Aidan J O'donnell

List of Publications by Year
in descending order

19	553	840776 11	794594 19
papers	citations	h-index	g-index

26	26	26	538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fitness costs of disrupting circadian rhythms in malaria parasites. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2429-2436.	2.6	100
2	Daily Rhythms in Mosquitoes and Their Consequences for Malaria Transmission. Insects, 2016, 7, 14.	2.2	84
3	The evolutionary ecology of circadian rhythms in infection. Nature Ecology and Evolution, 2019, 3, 552-560.	7.8	63
4	Timing of host feeding drives rhythms in parasite replication. PLoS Pathogens, 2018, 14, e1006900.	4.7	48
5	Malaria parasites regulate intra-erythrocytic development duration via serpentine receptor 10 to coordinate with host rhythms. Nature Communications, 2020, 11, 2763.	12.8	41
6	Disrupting rhythms in Plasmodium chabaudi: costs accrue quickly and independently of how infections are initiated. Malaria Journal, 2013, 12, 372.	2.3	31
7	Adaptive periodicity in the infectivity of malaria gametocytes to mosquitoes. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181876.	2.6	30
8	Host circadian rhythms are disrupted during malaria infection in parasite genotype-specific manners. Scientific Reports, 2019, 9, 10905.	3.3	26
9	Time-of-day of blood-feeding: effects on mosquito life history and malaria transmission. Parasites and Vectors, 2019, 12, 301.	2.5	25
10	Phenotypic plasticity in reproductive effort: malaria parasites respond to resource availability. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171229.	2.6	22
11	Automated detection and staging of malaria parasites from cytological smears using convolutional neural networks. Biological Imaging, 2021, 1, e2.	2.2	15
12	Host circadian clocks do not set the schedule for the within-host replication of malaria parasites. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200347.	2.6	14
13	Mistimed malaria parasites reâ€synchronize with host feedingâ€fasting rhythms by shortening the duration of intraâ€erythrocytic development. Parasite Immunology, 2022, 44, e12898.	1.5	8
14	Testing possible causes of gametocyte reduction in temporally out-of-synch malaria infections. Malaria Journal, 2020, 19, 17.	2.3	7
15	Synchrony between daily rhythms of malaria parasites and hosts is driven by an essential amino acid. Wellcome Open Research, 0, 6, 186.	1.8	6
16	Synchrony between daily rhythms of malaria parasites and hosts is driven by an essential amino acid. Wellcome Open Research, 2021, 6, 186.	1.8	5
17	Early Plasmodiumâ€induced inflammation does not accelerate aging in mice. Evolutionary Applications, 2019, 12, 314-323.	3.1	3
18	Ecology of asynchronous asexual replication: the intraerythrocytic development cycle of Plasmodium berghei is resistant to host rhythms. Malaria Journal, 2021, 20, 105.	2.3	3

#	Article	IF	Citations
19	Adaptive phenotypic plasticity in malaria parasites is not constrained by previous responses to environmental change. Evolution, Medicine and Public Health, 2019, 2019, 190-198.	2.5	2