Sarah E Reece

List of Publications by Year
in descending order

93 papers	3,895 citations	109321 35 h-index	149698 56 g-index
101 all docs	101 docs citations	101 times ranked	3774 citing authors

#	Article	IF	Citations
1	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
2	Daily rhythms of both host and parasite affect antimalarial drug efficacy. Evolution, Medicine and Public Health, 2021, 9, 208-219.	2.5	7
3	Automated detection and staging of malaria parasites from cytological smears using convolutional neural networks. Biological Imaging, 2021, 1, e2.	2.2	15
4	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
5	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
6	The private life of malaria parasites: Strategies for sexual reproduction. Molecular and Biochemical Parasitology, 2021, 244, 111375.	1.1	19
7	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
8	Malaria parasites regulate intra-erythrocytic development duration via serpentine receptor 10 to coordinate with host rhythms. Nature Communications, 2020, 11, 2763.	12.8	41
9	Periodic Parasites and Daily Host Rhythms. Cell Host and Microbe, 2020, 27, 176-187.	11.0	31
10	Testing possible causes of gametocyte reduction in temporally out-of-synch malaria infections. Malaria Journal, 2020, 19, 17.	2.3	7
11	Host circadian rhythms are disrupted during malaria infection in parasite genotype-specific manners. Scientific Reports, 2019, 9, 10905.	3.3	26
12	Plasticity and genetic variation in traits underpinning asexual replication of the rodent malaria parasite, Plasmodium chabaudi. Malaria Journal, 2019, 18, 222.	2.3	11
13	Time-of-day of blood-feeding: effects on mosquito life history and malaria transmission. Parasites and Vectors, 2019, 12, 301.	2.5	25
14	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
15	Early Plasmodiumâ€induced inflammation does not accelerate aging in mice. Evolutionary Applications, 2019, 12, 314-323.	3.1	3
16	Evolutionary sex allocation theory explains sex ratios in natural Plasmodium falciparum infections. International Journal for Parasitology, 2019, 49, 601-604.	3.1	5
17	The evolutionary ecology of circadian rhythms in infection. Nature Ecology and Evolution, 2019, 3, 552-560.	7.8	63
18	The Challenge of Quantifying Synchrony in Malaria Parasites. Trends in Parasitology, 2019, 35, 341-355.	3.3	16

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19	Altered life history strategies protect malaria parasites against drugs. Evolutionary Applications, 2018, 11, 442-455.	3.1	10
20	Adaptive plasticity in the gametocyte conversion rate of malaria parasites. PLoS Pathogens, 2018, 14, e1007371.	4.7	50
21	Adaptive periodicity in the infectivity of malaria gametocytes to mosquitoes. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181876.	2.6	30
22	Premature Rejection of Plasticity in Conversion. Trends in Parasitology, 2018, 34, 633-634.	3.3	4
23	Malaria Makes the Most of Mealtimes. Cell Host and Microbe, 2018, 23, 695-697.	11.0	15
24	Timing of host feeding drives rhythms in parasite replication. PLoS Pathogens, 2018, 14, e1006900.	4.7	48
25	The Life and Times of Parasites: Rhythms in Strategies for Within-host Survival and Between-host Transmission. Journal of Biological Rhythms, 2017, 32, 516-533.	2.6	58
26	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
27	Daily Rhythms in Mosquitoes and Their Consequences for Malaria Transmission. Insects, 2016, 7, 14.	2.2	84
28	The role of models in translating within-host dynamics to parasite evolution. Parasitology, 2016, 143, 905-914.	1.5	6
29	Facilitation through altered resource availability in a mixedâ€species rodent malaria infection. Ecology Letters, 2016, 19, 1041-1050.	6.4	33
30	Ecological influences on the behaviour and fertility of malaria parasites. Malaria Journal, 2016, 15, 220.	2.3	4
31	Associations between Season and Gametocyte Dynamics in Chronic Plasmodium falciparum Infections. PLoS ONE, 2016, 11, e0166699.	2.5	28
32	Hybridization and pre-zygotic reproductive barriers inPlasmodium. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20143027.	2.6	31
33	Quantification of female and male Plasmodium falciparum gametocytes by reverse transcriptase quantitative PCR. Molecular and Biochemical Parasitology, 2015, 199, 29-33.	1.1	59
34	Malaria parasites prepare for flight. Trends in Parasitology, 2014, 30, 551-553.	3.3	4
35	War and peace: social interactions in infections. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130365.	4.0	50
36	Information use and plasticity in the reproductive decisions of malaria parasites. Malaria Journal, 2014, 13, 115.	2.3	12

