

Nicholas J Savill

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,260
citations

394421

19
h-index

501196

28
g-index

34
all docs

34
docs citations

34
times ranked

1515
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal reactive vaccination strategies for a foot-and-mouth outbreak in the UK. <i>Nature</i> , 2006, 440, 83-86.	27.8	216
2	Silent spread of H5N1 in vaccinated poultry. <i>Nature</i> , 2006, 442, 757-757.	27.8	121
3	Trypanosomal immune evasion, chronicity and transmission: an elegant balancing act. <i>Nature Reviews Microbiology</i> , 2012, 10, 431-438.	28.6	104
4	Transmission Stages Dominate Trypanosome Within-Host Dynamics during Chronic Infections. <i>Cell Host and Microbe</i> , 2011, 9, 310-318.	11.0	87
5	Accuracy of models for the 2001 foot-and-mouth epidemic. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1459-1468.	2.6	68
6	Understanding and Predicting Strain-Specific Patterns of Pathogenesis in the Rodent Malaria <i>Plasmodium chabaudi</i> . <i>American Naturalist</i> , 2008, 172, E214-E238.	2.1	65
7	Ecological divergence and hybridization of Neotropical <i>Leishmania</i> parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25159-25168.	7.1	60
8	Quantitative Analysis of Mechanisms That Govern Red Blood Cell Age Structure and Dynamics during Anaemia. <i>PLoS Computational Biology</i> , 2009, 5, e1000416.	3.2	48
9	Timing of host feeding drives rhythms in parasite replication. <i>PLoS Pathogens</i> , 2018, 14, e1006900.	4.7	48
10	Mitochondrial DNA is critical for longevity and metabolism of transmission stage <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2018, 14, e1007195.	4.7	45
11	Assembly and annotation of the mitochondrial minicircle genome of a differentiation-competent strain of <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2019, 47, 11304-11325.	14.5	42
12	Topographic determinants of foot and mouth disease transmission in the UK 2001 epidemic. <i>BMC Veterinary Research</i> , 2006, 2, 3.	1.9	37
13	Quantitative Analysis of Porcine Reproductive and Respiratory Syndrome (PRRS) Viremia Profiles from Experimental Infection: A Statistical Modelling Approach. <i>PLoS ONE</i> , 2013, 8, e83567.	2.5	35
14	A theoretical study of random segregation of minicircles in trypanosomatids. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 611-620.	2.6	33
15	Quantitative Analysis of Immune Response and Erythropoiesis during Rodent Malarial Infection. <i>PLoS Computational Biology</i> , 2010, 6, e1000946.	3.2	30
16	Causes of Variation in Malaria Infection Dynamics: Insights from Theory and Data. <i>American Naturalist</i> , 2011, 178, E174-E188.	2.1	26
17	Host circadian rhythms are disrupted during malaria infection in parasite genotype-specific manners. <i>Scientific Reports</i> , 2019, 9, 10905.	3.3	26
18	A receptor for the complement regulator factor H increases transmission of trypanosomes to tsetse flies. <i>Nature Communications</i> , 2020, 11, 1326.	12.8	23

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19	Predicted Impact of Mass Drug Administration on the Development of Protective Immunity against <i>Schistosoma haematobium</i> . PLoS Neglected Tropical Diseases, 2014, 8, e3059.	3.0	21
20	Geographic and topographic determinants of local FMD transmission applied to the 2001 UK FMD epidemic. BMC Veterinary Research, 2008, 4, 40.	1.9	19
21	Detection of mortality clusters associated with highly pathogenic avian influenza in poultry: a theoretical analysis. Journal of the Royal Society Interface, 2008, 5, 1409-1419.	3.4	19
22	Effect of data quality on estimates of farm infectiousness trends in the UK 2001 foot-and-mouth disease epidemic. Journal of the Royal Society Interface, 2007, 4, 235-241.	3.4	17
23	Estimating risk factors for farm-level transmission of disease: Foot and mouth disease during the 2001 epidemic in Great Britain. Epidemics, 2010, 2, 109-115.	3.0	16
24	The Challenge of Quantifying Synchrony in Malaria Parasites. Trends in Parasitology, 2019, 35, 341-355.	3.3	16
25	Epidemiology and control of maedi-visna virus: Curing the flock. PLoS ONE, 2020, 15, e0238781.	2.5	15
26	Plasticity and genetic variation in traits underpinning asexual replication of the rodent malaria parasite, <i>Plasmodium chabaudi</i> . Malaria Journal, 2019, 18, 222.	2.3	11
27	Vaccination strategies for foot-and-mouth disease (reply). Nature, 2007, 445, E12-E13.	27.8	6
28	Organization of minicircle cassettes and guide RNA genes in <i>Trypanosoma brucei</i> . Rna, 2022, 28, 972-992.	3.5	6
29	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0
30	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0
31	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0
32	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0
33	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0
34	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0