

# Niels Martin Schmidt

## List of Publications by Citations

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152  
papers

8,920  
citations

39  
h-index

92  
g-index

166  
ext. papers

10,864  
ext. citations

5.8  
avg. IF

5.65  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 152 | The role of biotic interactions in shaping distributions and realised assemblages of species: implications for species distribution modelling. <i>Biological Reviews</i> , <b>2013</b> , 88, 15-30                                   | 13.5 | 931       |
| 151 | Ecological dynamics across the Arctic associated with recent climate change. <i>Science</i> , <b>2009</b> , 325, 1355-8  | 33.3 | 860       |
| 150 | Shrub expansion in tundra ecosystems: dynamics, impacts and research priorities. <i>Environmental Research Letters</i> , <b>2011</b> , 6, 045509   | 6.2  | 802       |
| 149 | Global assessment of experimental climate warming on tundra vegetation: heterogeneity over space and time. <i>Ecology Letters</i> , <b>2012</b> , 15, 164-75   | 10   | 616       |
| 148 | Plot-scale evidence of tundra vegetation change and links to recent summer warming. <i>Nature Climate Change</i> , <b>2012</b> , 2, 453-457  | 21.4 | 587       |
| 147 | Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. <i>Science</i> , <b>2018</b> , 359, 466-469  | 33.3 | 474       |
| 146 | Climate sensitivity of shrub growth across the tundra biome. <i>Nature Climate Change</i> , <b>2015</b> , 5, 887-891   | 21.4 | 347       |
| 145 | Key indicators of Arctic climate change: 1971-2017. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 045010   | 6.2  | 260       |
| 144 | Rapid advancement of spring in the High Arctic. <i>Current Biology</i> , <b>2007</b> , 17, R449-51   | 6.3  | 223       |
| 143 | Higher predation risk for insect prey at low latitudes and elevations. <i>Science</i> , <b>2017</b> , 356, 742-744   | 33.3 | 219       |
| 142 | Shorter flowering seasons and declining abundance of flower visitors in a warmer Arctic. <i>Nature Climate Change</i> , <b>2013</b> , 3, 759-763   | 21.4 | 139       |
| 141 | Multiple Effects of Changes in Arctic Snow Cover. <i>Ambio</i> , <b>2011</b> , 40, 32-45   | 6.5  | 129       |
| 140 | Climate change and the ecology and evolution of Arctic vertebrates. <i>Annals of the New York Academy of Sciences</i> , <b>2012</b> , 1249, 166-90   | 6.5  | 128       |
| 139 | Large loss of CO in winter observed across the northern permafrost region.. <i>Nature Climate Change</i> , <b>2019</b> , 9, 852-857  | 21.4 | 112       |
| 138 | Greater temperature sensitivity of plant phenology at colder sites: implications for convergence across northern latitudes. <i>Global Change Biology</i> , <b>2017</b> , 23, 2660-2671   | 11.4 | 103       |
| 137 | Phenological response of tundra plants to background climate variation tested using the International Tundra Experiment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 368, 20120481 | 5.8  | 91        |
| 136 | Nonlinear flowering responses to climate: are species approaching their limits of phenological change?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 368, 20120489                  | 5.8  | 90        |

