Applied Ecology*, **2018**, 55, 2707-2718	5.8	11
47	Simulated winter browsing may lead to induced susceptibility of willows to beavers in spring. *Canadian Journal of Zoology*, **2006**, 84, 1733-1742	1.5	11
46	Locomotion during digestion changes current estimates of seed dispersal kernels by fish. *Functional Ecology*, **2016**, 30, 215-225	5.6	11
45	Ontogenetic niche shifts as a driver of seasonal migration. *Oecologia*, **2020**, 193, 285-297	2.9	10
44	Net Energy Intake Rate as a Common Currency to Explain Swan Spatial Distribution in a Shallow Lake. *Wetlands*, **2012**, 32, 119-127	1.7	10

43	Combining modelling tools to evaluate a goose management scheme. *Ambio*, **2017**, 46, 210-223	6.5	10
42	PERSISTENCE OF SPATIAL VARIANCE AND SPATIAL PATTERN IN THE ABUNDANCE OF A SUBMERGED PLANT. *Ecology*, **2008**, 89, 2973-2979	4.6	10
41	Slow growth of a translocated beaver population partly due to a climatic shift in food quality. *Oikos*, **2005**, 111, 632-640	4	10
40	A Linear Programming Model of Diet Choice of Free-Living Beavers. *Animal Biology*, **1994**, 45, 315-337		10
39	Foraging behaviour and fuel accumulation of capital breeders during spring migration as derived from a combination of satellite- and ground-based observations. *Journal of Avian Biology*, **2016**, 47, 563-574	1.9	10
38	A mechanistic assessment of the relationship between gut morphology and endozoochorous seed dispersal by waterfowl. *Ecology and Evolution*, **2018**, 8, 10857-10867	2.8	10
37	Body stores persist as fitness correlate in a long-distance migrant released from food constraints. *Behavioral Ecology*, **2018**, 29, 1157-1166	2.3	9
36	Commensal Foraging with Bewick's SwansCygnus bewickiiDoubles Instantaneous Intake Rate of Common PochardsAythya ferina. *Ardea*, **2012**, 100, 55-62	0.9	9
35	Contrasting effects of the onset of spring on reproductive success of Arctic-nesting geese. *Auk*, **2020**, 137,	2.1	9
34	Concurrent shifts in wintering distribution and phenology in migratory swans: Individual and generational effects. *Global Change Biology*, **2020**, 26, 4263-4275	11.4	8
33	Shooting may aggravate rather than alleviate conflicts between migratory geese and agriculture. *Journal of Applied Ecology*, **2018**, 55, 2653-2662	5.8	8
32	Maize stubble as foraging habitat for wintering geese and swans in northern Europe. *Agriculture, Ecosystems and Environment*, **2018**, 259, 72-76	5.7	8
31	Aquatic plant shows flexible avoidance by escape from tuber predation by swans. *Basic and Applied Ecology*, **2012**, 13, 50-58	3.2	8
30	Insights from the eco-physiological book of records: Bewick's swans outperform the canonical intake-maximizing vertebrate. *Oikos*, **2010**, 119, 1156-1160	4	8
29	Burial depth distribution of fennel pondweed tubers (Potamogeton pectinatus) in relation to foraging by Bewick's swans. *Aquatic Botany*, **2009**, 90, 321-327	1.8	8
28	Efficiency as a foraging currency in animals attaining a gain below the energetic ceiling. *Behavioral Ecology*, **2002**, 13, 571-574	2.3	8
27	The nature of plant adaptations to salinity stress has trophic consequences. *Oikos*, **2016**, 125, 804-811	4	8
26	Inter-annual variability and long-term trends in breeding success in a declining population of migratory swans. *Journal of Avian Biology*, **2016**, 47, 597-609	1.9	8