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37	Disrupting rhythms in Plasmodium chabaudi: costs accrue quickly and independently of how infections are initiated. Malaria Journal, 2013, 12, 372.	2.3	31
38	Adaptive noise. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131104.	2.6	65
39	Plasticity in transmission strategies of the malaria parasite, P lasmodium chabaudi : environmental and genetic effects. Evolutionary Applications, 2013, 6, 365-376.	3.1	26
40	Life in cells, hosts, and vectors: Parasite evolution across scales. Infection, Genetics and Evolution, 2013, 13, 344-347.	2.3	6
41	The Cinderella syndrome: why do malaria-infected cells burst at midnight?. Trends in Parasitology, 2013, 29, 10-16.	3.3	83
42	Why are male malaria parasites in such a rush?. Evolution, Medicine and Public Health, 2013, 2013, 3-13.	2.5	7
43	Stress and sex in malaria parasites. Evolution, Medicine and Public Health, 2013, 2013, 135-147.	2.5	74
44	High-speed holographic microscopy of malaria parasites reveals ambidextrous flagellar waveforms. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18769-18774.	7.1	66
45	Costs of crowding for the transmission of malaria parasites. Evolutionary Applications, 2013, 6, 617-629.	3.1	29
46	Importance of spatio-temporal data for predicting the effects of climate change on marine turtle sex ratios. Marine Ecology - Progress Series, 2013, 488, 267-274.	1.9	34
47	The Problem of Auto-Correlation in Parasitology. PLoS Pathogens, 2012, 8, e1002590.	4.7	26
48	Drug treatment of malaria infections can reduce levels of protection transferred to offspring via maternal immunity. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2487-2496.	2.6	8
49	Virulence, drug sensitivity and transmission success in the rodent malaria, Plasmodium chabaudi. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4677-4685.	2.6	27
50	Plasticity in parasite phenotypes: evolutionary and ecological implications for disease. Future Microbiology, 2012, 7, 17-24.	2.0	49
51	Molecular evolution and phylogenetics of rodent malaria parasites. BMC Evolutionary Biology, 2012, 12, 219.	3.2	33
52	Causes of Variation in Malaria Infection Dynamics: Insights from Theory and Data. American Naturalist, 2011, 178, E174-E188.	2.1	26
53	Sex and Death: The Effects of Innate Immune Factors on the Sexual Reproduction of Malaria Parasites. PLoS Pathogens, 2011, 7, e1001309.	4.7	51
54	Strainâ€specific immunity induced by immunization with preâ€erythrocytic stages of Plasmodium chabaudi. Parasite Immunology, 2011, 33, 73-78.	1.5	13

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55	BRIDGING SCALES IN THE EVOLUTION OF INFECTIOUS DISEASE LIFE HISTORIES: APPLICATION. Evolution; International Journal of Organic Evolution, 2011, 65, 3298-3310.	2.3	40
56	Inclusive fitness theory and eusociality. Nature, 2011, 471, E1-E4.	27.8	339
57	Malaria and trypanosome transmission: different parasites, same rules?. Trends in Parasitology, 2011, 27, 197-203.	3.3	36
58	Evolution of apoptosis-like programmed cell death in unicellular protozoan parasites. Parasites and Vectors, 2011, 4, 44.	2.5	122
59	Fitness costs of disrupting circadian rhythms in malaria parasites. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2429-2436.	2.6	100
60	Competition and the Evolution of Reproductive Restraint in Malaria Parasites. American Naturalist, 2011, 177, 358-367.	2.1	91
61	Lethal combat over limited resources: testing the importance of competitors and kin. Behavioral Ecology, 2011, 22, 923-931.	2.2	38
62	The Meaning of Death: Evolution and Ecology of Apoptosis in Protozoan Parasites. PLoS Pathogens, 2011, 7, e1002320.	4.7	72
63	Competition between relatives and the evolution of dispersal in a parasitoid wasp. Journal of Evolutionary Biology, 2010, 23, 1374-1385.	1.7	28
64	Stress, drugs and the evolution of reproductive restraint in malaria parasites. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3123-3129.	2.6	41
65	Virginity and the clutch size behavior of a parasitoid wasp where mothers mate their sons. Behavioral Ecology, 2010, 21, 730-738.	2.2	11
66	Investigating the evolution of apoptosis in malaria parasites: the importance of ecology. Parasites and Vectors, 2010, 3, 105.	2.5	25
67	Antimalarial drugs: unexpected evolutionary consequences. Malaria Journal, 2010, 9, .	2.3	1
68	Quantitative Analysis of Mechanisms That Govern Red Blood Cell Age Structure and Dynamics during Anaemia. PLoS Computational Biology, 2009, 5, e1000416.	3.2	48
69	SYNTHESIS: Plastic parasites: sophisticated strategies for survival and reproduction?. Evolutionary Applications, 2009, 2, 11-23.	3.1	98
70	Sex ratio adjustment and kin discrimination in malaria parasites. Nature, 2008, 453, 609-614.	27.8	198
71	Gametocytes: insights gained during a decade of molecular monitoring. Trends in Parasitology, 2008, 24, 525-530.	3.3	77
72	Does the drug sensitivity of malaria parasites depend on their virulence?. Malaria Journal, 2008, 7, 257.	2.3	32