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|-----|--|------|----|
| 135 | Selecting the Number of States in Hidden Markov Models: Pragmatic Solutions Illustrated Using Animal Movement. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , <b>2017</b> , 22, 270-293                  | 1.9  | 81 |
| 134 | Response of an arctic predator guild to collapsing lemming cycles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 4417-22   | 4.4  | 73 |
| 133 | Exposing the structure of an Arctic food web. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 3842-56  | 2.8  | 72 |
| 132 | Arctic ecosystem structure and functioning shaped by climate and herbivore body size. <i>Nature Climate Change</i> , <b>2014</b> , 4, 379-383  | 21.4 | 70 |
| 131 | Declining diversity and abundance of High Arctic fly assemblages over two decades of rapid climate warming. <i>Ecography</i> , <b>2018</b> , 41, 265-277   | 6.5  | 59 |
| 130 | Reconstructing Century-long Snow Regimes Using Estimates of High Arctic <i>Salix arctica</i> Radial Growth. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2006</b> , 38, 257-262  | 1.8  | 59 |
| 129 | Establishing a community-wide DNA barcode library as a new tool for arctic research. <i>Molecular Ecology Resources</i> , <b>2016</b> , 16, 809-22   | 8.4  | 58 |
| 128 | Effects of grazing intensity on small mammal population ecology in wet meadows. <i>Basic and Applied Ecology</i> , <b>2005</b> , 6, 57-66  | 3.2  | 56 |
| 127 | Differences in food abundance cause inter-annual variation in the breeding phenology of High Arctic waders. <i>Polar Biology</i> , <b>2007</b> , 30, 601-606   | 2    | 54 |
| 126 | Long-term patterns in European brown hare population dynamics in Denmark: effects of agriculture, predation and climate. <i>BMC Ecology</i> , <b>2004</b> , 4, 15  | 2.7  | 54 |
| 125 | Effects of food abundance and early clutch predation on reproductive timing in a high Arctic shorebird exposed to advancements in arthropod abundance. <i>Ecology and Evolution</i> , <b>2016</b> , 6, 7375-7386                     | 2.8  | 51 |
| 124 | Global phenological insensitivity to shifting ocean temperatures among seabirds. <i>Nature Climate Change</i> , <b>2018</b> , 8, 313-318   | 21.4 | 50 |
| 123 | Arctic herbivore diet can be inferred from stable carbon and nitrogen isotopes in C3 plants, faeces, and wool. <i>Canadian Journal of Zoology</i> , <b>2011</b> , 89, 892-899  | 1.5  | 47 |
| 122 | One fly to rule them all-muscid flies are the key pollinators in the Arctic. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,   | 4.4  | 43 |
| 121 | Detrending phenological time series improves climate-phenology analyses and reveals evidence of plasticity. <i>Ecology</i> , <b>2017</b> , 98, 647-655   | 4.6  | 42 |
| 120 | Consistent Dendrochronological Response of the Dioecious <i>Salix arctica</i> to Variation in Local Snow Precipitation across Gender and Vegetation Types. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2010</b> , 42, 471-475 | 1.8  | 42 |
| 119 | Warming shortens flowering seasons of tundra plant communities. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 45-52   | 12.3 | 42 |
| 118 | Phenology of high-arctic butterflies and their floral resources: Species-specific responses to climate change. <i>Environmental Epigenetics</i> , <b>2014</b> , 60, 243-251  | 2.4  | 41 |

