

# Kristan A Schneider

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

777  
citations

706676

14  
h-index

651938

25  
g-index

46  
all docs

46  
docs citations

46  
times ranked

859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complement component 3 mutations alter the longitudinal risk of pediatric malaria and severe malarial anemia. <i>Experimental Biology and Medicine</i> , 2022, 247, 672-682.	1.1	3
2	Elevated SARS-CoV-2 in peripheral blood and increased COVID-19 severity in American Indians/Alaska Natives. <i>Experimental Biology and Medicine</i> , 2022, 247, 1253-1263.	1.1	2
3	Preventing COVID-19 spread in closed facilities by regular testing of employees—An efficient intervention in long-term care facilities and prisons?. <i>PLoS ONE</i> , 2021, 16, e0249588.	1.1	19
4	The impact of COVID-19 vaccination campaigns accounting for antibody-dependent enhancement. <i>PLoS ONE</i> , 2021, 16, e0245417.	1.1	10
5	An integrated virtual screening and drug repurposing strategy for the discovery of new antimalarial drugs against <i>Plasmodium falciparum</i> phosphatidylinositol 3-kinase. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 1326-1336.	1.2	6
6	Is increased mortality by multiple exposures to COVID-19 an overseen factor when aiming for herd immunity?. <i>PLoS ONE</i> , 2021, 16, e0253758.	1.1	8
7	Charles Darwin Meets Ronald Ross: A Population-Genetic Framework for the Evolutionary Dynamics of Malaria. <i>Mathematics of Planet Earth</i> , 2021, , 149-191.	0.1	4
8	Differential Gene Expression in Host Ubiquitination Processes in Childhood Malarial Anemia. <i>Frontiers in Genetics</i> , 2021, 12, 764759.	1.1	3
9	Bias-corrected maximum-likelihood estimation of multiplicity of infection and lineage frequencies. <i>PLoS ONE</i> , 2021, 16, e0261889.	1.1	7
10	The COVID-19 pandemic preparedness simulation tool: CovidSIM. <i>BMC Infectious Diseases</i> , 2020, 20, 859.	1.3	22
11	Changes in the frequencies of <i>Plasmodium falciparum</i> dhps and dhfr drug-resistant mutations in children from Western Kenya from 2005 to 2018: the rise of Pfdhps S436H. <i>Malaria Journal</i> , 2020, 19, 378.	0.8	14
12	Malaria in Venezuela: changes in the complexity of infection reflects the increment in transmission intensity. <i>Malaria Journal</i> , 2020, 19, 176.	0.8	24
13	Limited differentiation among <i>Plasmodium vivax</i> populations from the northwest and to the south Pacific Coast of Colombia: A malaria corridor?. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007310.	1.3	31
14	Large and finite sample properties of a maximum-likelihood estimator for multiplicity of infection. <i>PLoS ONE</i> , 2018, 13, e0194148.	1.1	12
15	Profiles of low complexity regions in Apicomplexa. <i>BMC Evolutionary Biology</i> , 2016, 16, 47.	3.2	21
16	Persistence of Sulfadoxine-Pyrimethamine Resistance Despite Reduction of Drug Pressure in Malawi. <i>Journal of Infectious Diseases</i> , 2015, 212, 694-701.	1.9	25
17	A Likelihood Approach to Estimate the Number of Co-Infections. <i>PLoS ONE</i> , 2014, 9, e97899.	1.1	19
18	A Population Genetic Model for the Initial Spread of Partially Resistant Malaria Parasites under Anti-Malarial Combination Therapy and Weak Intra-host Competition. <i>PLoS ONE</i> , 2014, 9, e101601.	1.1	16

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19	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.	0.8	15
20	Genetic Hitchhiking under Heterogeneous Spatial Selection Pressures. PLoS ONE, 2013, 8, e61742.	1.1	5
21	The Hitchhiking Effect of a Strongly Selected Substitution in Male Germline on Neutral Polymorphism in a Monogamy Population. PLoS ONE, 2013, 8, e71497.	1.1	0
22	Local population structure of Plasmodium: impact on malaria control and elimination. Malaria Journal, 2012, 11, 412.	0.8	73
23	Differences in selective pressure on dhps and dhfr drug resistant mutations in western Kenya. Malaria Journal, 2012, 11, 77.	0.8	45
24	Approximations for the hitchhiking effect caused by the evolution of antimalarial-drug resistance. Journal of Mathematical Biology, 2011, 62, 789-832.	0.8	10
25	Generalized Hankel operators on the Fock space II. Mathematische Nachrichten, 2011, 284, 1967-1984.	0.4	5
26	Evolution of Assortative Mating in a Population Expressing Dominance. PLoS ONE, 2011, 6, e16821.	1.1	4
27	Maximization principles for frequency-dependent selection II: the one-locus multiallele case. Journal of Mathematical Biology, 2010, 61, 95-132.	0.8	7
28	An analytical model for genetic hitchhiking in the evolution of antimalarial drug resistance. Theoretical Population Biology, 2010, 78, 93-108.	0.5	25
29	EVOLUTION OF DOMINANCE UNDER FREQUENCY-DEPENDENT INTRASPECIFIC COMPETITION IN AN ASSORTATIVELY MATING POPULATION. Evolution; International Journal of Organic Evolution, 2010, 64, 561-582.	1.1	14
30	Optimization under frequency-dependent selection. Theoretical Population Biology, 2009, 76, 1-12.	0.5	9
31	Generalized Hankel operators on the Fock space. Mathematische Nachrichten, 2009, 282, 1811-1826.	0.4	3
32	Maximization principles for frequency-dependent selection I: the one-locus two-allele case. Theoretical Population Biology, 2008, 74, 251-262.	0.5	13
33	Long-term evolution of polygenic traits under frequency-dependent intraspecific competition. Theoretical Population Biology, 2007, 71, 342-366.	0.5	20
34	THE CONDITIONS FOR SPECIATION THROUGH INTRASPECIFIC COMPETITION. Evolution; International Journal of Organic Evolution, 2006, 60, 2185.	1.1	10
35	THE CONDITIONS FOR SPECIATION THROUGH INTRASPECIFIC COMPETITION. Evolution; International Journal of Organic Evolution, 2006, 60, 2185-2206.	1.1	85
36	Does competitive divergence occur if assortative mating is costly?. Journal of Evolutionary Biology, 2006, 19, 570-588.	0.8	48

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37	A multilocus-multiallele analysis of frequency-dependent selection induced by intraspecific competition. <i>Journal of Mathematical Biology</i> , 2006, 52, 483-523.	0.8	32
38	Intraspecific Competitive Divergence and Convergence under Assortative Mating. <i>American Naturalist</i> , 2006, 167, 190-205.	1.0	57
39	The conditions for speciation through intraspecific competition. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2185-206.	1.1	23
40	Competitive divergence in non-random mating populations. <i>Theoretical Population Biology</i> , 2005, 68, 105-118.	0.5	13
41	The COVID-19 Pandemic Preparedness Simulation Tool: CovidSIM. <i>SSRN Electronic Journal</i> , 0, , .	0.4	6