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73	Transformation of the rodent malaria parasite Plasmodium chabaudi and generation of a stable fluorescent line PcGFPCON. Malaria Journal, 2008, 7, 183.	2.3	22
74	Lethal combat and sex ratio evolution in a parasitoid wasp. Behavioral Ecology, 2007, 18, 709-715.	2.2	31
75	Functional Characterization of the Plasmodium falciparum and P. berghei Homologues of Macrophage Migration Inhibitory Factor. Infection and Immunity, 2007, 75, 1116-1128.	2.2	79
76	Information use in space and time: sex allocation behaviour in the parasitoid wasp Nasonia vitripennis. Animal Behaviour, 2007, 73, 971-977.	1.9	22
77	Lethal maleâ€“male combat in the parasitoid Melittobia acasta: are size and competitive environment important?. Animal Behaviour, 2007, 74, 1163-1169.	1.9	28
78	Development of reverse-transcription PCR techniques to analyse the density and sex ratio of gametocytes in genetically diverse Plasmodium chabaudi infections. Molecular and Biochemical Parasitology, 2007, 156, 199-209.	1.1	36
79	Host cell preference and variable transmission strategies in malaria parasites. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 511-517.	2.6	51
80	Rodent malaria parasites Plasmodium chabaudi and P. vinckei do not increase their rates of gametocytogenesis in response to mosquito probing. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 2397-2402.	2.6	12
81	Sex Ratios under Asymmetrical Local Mate Competition: Theory and a Test with Parasitoid Wasps. American Naturalist, 2005, 166, 301-316.	2.1	100
82	Sex allocation and interactions between relatives in the bean beetle, Callosobruchus maculatus. Behavioural Processes, 2005, 70, 282-288.	1.1	4
83	Wasp sex ratios when females on a patch are related. Animal Behaviour, 2004, 68, 331-336.	1.9	45
84	Toxoplasma gondii, sex and premature rejection. Trends in Parasitology, 2003, 19, 155-157.	3.3	8
85	Even more extreme fertility insurance and the sex ratios of protozoan blood parasites. Journal of Theoretical Biology, 2003, 223, 515-521.	1.7	43
86	Kin discrimination and sex ratios in a parasitoid wasp. Journal of Evolutionary Biology, 2003, 17, 208-216.	1.7	56
87	Sex ratios in the rodent malaria parasite, Plasmodium chabaudi. Parasitology, 2003, 127, 419-425.	1.5	29
88	Sex ratios. Heredity, 2002, 88, 117-124.	2.6	132
89	Thermal conditions in nests of loggerhead turtles: further evidence suggesting female skewed sex ratios of hatchling production in the Mediterranean. Journal of Experimental Marine Biology and Ecology, 2001, 263, 45-63.	1.5	102
90	Evolution of gametocyte sex ratios in malaria and related apicomplexan (protozoan) parasites. Trends in Parasitology, 2001, 17, 525-531.	3.3	81

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91	Malaria sex ratios. Trends in Ecology and Evolution, 2000, 15, 259-260.	8.7	15
92	Incubation periods and sex ratios of green turtles: highly female biased hatchling production in the eastern Mediterranean. Marine Ecology - Progress Series, 2000, 202, 273-281.	1.9	73
93	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