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|-----|--|------|----|
| 117 | An ecological function in crisis? The temporal overlap between plant flowering and pollinator function shrinks as the Arctic warms. <i>Ecography</i> , <b>2016</b> , 39, 1250-1252   | 6.5  | 41 |
| 116 | Long-term trends mask variation in the direction and magnitude of short-term phenological shifts. <i>American Journal of Botany</i> , <b>2013</b> , 100, 1398-406  | 2.7  | 40 |
| 115 | High arctic heath soil respiration and biogeochemical dynamics during summer and autumn freeze-in - effects of long-term enhanced water and nutrient supply. <i>Global Change Biology</i> , <b>2012</b> , 18, 3224-3236                  | 11.4 | 39 |
| 114 | LOCAL-SCALE AND SHORT-TERM HERBIVORE-PLANT SPATIAL DYNAMICS REFLECT INFLUENCES OF LARGE-SCALE CLIMATE. <i>Ecology</i> , <b>2005</b> , 86, 2644-2651  | 4.6  | 39 |
| 113 | Transitions in high-Arctic vegetation growth patterns and ecosystem productivity tracked with automated cameras from 2000 to 2013. <i>Ambio</i> , <b>2017</b> , 46, 39-52  | 6.5  | 38 |
| 112 | Trans-equatorial migration routes, staging sites and wintering areas of a high-Arctic avian predator: the long-tailed Skua ( <i>Stercorarius longicaudus</i> ). <i>PLoS ONE</i> , <b>2013</b> , 8, e64614                                | 3.7  | 38 |
| 111 | Ungulate movement in an extreme seasonal environment: year-round movement patterns of high-arctic muskoxen. <i>Wildlife Biology</i> , <b>2016</b> , 22, 253-267  | 1.7  | 38 |
| 110 | Background invertebrate herbivory on dwarf birch ( <i>Betula glandulosa-nana</i> complex) increases with temperature and precipitation across the tundra biome. <i>Polar Biology</i> , <b>2017</b> , 40, 2265-2278                       | 2    | 37 |
| 109 | Phenological mismatch with abiotic conditions implications for flowering in Arctic plants. <i>Ecology</i> , <b>2015</b> , 96, 775-87   | 4.6  | 37 |
| 108 | Interaction webs in arctic ecosystems: Determinants of arctic change?. <i>Ambio</i> , <b>2017</b> , 46, 12-25  | 6.5  | 36 |
| 107 | Large herbivore grazing affects the vegetation structure and greenhouse gas balance in a high arctic mire. <i>Environmental Research Letters</i> , <b>2015</b> , 10, 045001  | 6.2  | 36 |
| 106 | Long-term patterns of muskox ( <i>Ovibos moschatus</i> ) demographics in high arctic Greenland. <i>Polar Biology</i> , <b>2015</b> , 38, 1667-1675   | 2    | 34 |
| 105 | Spatiotemporal Characteristics of Seasonal Snow Cover in Northeast Greenland from in Situ Observations. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2016</b> , 48, 653-671  | 1.8  | 34 |
| 104 | Differential arthropod responses to warming are altering the structure of Arctic communities. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 171503  | 3.3  | 33 |
| 103 | Quantifying Muskox Plant Biomass Removal and Spatial Relocation of Nitrogen in a High Arctic Tundra Ecosystem. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2016</b> , 48, 229-240   | 1.8  | 33 |
| 102 | The regional species richness and genetic diversity of Arctic vegetation reflect both past glaciations and current climate. <i>Global Ecology and Biogeography</i> , <b>2016</b> , 25, 430-442   | 6.1  | 33 |
| 101 | Does warming affect growth rate and biomass production of shrubs in the High Arctic?. <i>Plant Ecology</i> , <b>2013</b> , 214, 1049-1058  | 1.7  | 30 |
| 100 | SPIKEPIPE: A metagenomic pipeline for the accurate quantification of eukaryotic species occurrences and intraspecific abundance change using DNA barcodes or mitogenomes. <i>Molecular Ecology Resources</i> , <b>2020</b> , 20, 256-267 | 8.4  | 30 |