25	Climate warming may affect the optimal timing of reproduction for migratory geese differently in the low and high Arctic. *Oecologia*, **2019**, 191, 1003-1014	2.9	7
24	Mallards Feed Longer to Maintain Intake Rate under Competition on a Natural Food Distribution. *Ethology*, **2012**, 118, 169-177	1.7	7
23	The effect of herbivores on genotypic diversity in a clonal aquatic plant. *Oikos*, **2014**, 123, 1112-1120	4	6
22	Habitat Quality Estimated from Head-Dipping Time in Trampling Swans. *Israel Journal of Ecology and Evolution*, **2007**, 53, 317-328	0.8	6
21	Predicting Effects of Water Regime Changes on Waterbirds: Insights from Staging Swans. *PLoS ONE* , **2016**, 11, e0147340	3.7	6
20	Apparent breeding success drives long-term population dynamics of a migratory swan. *Journal of Avian Biology*, **2020**, 51,	1.9	6
19	Environmental parameters linked to the last migratory stage of barnacle geese en route to their breeding sites. *Animal Behaviour*, **2016**, 118, 81-95	2.8	6
18	Lower foraging efficiency of offspring constrains use of optimal habitat in birds with extended parental care. *Ibis*, **2014**, 156, 387-394	1.9	5
17	Analyzing time-ordered event data with missed observations. *Ecology and Evolution*, **2017**, 7, 7362-7369	2.8	5
16	How a bottom-dweller beats the canopy: inhibition of an aquatic weed (Potamogeton pectinatus) by macroalgae (Chara spp.). *Freshwater Biology*, **2010**, 55, no-no	3.1	5
15	Underuse of stopover site by migratory swans. *Journal of Ornithology*, **2013**, 154, 695-703	1.5	4
14	Nocturnal foraging lifts time constraints in winter for migratory geese but hardly speeds up fueling. *Behavioral Ecology*, **2021**, 32, 539-552	2.3	4
13	Resting metabolic rate in migratory and non-migratory geese following range expansion: go south, go low. *Oikos*, **2019**, 128, 1424-1434	4	3
12	Breeding in a den of thieves: pros and cons of nesting close to egg predators. *Ecosphere*, **2016**, 7, e01353	3.1	3
11	Hunting yield and daily food intake of a lactating otter (Lutra lutra) in Shetland. *Journal of Zoology*, **1994**, 233, 326-331	2	3
10	SPATIAL VARIATION IN TUBER DEPLETION BY SWANS EXPLAINED BY DIFFERENCES IN NET INTAKE RATES **2001**, 82, 1655		2
9	A gloomy future for light-bellied brent geese in Tusenøane, Svalbard, under a changing predator regime. *Polar Research*, **2019**, 38,	2	2
8	Predicting impacts of food competition, climate, and disturbance on a long-distance migratory herbivore. *Ecosphere*, **2021**, 12, e03405	3.1	2

7	Nesting attempts and success of Arctic-breeding geese can be derived with high precision from accelerometry and GPS-tracking. *Animal Biotelemetry*, **2021**, 9,	2.8	2
6	Predicting avian herbivore responses to changing food availability and competition. *Ecological Modelling*, **2021**, 441, 109421	3	2
5	Postnatal growth rate varies with latitude in range-expanding geese: The role of plasticity and day length. *Journal of Animal Ecology*, **2021**,	4.7	1
4	Migratory vertebrates shift migration timing and distributions in a warming Arctic. *Animal Migration* , **2021**, 8, 110-131	0.6	1
3	Acceleration as a proxy for energy expenditure in a facultative-soaring bird: comparing dynamic body acceleration and time-energy budgets to heart rate. *Functional Ecology*,	5.6	1
2	Time and energy constraints: reply to comments by Jeschke et al. *Oikos*, **2006**, 114, 555-555	4	
1	The role of herbivorous water birds in aquatic systems through interactions with aquatic macrophytes, with special reference to the Bewick Swan Fennel Pondweed system **2007**, 205-213		