

Sunetra Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,212
citations

304368

22
h-index

197535

49
g-index

64
all docs

64
docs citations

64
times ranked

5007
citing authors

#	ARTICLE	IF	CITATIONS
1	Relation between severe malaria morbidity in children and level of Plasmodium falciparum transmission in Africa. Lancet, The, 1997, 349, 1650-1654.	6.3	561
2	Immunity to non-cerebral severe malaria is acquired after one or two infections. Nature Medicine, 1999, 5, 340-343.	15.2	433
3	The Epidemic Behavior of the Hepatitis C Virus. Science, 2001, 292, 2323-2325.	6.0	405
4	The antigenic anatomy of SARS-CoV-2 receptor binding domain. Cell, 2021, 184, 2183-2200.e22.	13.5	331
5	The maintenance of strain structure in populations of recombining infectious agents. Nature Medicine, 1996, 2, 437-442.	15.2	276
6	Infectious disease dynamics: what characterizes a successful invader?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2001, 356, 901-910.	1.8	137
7	High residual carriage of vaccine-serotype Streptococcus pneumoniae after introduction of pneumococcal conjugate vaccine in Malawi. Nature Communications, 2020, 11, 2222.	5.8	79
8	A theoretical framework for the immunoepidemiology of <i>Plasmodium falciparum</i> malaria. Parasite Immunology, 1994, 16, 361-370.	0.7	71
9	Convalescent plasma therapy for the treatment of patients with COVID-19: Assessment of methods available for antibody detection and their correlation with neutralising antibody levels. Transfusion Medicine, 2021, 31, 167-175.	0.5	71
10	The spatial epidemiology of sickle-cell anaemia in India. Scientific Reports, 2018, 8, 17685.	1.6	55
11	Vaccination Drives Changes in Metabolic and Virulence Profiles of Streptococcus pneumoniae. PLoS Pathogens, 2015, 11, e1005034.	2.1	49
12	Larger Mammalian Body Size Leads to Lower Retroviral Activity. PLoS Pathogens, 2014, 10, e1004214.	2.1	47
13	Vaccination can drive an increase in frequencies of antibiotic resistance among nonvaccine serotypes of <i>Streptococcus pneumoniae</i> . Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3102-3107.	3.3	42
14	Leveraging epidemiological principles to evaluate Sweden's COVID-19 response. Annals of Epidemiology, 2021, 54, 21-26.	0.9	42
15	Vaccination and the population structure of antigenically diverse pathogens that exchange genetic material. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 1435-1443.	1.2	41
16	Acquired immunity and postnatal clinical protection in childhood cerebral malaria. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 33-38.	1.2	40
17	Hepatitis B virus seroepidemiology data for Africa: Modelling intervention strategies based on a systematic review and meta-analysis. PLoS Medicine, 2020, 17, e1003068.	3.9	39
18	Competing species leave many potential niches unfilled. Nature Ecology and Evolution, 2017, 1, 1495-1501.	3.4	38