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|----|---|------|----|
| 99 | 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 |
| 98 | Effects of Food Availability, Snow and Predation on Breeding Performance of Waders at Zackenberg. <i>Advances in Ecological Research</i> , <b>2008</b> , 40, 325-343  | 4.6  | 29 |
| 97 | Local snow melt and temperature-but not regional sea ice-explain variation in spring phenology in coastal Arctic tundra. <i>Global Change Biology</i> , <b>2019</b> , 25, 2258-2274   | 11.4 | 28 |
| 96 | Quantifying Episodic Snowmelt Events in Arctic Ecosystems. <i>Ecosystems</i> , <b>2015</b> , 18, 839-856  | 3.9  | 28 |
| 95 | An ecosystem-wide reproductive failure with more snow in the Arctic. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000392   | 9.7  | 28 |
| 94 | Demographic responses of a site-faithful and territorial predator to its fluctuating prey: long-tailed skuas and arctic lemmings. <i>Journal of Animal Ecology</i> , <b>2014</b> , 83, 375-87                                     | 4.7  | 28 |
| 93 | Vertebrate Predator-Prey Interactions in a Seasonal Environment. <i>Advances in Ecological Research</i> , <b>2008</b> , 40, 345-370   | 4.6  | 28 |
| 92 | Muskox status, recent variation, and uncertain future. <i>Ambio</i> , <b>2020</b> , 49, 805-819   | 6.5  | 28 |
| 91 | High Arctic plant community responses to a decade of ambient warming. <i>Biodiversity</i> , <b>2012</b> , 13, 191-199   | 0.7  | 27 |
| 90 | Concomitant Patterns in Avian and Mammalian Body Length Changes in Denmark. <i>Ecology and Society</i> , <b>2005</b> , 10,  | 4.1  | 27 |
| 89 | Show Me Your Rump Hair and I Will Tell You What You Ate - The Dietary History of Muskoxen ( <i>Ovibos moschatus</i> ) Revealed by Sequential Stable Isotope Analysis of Guard Hairs. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152874 | 3.7  | 27 |
| 88 | Behavioural responses of harbour seals to human-induced disturbances. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2012</b> , 22, 113-121   | 2.6  | 26 |
| 87 | Spatiotemporal snowmelt patterns within a high Arctic landscape, with implications for flora and fauna. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2018</b> , 50, e1415624  | 1.8  | 25 |
| 86 | High-Arctic Plant-Herbivore Interactions under Climate Influence. <i>Advances in Ecological Research</i> , <b>2008</b> , 275-298  | 4.6  | 25 |
| 85 | Harmonizing circumpolar monitoring of Arctic fox: benefits, opportunities, challenges and recommendations. <i>Polar Research</i> , <b>2017</b> , 36, 2  | 2    | 24 |
| 84 | Controls of spatial and temporal variability in CH <sub>4</sub> flux in a high arctic fen over three years. <i>Biogeochemistry</i> , <b>2015</b> , 125, 21-35   | 3.8  | 24 |
| 83 | Flexibility in otherwise consistent non-breeding movements of a long-distance migratory seabird, the long-tailed skua. <i>Marine Ecology - Progress Series</i> , <b>2017</b> , 578, 197-211                                       | 2.6  | 24 |
| 82 | Plant community composition and species richness in the High Arctic tundra: From the present to the future. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 10233-10242   | 2.8  | 23 |

