

# Sarah J Burthe

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

3,656  
citations

218677

26  
h-index

175258

52  
g-index

60  
all docs

60  
docs citations

60  
times ranked

6060  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Co-production of knowledge as part of a OneHealth approach to better control zoonotic diseases. PLOS Global Public Health, 2022, 2, e0000075.   | 1.6  | 3         |
| 2  | No evidence for fitness signatures consistent with increasing trophic mismatch over 30 years in a population of European shag <i>Phalacrocorax aristotelis</i> . Journal of Animal Ecology, 2021, 90, 432-446.                    | 2.8  | 8         |
| 3  | Strong survival selection on seasonal migration versus residence induced by extreme climatic events. Journal of Animal Ecology, 2021, 90, 796-808.  | 2.8  | 29        |
| 4  | Reviewing the ecological evidence base for management of emerging tropical zoonoses: Kyasanur Forest Disease in India as a case study. PLoS Neglected Tropical Diseases, 2021, 15, e0009243.                                      | 3.0  | 15        |
| 5  | 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        |
| 6  | 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        |
| 7  | 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        |
| 8  | Predicting disease risk areas through co-production of spatial models: The example of Kyasanur Forest Disease in India's forest landscapes. PLoS Neglected Tropical Diseases, 2020, 14, e0008179.                                 | 3.0  | 31        |
| 9  | Title is missing!. , 2020, 14, e0008179.  |      | 0         |
| 10 | Title is missing!. , 2020, 14, e0008179.  |      | 0         |
| 11 | Title is missing!. , 2020, 14, e0008179.  |      | 0         |
| 12 | Title is missing!. , 2020, 14, e0008179.  |      | 0         |
| 13 | Title is missing!. , 2020, 14, e0008179.  |      | 0         |
| 14 | Title is missing!. , 2020, 14, e0008179.  |      | 0         |
| 15 | Sublethal effects of natural parasitism act through maternal, but not paternal, reproductive success in a wild population. Ecology, 2019, 100, e02772.  | 3.2  | 5         |
| 16 | Adaptive responses of animals to climate change are most likely insufficient. Nature Communications, 2019, 10, 3109.  | 12.8 | 285       |
| 17 | Flexibility, variability and constraint in energy management patterns across vertebrate taxa revealed by long-term heart rate measurements. Functional Ecology, 2019, 33, 260-272.  | 3.6  | 32        |
| 18 | Population and evolutionary dynamics in spatially structured seasonally varying environments. Biological Reviews, 2018, 93, 1578-1603.  | 10.4 | 39        |

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|----|---|------|-----------|
| 19 | Pronounced long-term trends in year-round diet composition of the European shag <i>Phalacrocorax aristotelis</i> . <i>Marine Biology</i> , 2018, 165, 1.  | 1.5  | 14        |
| 20 | The role of parasitism in the energy management of a free-ranging bird. <i>Journal of Experimental Biology</i> , 2018, 221, .   | 1.7  | 9         |
| 21 | The energetic cost of parasitism in a wild population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180489.  | 2.6  | 29        |
| 22 | Validating accelerometry estimates of energy expenditure across behaviours using heart rate data in a free-living seabird. <i>Journal of Experimental Biology</i> , 2017, 220, 1875-1881.                         | 1.7  | 33        |
| 23 | Reproductive performance of resident and migrant males, females and pairs in a partially migratory bird. <i>Journal of Animal Ecology</i> , 2017, 86, 1010-1021.  | 2.8  | 55        |
| 24 | Helminth burden and ecological factors associated with alterations in wild host gastrointestinal microbiota. <i>ISME Journal</i> , 2017, 11, 663-675.   | 9.8  | 30        |
| 25 | Ecological resilience in lakes and the conjunction fallacy. <i>Nature Ecology and Evolution</i> , 2017, 1, 1616-1624.   | 7.8  | 52        |
| 26 | Interpreting <sc>ELISA</sc> analyses from wild animal samples: Some recurrent issues and solutions. <i>Functional Ecology</i> , 2017, 31, 2255-2262.  | 3.6  | 16        |
| 27 | Investigating the effects of age-related spatial structuring on the transmission of a tick-borne virus in a colonially breeding host. <i>Ecology and Evolution</i> , 2017, 7, 10930-10940.                        | 1.9  | 7         |
| 28 | Do early warning indicators consistently predict nonlinear change in long-term ecological data?. <i>Journal of Applied Ecology</i> , 2016, 53, 666-676.   | 4.0  | 104       |
| 29 | Phenological sensitivity to climate across taxa and trophic levels. <i>Nature</i> , 2016, 535, 241-245.   | 27.8 | 705       |
| 30 | Age, oxidative stress exposure and fitness in a long-lived seabird. <i>Functional Ecology</i> , 2016, 30, 913-921.  | 3.6  | 36        |
| 31 | Parental age influences offspring telomere loss. <i>Functional Ecology</i> , 2016, 30, 1531-1538.   | 3.6  | 39        |
| 32 | Ecological Instability in Lakes: A Predictable Condition?. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3285-3286.   | 10.0 | 10        |
| 33 | Contrasting responses of male and female foraging effort to year-round wind conditions. <i>Journal of Animal Ecology</i> , 2015, 84, 1490-1496.   | 2.8  | 44        |
| 34 | Indirect effects of parasitism: costs of infection to other individuals can be greater than direct costs borne by the host. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150602. | 2.6  | 7         |
| 35 | Site Fidelity and Individual Variation in Winter Location in Partially Migratory European Shags. <i>PLoS ONE</i> , 2014, 9, e98562.   | 2.5  | 40        |
| 36 | Parasitism in early life: environmental conditions shape within-brood variation in responses to infection. <i>Ecology and Evolution</i> , 2014, 4, 3408-3419.   | 1.9  | 21        |