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19	Quantifying the contribution of Plasmodium falciparum malaria to febrile illness amongst African children. <i>ELife</i> , 2017, 6, .	2.8	34
20	A naturally protective epitope of limited variability as an influenza vaccine target. <i>Nature Communications</i> , 2018, 9, 3859.	5.8	32
21	Malaria infection and severe disease risks in Africa. <i>Science</i> , 2021, 373, 926-931.	6.0	32
22	Parasite immune escape: new views into host-parasite interactions. <i>Current Opinion in Microbiology</i> , 2005, 8, 428-433.	2.3	29
23	Observed and expected frequencies of structural hemoglobin variants in newborn screening surveys in Africa and the Middle East: deviations from Hardy-Weinberg equilibrium. <i>Genetics in Medicine</i> , 2016, 18, 265-274.	1.1	22
24	Lineage structure of <i>Streptococcus pneumoniae</i> may be driven by immune selection on the groEL heat-shock protein. <i>Scientific Reports</i> , 2017, 7, 9023.	1.6	22
25	The effects of host heterogeneity on pathogen population structure. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999, 354, 711-719.	1.8	21
26	Five challenges in modelling interacting strain dynamics. <i>Epidemics</i> , 2015, 10, 31-34.	1.5	21
27	Reproduction, infection and killer-cell immunoglobulin-like receptor haplotype evolution. <i>Immunogenetics</i> , 2016, 68, 755-764.	1.2	21
28	Contact between bird species of different lifespans can promote the emergence of highly pathogenic avian influenza strains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10767-10772.	3.3	18
29	Identifying genes associated with invasive disease in <i>S. pneumoniae</i> by applying a machine learning approach to whole genome sequence typing data. <i>Scientific Reports</i> , 2019, 9, 4049.	1.6	18
30	SARS-CoV-2 antibody prevalence, titres and neutralising activity in an antenatal cohort, United Kingdom, 14 April to 15 June 2020. <i>Eurosurveillance</i> , 2020, 25, .	3.9	17
31	Modelling challenges in context: Lessons from malaria, HIV, and tuberculosis. <i>Epidemics</i> , 2015, 10, 102-107.	1.5	16
32	A multi-country study of dengue vaccination strategies with Dengvaxia and a future vaccine candidate in three dengue-endemic countries: Vietnam, Thailand, and Colombia. <i>Vaccine</i> , 2018, 36, 2346-2355.	1.7	16
33	Estimating the burden of α -thalassaemia in Thailand using a comprehensive prevalence database for Southeast Asia. <i>ELife</i> , 2019, 8, .	2.8	15
34	Potential impact of individual exposure histories to endemic human coronaviruses on age-dependent severity of COVID-19. <i>BMC Medicine</i> , 2021, 19, 19.	2.3	14
35	A focused protection vaccination strategy: why we should not target children with COVID-19 vaccination policies. <i>Journal of Medical Ethics</i> , 2021, 47, 565-566.	1.0	14
36	Metabolic competition as a driver of bacterial population structure. <i>Future Microbiology</i> , 2016, 11, 1339-1357.	1.0	12

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37	Sickle haemoglobin, haemoglobin C and malaria mortality feedbacks. <i>Malaria Journal</i> , 2016, 15, 26.	0.8	12
38	Malaria hospitalisation in East Africa: age, phenotype and transmission intensity. <i>BMC Medicine</i> , 2022, 20, 28.	2.3	10
39	MANTIS: an R package that simulates multilocus models of pathogen evolution. <i>BMC Bioinformatics</i> , 2015, 16, 176.	1.2	9
40	Contrasting within- and between-host immune selection shapes <i>Neisseria Opa</i> repertoires. <i>Scientific Reports</i> , 2014, 4, 6554.	1.6	7
41	Understanding the contrasting spatial haplotype patterns of malaria-protective β -globin polymorphisms. <i>Infection, Genetics and Evolution</i> , 2015, 36, 174-183.	1.0	7
42	Avoiding ambiguity. <i>Nature</i> , 2001, 412, 589-589.	13.7	6
43	Effects of neutralizing antibodies on escape from CD8 + T-cell responses in HIV-1 infection. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140290.	1.8	6
44	Detecting signatures of past pathogen selection on human HLA loci: are there needles in the haystack?. <i>Parasitology</i> , 2018, 145, 731-739.	0.7	5
45	A victim of truth. <i>Nature</i> , 2000, 407, 677-677.	13.7	4
46	Analysis of HIV-1 envelope evolution suggests antibody-mediated selection of common epitopes among Chinese former plasma donors from a narrow-source outbreak. <i>Scientific Reports</i> , 2018, 8, 5743.	1.6	3
47	Reverse immunodynamics: a new method for identifying targets of protective immunity. <i>Scientific Reports</i> , 2019, 9, 2164.	1.6	3
48	Real-time seroprevalence and exposure levels of emerging pathogens in infection-naive host populations. <i>Scientific Reports</i> , 2021, 11, 5825.	1.6	3
49	Mastering malaria: What helps and what hurts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2925-2926.	3.3	0
50	Effects of Immune Selection on Population Structure of Bacteria. , 0, , 63-71.		0
51	Title is missing!. , 2020, 17, e1003068.		0
52	Title is missing!. , 2020, 17, e1003068.		0
53	Title is missing!. , 2020, 17, e1003068.		0
54	Title is missing!. , 2020, 17, e1003068.		0