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|----|--|-----|----|
| 81 | Documenting lemming population change in the Arctic: Can we detect trends?. <i>Ambio</i> , <b>2020</b> , 49, 786-800   | 6.5 | 23 |
| 80 | Population structure and dynamics of Arctic willow ( <i>Salix arctica</i> ) in the High Arctic. <i>Journal of Biogeography</i> , <b>2014</b> , 41, 1967-1978   | 4.1 | 21 |
| 79 | Limited dietary overlap amongst resident Arctic herbivores in winter: complementary insights from complementary methods. <i>Oecologia</i> , <b>2018</b> , 187, 689-699   | 2.9 | 20 |
| 78 | Occurrence and diversity of fungal entomopathogens in soils of low and high Arctic Greenland. <i>Polar Biology</i> , <b>2012</b> , 35, 1439-1445   | 2   | 20 |
| 77 | Population Dynamical Responses to Climate Change. <i>Advances in Ecological Research</i> , <b>2008</b> , 40, 391-419   | 4.6 | 20 |
| 76 | Quantifying snow controls on vegetation greenness. <i>Ecosphere</i> , <b>2018</b> , 9, e02309  | 3.1 | 20 |
| 75 | Quantification of the full lifecycle bioenergetics of a large mammal in the high Arctic. <i>Ecological Modelling</i> , <b>2019</b> , 401, 27-39  | 3   | 18 |
| 74 | Circumpolar status of Arctic ptarmigan: Population dynamics and trends. <i>Ambio</i> , <b>2020</b> , 49, 749-761   | 6.5 | 18 |
| 73 | The Muskox Lost a Substantial Part of Its Genetic Diversity on Its Long Road to Greenland. <i>Current Biology</i> , <b>2018</b> , 28, 4022-4028.e5   | 6.3 | 18 |
| 72 | Drivers of inter-annual variation and long-term change in High-Arctic spider species abundances. <i>Polar Biology</i> , <b>2018</b> , 41, 1635-1649  | 2   | 17 |
| 71 | Effects of simulated increased grazing on carbon allocation patterns in a high arctic mire. <i>Biogeochemistry</i> , <b>2014</b> , 119, 229-244  | 3.8 | 16 |
| 70 | Muskox Health Ecology Symposium 2016: Gathering to Share Knowledge on Umingmak in a Time of Rapid Change. <i>Arctic</i> , <b>2017</b> , 70, 225  | 2.1 | 16 |
| 69 | Analysis of trophic interactions reveals highly plastic response to climate change in a tri-trophic High-Arctic ecosystem. <i>Polar Biology</i> , <b>2016</b> , 39, 1467-1478  | 2   | 16 |
| 68 | Muskoxen Modify Plant Abundance, Phenology, and Nitrogen Dynamics in a High Arctic Fen. <i>Ecosystems</i> , <b>2019</b> , 22, 1095-1107  | 3.9 | 15 |
| 67 | Divergent parasite faunas in adjacent populations of west Greenland caribou: Natural and anthropogenic influences on diversity. <i>International Journal for Parasitology: Parasites and Wildlife</i> , <b>2013</b> , 2, 197-202 | 2.6 | 14 |
| 66 | Suitability, success and sinks: how do predictions of nesting distributions relate to fitness parameters in high arctic waders?. <i>Diversity and Distributions</i> , <b>2013</b> , 19, 1496-1505                                | 5   | 14 |
| 65 | Multispecies tracking reveals a major seabird hotspot in the North Atlantic. <i>Conservation Letters</i> , e12824  | 6.9 | 14 |
| 64 | Spatiotemporal dynamics in habitat suitability of a large Arctic herbivore: Environmental heterogeneity is key to a sedentary lifestyle. <i>Global Ecology and Conservation</i> , <b>2019</b> , 18, e00647                       | 2.8 | 13 |