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|----|---|------|-----------|
| 37 | <i>Mycobacterium microti</i> Tuberculosis in Its Maintenance Host, the Field Vole ( <i>Microtus</i> )   | 1.7  | 27        |
| 38 | Assessing the vulnerability of the marine bird community in the western North Sea to climate change and other anthropogenic impacts. <i>Marine Ecology - Progress Series</i> , 2014, 507, 277-295.  | 1.9  | 21        |
| 39 | Host-parasite biology in the real world: the field voles of Kielder. <i>Parasitology</i> , 2014, 141, 997-1017.   | 1.5  | 23        |
| 40 | Endoscopy as a novel method for assessing endoparasite burdens in free-ranging European shags ( <i>Phalacrocorax aristotelis</i> ). <i>Methods in Ecology and Evolution</i> , 2013, 4, 207-216.   | 5.2  | 12        |
| 41 | Impacts of Parasites in Early Life: Contrasting Effects on Juvenile Growth for Different Family Members. <i>PLoS ONE</i> , 2012, 7, e32236.   | 2.5  | 16        |
| 42 | Phenological trends and trophic mismatch across multiple levels of a North Sea pelagic food web. <i>Marine Ecology - Progress Series</i> , 2012, 454, 119-133.  | 1.9  | 77        |
| 43 | Demographic consequences of increased winter births in a large aseasonally breeding mammal ( <i>Bos</i> )   | 2.8  | 30        |
| 44 | Microbe Interactions Undermine Predictions of Response. <i>Science</i> , 2011, 331, 145-147.  | 12.6 | 4         |
| 45 | Individual growth rates in natural field vole, <i>Microtus agrestis</i> , populations exhibiting cyclic population dynamics. <i>Oecologia</i> , 2010, 162, 653-661.   | 2.0  | 23        |
| 46 | Trophic level asynchrony in rates of phenological change for marine, freshwater and terrestrial environments. <i>Global Change Biology</i> , 2010, 16, 3304-3313.   | 9.5  | 690       |
| 47 | Species Interactions in a Parasite Community Drive Infection Risk in a Wildlife Population. <i>Science</i> , 2010, 330, 243-246.  | 12.6 | 461       |
| 48 | Host-pathogen time series data in wildlife support a transmission function between density and frequency dependence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7905-7909.   | 7.1  | 118       |
| 49 | Seasonal host dynamics drive the timing of recurrent epidemics in a wildlife population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1603-1610.   | 2.6  | 44        |
| 50 | Effects of abundance on infection in natural populations: Field voles and cowpox virus. <i>Epidemics</i> , 2009, 1, 35-46.  | 3.0  | 29        |
| 51 | Cowpox virus infection in natural field vole <i>Microtus agrestis</i> populations: significant negative impacts on survival. <i>Journal of Animal Ecology</i> , 2008, 77, 110-119.  | 2.8  | 63        |
| 52 | Tuberculosis ( <i>Mycobacterium microti</i> ) in wild field vole populations. <i>Parasitology</i> , 2008, 135, 309-317.   | 1.5  | 40        |
| 53 | Contrasting dynamics of <i>Bartonella</i> spp. in cyclic field vole populations: the impact of vector and host dynamics. <i>Parasitology</i> , 2007, 134, 413.  | 1.5  | 67        |
| 54 | Sympatric <i>Ixodes trianguliceps</i> and <i>Ixodes ricinus</i> Ticks Feeding on Field Voles ( <i>Microtus agrestis</i> ): Potential for Increased Risk of <i>Anaplasma phagocytophilum</i> in the United Kingdom?. <i>Vector-Borne and Zoonotic Diseases</i> , 2006, 6, 404-410. | 1.5  | 57        |

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|----|--|-----|-----------|
| 55 | Cowpox virus infection in natural field vole <i>Microtus agrestis</i> populations: delayed density dependence and individual risk. <i>Journal of Animal Ecology</i> , 2006, 75, 1416-1425. | 2.8 | 45        |
| 56 | A role for vector-independent transmission in rodent trypanosome infection?. <i>International Journal for Parasitology</i> , 2006, 36, 1359-1366.  | 3.1 | 18        |
| 57 | Another Seychelles endemic close to extinction: the emballonurid bat <i>Coleura seychellensis</i> . <i>Oryx</i> , 2006, 40, 310-318.   | 1.0 | 5         |
| 58 | Trypanosomes, fleas and field voles: ecological dynamics of a host-vector-parasite interaction. <i>Parasitology</i> , 2005, 131, 355-365.  | 1.5 | 36        |