Kristan A Schneider

List of Publications by Year
in descending order

41 papers	777 citations	623734 14 h-index	580821 25 g-index
46 all docs	46 docs citations	46 times ranked	778 citing authors

#	Article	IF	Citations
1	THE CONDITIONS FOR SPECIATION THROUGH INTRASPECIFIC COMPETITION. Evolution; International Journal of Organic Evolution, 2006, 60, 2185-2206.	2.3	85
2	Local population structure of Plasmodium: impact on malaria control and elimination. Malaria Journal, 2012, 11, 412.	2.3	73
3	Intraspecific Competitive Divergence and Convergence under Assortative Mating. American Naturalist, 2006, 167, 190-205.	2.1	57
4	Does competitive divergence occur if assortative mating is costly?. Journal of Evolutionary Biology, 2006, 19, 570-588.	1.7	48
5	Differences in selective pressure on dhps and dhfr drug resistant mutations in western Kenya. Malaria Journal, 2012, 11, 77.	2.3	45
6	A multilocus-multiallele analysis of frequency-dependent selection induced by intraspecific competition. Journal of Mathematical Biology, 2006, 52, 483-523.	1.9	32
7	Limited differentiation among Plasmodium vivax populations from the northwest and to the south Pacific Coast of Colombia: A malaria corridor?. PLoS Neglected Tropical Diseases, 2019, 13, e0007310.	3.0	31
8	An analytical model for genetic hitchhiking in the evolution of antimalarial drug resistance. Theoretical Population Biology, 2010, 78, 93-108.	1.1	25
9	Persistence of Sulfadoxine-Pyrimethamine Resistance Despite Reduction of Drug Pressure in Malawi. Journal of Infectious Diseases, 2015, 212, 694-701.	4.0	25
10	Malaria in Venezuela: changes in the complexity of infection reflects the increment in transmission intensity. Malaria Journal, 2020, 19, 176.	2.3	24
11	The conditions for speciation through intraspecific competition. Evolution; International Journal of Organic Evolution, 2006, 60, 2185-206.	2.3	23
12	The COVID-19 pandemic preparedness simulation tool: CovidSIM. BMC Infectious Diseases, 2020, 20, 859.	2.9	22
13	Profiles of low complexity regions in Apicomplexa. BMC Evolutionary Biology, 2016, 16, 47.	3.2	21
14	Long-term evolution of polygenic traits under frequency-dependent intraspecific competition. Theoretical Population Biology, 2007, 71, 342-366.	1.1	20
15	A Likelihood Approach to Estimate the Number of Co-Infections. PLoS ONE, 2014, 9, e97899.	2.5	19
16	Preventing COVID-19 spread in closed facilities by regular testing of employeesâ€"An efficient intervention in long-term care facilities and prisons?. PLoS ONE, 2021, 16, e0249588.	2.5	19
17	A Population Genetic Model for the Initial Spread of Partially Resistant Malaria Parasites under Anti-Malarial Combination Therapy and Weak Intrahost Competition. PLoS ONE, 2014, 9, e101601.	2.5	16
18	Fitness components and natural selection: why are there different patterns on the emergence of drug resistance in Plasmodium falciparum and Plasmodium vivax?. Malaria Journal, 2013, 12, 15.	2.3	15

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19	EVOLUTION OF DOMINANCE UNDER FREQUENCY-DEPENDENT INTRASPECIFIC COMPETITION IN AN ASSORTATIVELY MATING POPULATION. Evolution; International Journal of Organic Evolution, 2010, 64, 561-582.	2.3	14
20	Changes in the frequencies of Plasmodium falciparum dhps and dhfr drug-resistant mutations in children from Western Kenya from 2005 to 2018: the rise of Pfdhps S436H. Malaria Journal, 2020, 19, 378.	2.3	14
21	Competitive divergence in non-random mating populations. Theoretical Population Biology, 2005, 68, 105-118.	1.1	13
22	Maximization principles for frequency-dependent selection I: the one-locus two-allele case. Theoretical Population Biology, 2008, 74, 251-262.	1.1	13
23	Large and finite sample properties of a maximum-likelihood estimator for multiplicity of infection. PLoS ONE, 2018, 13, e0194148.	2.5	12
24	THE CONDITIONS FOR SPECIATION THROUGH INTRASPECIFIC COMPETITION. Evolution; International Journal of Organic Evolution, 2006, 60, 2185.	2.3	10
25	Approximations for the hitchhiking effect caused by the evolution of antimalarial-drug resistance. Journal of Mathematical Biology, 2011, 62, 789-832.	1.9	10
26	The impact of COVID-19 vaccination campaigns accounting for antibody-dependent enhancement. PLoS ONE, 2021, 16, e0245417.	2.5	10
27	Optimization under frequency-dependent selection. Theoretical Population Biology, 2009, 76, 1-12.	1.1	9
28	Is increased mortality by multiple exposures to COVID-19 an overseen factor when aiming for herd immunity?. PLoS ONE, 2021, 16, e0253758.	2.5	8
29	Maximization principles for frequency-dependent selection II: the one-locus multiallele case. Journal of Mathematical Biology, 2010, 61, 95-132.	1.9	7
30	Bias-corrected maximum-likelihood estimation of multiplicity of infection and lineage frequencies. PLoS ONE, 2021, 16, e0261889.	2.5	7
31	An integrated virtual screening and drug repurposing strategy for the discovery of new antimalarial drugs against Plasmodium falciparum phosphatidylinositol 3â€kinase. Journal of Cellular Biochemistry, 2021, 122, 1326-1336.	2.6	6
32	The COVID-19 Pandemic Preparedness Simulation Tool: CovidSIM. SSRN Electronic Journal, 0, , .	0.4	6
33	Generalized Hankel operators on the Fock space II. Mathematische Nachrichten, 2011, 284, 1967-1984.	0.8	5
34	Genetic Hitchhiking under Heterogeneous Spatial Selection Pressures. PLoS ONE, 2013, 8, e61742.	2.5	5
35	Evolution of Assortative Mating in a Population Expressing Dominance. PLoS ONE, 2011, 6, e16821.	2.5	4
36	Charles Darwin Meets Ronald Ross: A Population-Genetic Framework for the Evolutionary Dynamics of Malaria. Mathematics of Planet Earth, 2021, , 149-191.	0.1	4

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37	Generalized Hankel operators on the Fock space. Mathematische Nachrichten, 2009, 282, 1811-1826.	0.8	3
38	Differential Gene Expression in Host Ubiquitination Processes in Childhood Malarial Anemia. Frontiers in Genetics, 2021, 12, 764759.	2.3	3
39	Complement component 3 mutations alter the longitudinal risk of pediatric malaria and severe malarial anemia. Experimental Biology and Medicine, 2022, 247, 672-682.	2.4	3
40	Elevated SARS-CoV-2 in peripheral blood and increased COVID-19 severity in American Indians/Alaska Natives. Experimental Biology and Medicine, 2022, 247, 1253-1263.	2.4	2
41	The Hitchhiking Effect of a Strongly Selected Substitution in Male Germline on Neutral Polymorphism in a Monogamy Population. PLoS ONE, 2013, 8, e71497.	2.5	0