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|----|---|------|----|
| 63 | Impacts of eriophyoid gall mites on arctic willow in a rapidly changing Arctic. <i>Polar Biology</i> , <b>2013</b> , 36, 1735-1748  | 2    | 13 |
| 62 | The influence of body mass on daily movement patterns and home ranges of the collared lemming ( <i>Dicrostonyx groenlandicus</i> ). <i>Canadian Journal of Zoology</i> , <b>2002</b> , 80, 64-69  | 1.5  | 13 |
| 61 | Vegetation phenology gradients along the west and east coasts of Greenland from 2001 to 2015. <i>Ambio</i> , <b>2017</b> , 46, 94-105   | 6.5  | 12 |
| 60 | An application of upscaled optimal foraging theory using hidden Markov modelling: year-round behavioural variation in a large arctic herbivore. <i>Movement Ecology</i> , <b>2020</b> , 8, 25   | 4.6  | 12 |
| 59 | Egg hatchability in high Arctic breeding wader species Charadriiformes is not affected by determining incubation stage using the egg flotation technique. <i>Bird Study</i> , <b>2011</b> , 58, 522-525   | 0.7  | 12 |
| 58 | Parasitoids indicate major climate-induced shifts in arctic communities. <i>Global Change Biology</i> , <b>2020</b> , 26, 6276-6295   | 11.4 | 12 |
| 57 | On the interplay between hypothermia and reproduction in a high arctic ungulate. <i>Scientific Reports</i> , <b>2020</b> , 10, 1514   | 4.9  | 11 |
| 56 | High Arctic Dry Heath CO2 Exchange During the Early Cold Season. <i>Ecosystems</i> , <b>2012</b> , 15, 1083-1092  | 3.9  | 11 |
| 55 | Improved UV-B screening capacity does not prevent negative effects of ambient UV irradiance on PSII performance in High Arctic plants. Results from a six year UV exclusion study. <i>Journal of Plant Physiology</i> , <b>2010</b> , 167, 1542-9 | 3.6  | 11 |
| 54 | Craniometric characteristics of polar bear skulls from two periods with contrasting levels of industrial pollution and sea ice extent. <i>Journal of Zoology</i> , <b>2009</b> , 279, 321-328   | 2    | 11 |
| 53 | No detectable trophic cascade in a high-Arctic arthropod food web. <i>Basic and Applied Ecology</i> , <b>2015</b> , 16, 652-660   | 3.2  | 10 |
| 52 | High resistance towards herbivore-induced habitat change in a high Arctic arthropod community. <i>Biology Letters</i> , <b>2018</b> , 14,   | 3.6  | 10 |
| 51 | Impacts of wet grassland management and winter severity on wader breeding numbers in eastern Denmark. <i>Basic and Applied Ecology</i> , <b>2004</b> , 5, 203-210   | 3.2  | 10 |
| 50 | A high arctic experience of uniting research and monitoring. <i>Earths Future</i> , <b>2017</b> , 5, 650-654  | 7.9  | 9  |
| 49 | Zackenberg in a Circumpolar Context. <i>Advances in Ecological Research</i> , <b>2008</b> , 499-544   | 4.6  | 9  |
| 48 | Nonlinear trends in abundance and diversity and complex responses to climate change in Arctic arthropods. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,                             | 11.5 | 9  |
| 47 | Accounting for environmental variation in co-occurrence modelling reveals the importance of positive interactions in root-associated fungal communities. <i>Molecular Ecology</i> , <b>2020</b> , 29, 2736-2746                                   | 5.7  | 8  |
| 46 | Temporal trends and variability in a high-arctic ecosystem in Greenland: multidimensional analyses of limnic and terrestrial ecosystems. <i>Polar Biology</i> , <b>2014</b> , 37, 1073-1082   | 2    | 8  |

