# Sarah C L Knowles

List of Publications by Year
in descending order



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|---|---|---|---|
| 35 papers | 2,314 citations | 361296 20 h-index | 414303 32 g-index |
| 37 all docs | 37 docs citations | 37 times ranked | 3318 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Marked seasonal variation in the wild mouse gut microbiota. ISME Journal, 2015, 9, 2423-2434. | 4.4 | 282 |
| 2 | Chronic malaria infections increase family inequalities and reduce parental fitness: experimental evidence from a wild bird population. Journal of Evolutionary Biology, 2010, 23, 557-569. | 0.8 | 204 |
| 3 | Withinâ€population variation in prevalence and lineage distribution of avian malaria in blue tits, Cyanistes caeruleus. Molecular Ecology, 2007, 16, 3263-3273. | 2.0 | 194 |
| 4 | Elevated reproductive effort increases blood parasitaemia and decreases immune function in birds: a metaâ€regression approach. Functional Ecology, 2009, 23, 405-415. | 1.7 | 173 |
| 5 | Parasite-Microbiota Interactions With the Vertebrate Gut: Synthesis Through an Ecological Lens. Frontiers in Microbiology, 2018, 9, 843. | 1.5 | 146 |
| 6 | Fitness effects of endemic malaria infections in a wild bird population: the importance of ecological structure. Journal of Animal Ecology, 2011, 80, 1196-1206. | 1.3 | 136 |
| 7 | Stability of within-hostâ€“parasite communities in a wild mammal system. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130598. | 1.2 | 121 |
| 8 | Molecular epidemiology of malaria prevalence and parasitaemia in a wild bird population. Molecular Ecology, 2011, 20, 1062-1076. | 2.0 | 118 |
| 9 | One health â€“ an ecological and evolutionary framework for tackling Neglected Zoonotic Diseases. Evolutionary Applications, 2016, 9, 313-333. | 1.5 | 112 |
| 10 | Phenotypic correlates of Clock gene variation in a wild blue tit population: evidence for a role in seasonal timing of reproduction. Molecular Ecology, 2009, 18, 2444-2456. | 2.0 | 97 |
| 11 | Siteâ€occupancy modelling as a novel framework for assessing test sensitivity and estimating wildlife disease prevalence from imperfect diagnostic tests. Methods in Ecology and Evolution, 2012, 3, 339-348. | 2.2 | 93 |
| 12 | Infection dynamics of endemic malaria in a wild bird population: parasite species-dependent drivers of spatial and temporal variation in transmission rates. Journal of Animal Ecology, 2011, 80, 1207-1216. | 1.3 | 87 |
| 13 | The reliability of observational approaches for detecting interspecific parasite interactions: comparison with experimental results. International Journal for Parasitology, 2014, 44, 437-445. | 1.3 | 76 |
| 14 | The effect of helminth co-infection on malaria in mice: A meta-analysis. International Journal for Parasitology, 2011, 41, 1041-1051. | 1.3 | 66 |
| 15 | Social networks strongly predict the gut microbiota of wild mice. ISME Journal, 2021, 15, 2601-2613. | 4.4 | 64 |
| 16 | Identifying Microbiome-Mediated Behaviour in Wild Vertebrates. Trends in Ecology and Evolution, 2020, 35, 972-980. | 4.2 | 53 |
| 17 | The evolution of ecological facilitation within mixed-species biofilms in the mouse gastrointestinal tract. ISME Journal, 2018, 12, 2770-2784. | 4.4 | 34 |
| 18 | Spatial determinants of infection risk in a multiâ€species avian malaria system. Ecography, 2013, 36, 587-598. | 2.1 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Context-dependent effects of parental effort on malaria infection in a wild bird population, and their role in reproductive trade-offs. Oecologia, 2010, 164, 87-97. | 0.9 | 29 |
| 20 | NO EVIDENCE FOR AVIAN MALARIA INFECTION DURING THE NESTLING PHASE IN A PASSERINE BIRD. Journal of Parasitology, 2006, 92, 1302-1304. | 0.3 | 25 |
| 21 | Epidemiology and fitness effects of wood mouse herpesvirus in a natural host population. Journal of General Virology, 2012, 93, 2447-2456. | 1.3 | 23 |
| 22 | The impact of an 8-year mass drug administration programme on prevalence, intensity and co-infections of soil-transmitted helminthiases in Burundi. Parasites and Vectors, 2016, 9, 513. | 1.0 | 21 |
| 23 | Effects of laboratory domestication on the rodent gut microbiome. ISME Communications, 2021, 1, . | 1.7 | 21 |
| 24 | Optimising cluster survey design for planning schistosomiasis preventive chemotherapy. PLoS Neglected Tropical Diseases, 2017, 11, e0005599. | 1.3 | 19 |
| 25 | Dispersal in a patchy landscape reveals contrasting determinants of infection in a wild avian malaria system. Journal of Animal Ecology, 2014, 83, 429-439. | 1.3 | 17 |
| 26 | Juvenile Female Aggression in Cooperatively Breeding Pied Babblers: Causes and Contexts. Ethology, 2008, 114, 452-458. | 0.5 | 14 |
| 27 | A 16S rRNA Gene and Draft Genome Database for the Murine Oral Bacterial Community. MSystems, 2021, 6, . | 1.7 | 14 |
| 28 | Epidemiological Interactions between Urogenital and Intestinal Human Schistosomiasis in the Context of Praziquantel Treatment across Three West African Countries. PLoS Neglected Tropical Diseases, 2015, 9, e0004019. | 1.3 | 14 |
| 29 | Synchronous Seasonality in the Gut Microbiota of Wild Mouse Populations. Frontiers in Microbiology, 2022, 13, 809735. | 1.5 | 14 |
| 30 | How should we store avian faecal samples for microbiota analyses? Comparing efficacy and cost-effectiveness. Journal of Microbiological Methods, 2019, 165, 105689. | 0.7 | 5 |
| 31 | Evolutionary Biology: Parasite, Know Thyself. Current Biology, 2008, 18, R655-R657. | 1.8 | 2 |
| 32 | The impact of albendazole treatment on the incidence of viral- and bacterial-induced diarrhea in school children in southern Vietnam: study protocol for a randomized controlled trial. Trials, 2016, 17, 279. | 0.7 | 2 |
| 33 | Sex Ratios: Human Twins and Fraternal Effects. Current Biology, 2007, 17, R801-R804. | 1.8 | 0 |
| 34 | Response to Nguyen et al. â€˜Laboratory-Inspired Manipulations Hold Value for Wild Microbiome-Behaviour Researchâ€™. Trends in Ecology and Evolution, 2021, 36, 278-280. | 4.2 | 0 |
| 35 | Bifidobacterium castoris strains isolated from wild mice show evidence of frequent host switching and diverse carbohydrate metabolism potential. ISME Communications, 2022, 2, . | 1.7 | 0 |