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|----|--|------|---|
| 45 | Disturbance-induced responses of VHF and satellite tagged harbour seals. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2014</b> , 24, 712-723   | 2.6  | 8 |
| 44 | Response of Hooded Crow <i>Corvus corone cornix</i> and Magpie <i>Pica pica</i> to exposure to artificial nests. <i>Bird Study</i> , <b>2004</b> , 51, 87-90   | 0.7  | 8 |
| 43 | Energetics as common currency for integrating high resolution activity patterns into dynamic energy budget-individual based models. <i>Ecological Modelling</i> , <b>2020</b> , 434, 109250  | 3    | 8 |
| 42 | Forecasted homogenization of high Arctic vegetation communities under climate change. <i>Journal of Biogeography</i> , <b>2018</b> , 45, 2576-2587   | 4.1  | 8 |
| 41 | Comparative home range size and habitat selection in provisioned and non-provisioned long-tailed macaques ( <i>Macaca fascicularis</i> ) in Baluran National Park, East Java, Indonesia. <i>Contributions To Zoology</i> , <b>2020</b> , 89, 393-411 | 1.6  | 7 |
| 40 | Local variability in growth and reproduction of <i>Salix arctica</i> in the High Arctic. <i>Polar Research</i> , <b>2016</b> , 35, 24126   | 2    | 7 |
| 39 | Discriminating uniparental and biparental breeding strategies by monitoring nest temperature. <i>Ibis</i> , <b>2018</b> , 160, 13-22   | 1.9  | 6 |
| 38 | Estimating densities and spatial distribution of a commensal primate species, the long-tailed macaque ( <i>Macaca fascicularis</i> ). <i>Conservation Science and Practice</i> , <b>2019</b> , 1, e88  | 2.2  | 6 |
| 37 | Gastrointestinal parasites of two populations of Arctic foxes ( <i>Vulpes lagopus</i> ) from north-east Greenland. <i>Polar Research</i> , <b>2017</b> , 36, 13  | 2    | 6 |
| 36 | Long-term structural canopy changes sustain net photosynthesis per ground area in high arctic <i>Vaccinium uliginosum</i> exposed to changes in near-ambient UV-B levels. <i>Physiologia Plantarum</i> , <b>2012</b> , 145, 540-50                   | 4.6  | 6 |
| 35 | IMMOBILIZING MUSKOX ( <i>OVIBOS MOSCHATUS</i> ) UNDER HIGH ARCTIC CONDITIONS. <i>Journal of Zoo and Wildlife Medicine</i> , <b>2018</b> , 49, 856-862  | 0.9  | 6 |
| 34 | Accounting for species interactions is necessary for predicting how arctic arthropod communities respond to climate change. <i>Ecography</i> , <b>2021</b> , 44, 885-896   | 6.5  | 6 |
| 33 | Quantifying energetic and fitness consequences of seasonal heterothermy in an Arctic ungulate. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 338-351  | 2.8  | 6 |
| 32 | A Comparative Study on the Faecal Bacterial Community and Potential Zoonotic Bacteria of Muskoxen ( ) in Northeast Greenland, Northwest Greenland and Norway. <i>Microorganisms</i> , <b>2018</b> , 6,   | 4.9  | 6 |
| 31 | Nest attentiveness drives nest predation in arctic sandpipers. <i>Oikos</i> , <b>2020</b> , 129, 1481-1492   | 4    | 5 |
| 30 | Solar UV-B effects on PSII performance in <i>Betula nana</i> are influenced by PAR level and reduced by EDU: results of a 3-year experiment in the High Arctic. <i>Physiologia Plantarum</i> , <b>2012</b> , 145, 485-500                            | 4.6  | 5 |
| 29 | Responses of surface SOC to long-term experimental warming vary between different heath types in the high Arctic tundra. <i>European Journal of Soil Science</i> , <b>2020</b> , 71, 752-767   | 3.4  | 5 |
| 28 | Comment on "Global pattern of nest predation is disrupted by climate change in shorebirds". <i>Science</i> , <b>2019</b> , 364,  | 33.3 | 4 |



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|----|--|------|---|
| 27 | Density, snow, and seasonality lead to variation in muskox ( <i>Ovibos moschatus</i> ) habitat selection during summer. <i>Canadian Journal of Zoology</i> , <b>2019</b> , 97, 997-1003                                    | 1.5  | 4 |
| 26 | EcolS: An image serialization library for plot-based plant flowering phenology. <i>Ecological Informatics</i> , <b>2013</b> , 18, 194-202  | 4.2  | 4 |
| 25 | Arctic Terrestrial Ecosystems <b>2013</b> , 227-244  |      | 4 |
| 24 | Livestock grazing intensity affects abundance of Common shrews ( <i>Sorex araneus</i> ) in two meadows in Denmark. <i>BMC Ecology</i> , <b>2009</b> , 9, 2   | 2.7  | 4 |
| 23 | Catchment vegetation and temperature mediating trophic interactions and production in plankton communities. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174904   | 3.7  | 3 |
| 22 | Environmental conditions alter behavioural organization and rhythmicity of a large Arctic ruminant across the annual cycle. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 201614                                    | 3.3  | 3 |
| 21 | Higher host plant specialization of root-associated endophytes than mycorrhizal fungi along an arctic elevational gradient. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 8989-9002                                     | 2.8  | 3 |
| 20 | Environment and physiology shape Arctic ungulate population dynamics. <i>Global Change Biology</i> , <b>2021</b> , 27, 1755-1771   | 11.4 | 3 |
| 19 | Habitat suitability analysis reveals high ecological flexibility in a "strict" forest primate. <i>Frontiers in Zoology</i> , <b>2020</b> , 17, 6   | 2.8  | 2 |
| 18 | Corrigendum to Elmendorf et al. (2012). <i>Ecology Letters</i> , <b>2014</b> , 17, 260-260   | 10   | 2 |
| 17 | SPIKEPIPE: A metagenomic pipeline for the accurate quantification of eukaryotic species occurrences and abundances using DNA barcodes or mitogenomes   |      | 2 |
| 16 | Behavioural responses of breeding arctic sandpipers to ground-surface temperature and primary productivity. <i>Science of the Total Environment</i> , <b>2021</b> , 755, 142485  | 10.2 | 2 |
| 15 | EVALUATION OF TWO ENZYME-LINKED IMMUNOSORBENT ASSAYS MEASURING PREGNANCY-ASSOCIATED GLYCOPROTEINS IN THE BLOOD OF MUSKOXEN ( OVIBOS MOSCHATUS). <i>Journal of Zoo and Wildlife Medicine</i> , <b>2018</b> , 49, 798-801    | 0.9  | 2 |
| 14 | Prevalence of antibodies against <i>Brucella</i> spp. in West Greenland polar bears ( <i>Ursus maritimus</i> ) and East Greenland muskoxen ( <i>Ovibos moschatus</i> ). <i>Polar Biology</i> , <b>2018</b> , 41, 1671-1680 | 2    | 1 |
| 13 | The impact of trapping and handling activities on the breeding performance of Hooded Crows <i>Corvus corone cornix</i> . <i>Ringing and Migration</i> , <b>2001</b> , 20, 377-380  | 0.4  | 1 |
| 12 | Taxonomic, temporal, and spatial variation in the dynamics of High-Arctic arthropod populations  |      | 1 |
| 11 | Heated rivalries: Phenological variation modifies competition for pollinators among arctic plants. <i>Global Change Biology</i> , <b>2020</b> , 26, 6313-6325  | 11.4 | 1 |
| 10 | Are gastrointestinal parasites associated with the cyclic population dynamics of their arctic lemming hosts?. <i>International Journal for Parasitology: Parasites and Wildlife</i> , <b>2019</b> , 10, 6-12               | 2.6  | 0 |

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| 9 | Rapid shifts in Arctic tundra species distributions and inter-specific range overlap under future climate change. <i>Diversity and Distributions</i> , <b>2021</b> , 27, 1706-1718  | 5    | o |
| 8 | Quantifying behavior and life-history events of an Arctic ungulate from year-long continuous accelerometer data. <i>Ecosphere</i> , <b>2021</b> , 12, e03565                        | 3.1  | o |
| 7 | Long-term patterns in winter habitat selection, breeding and predation in a density-fluctuating, high Arctic lemming population. <i>Oecologia</i> , <b>2021</b> , 195, 927-935      | 2.9  | o |
| 6 | First Observation of a Four-egg Clutch of Long-tailed Jaeger ( <i>Stercorarius longicaudus</i> ). <i>Wilson Journal of Ornithology</i> , <b>2015</b> , 127, 149-153                 | 0.4  |   |
| 5 | Muskox <i>Ovibos moschatus</i> (Zimmermann, 1780). <i>Handbook of the Mammals of Europe</i> , <b>2021</b> , 1-11  |      | o |
| 4 | Fat, Furry, Flexible, and Functionally Important: Characteristics of Mammals Living in the Arctic <b>2021</b> , 357-384   |      |   |
| 3 | Muskox <i>Ovibos moschatus</i> (Zimmermann, 1780). <i>Handbook of the Mammals of Europe</i> , <b>2021</b> , 1-11  |      | o |
| 2 | Spatio-temporal patterns in arctic fox ( <i>Vulpes alopex</i> ) diets revealed by molecular analysis of scats from Northeast Greenland. <i>Polar Science</i> , <b>2022</b> , 100838 | 2.3  |   |
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