

Francis M Ndungu

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

3,054
citations

186265
28
h-index

175258
52
g-index

67
all docs

67
docs citations

67
times ranked

3864
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunity to malaria: more questions than answers. <i>Nature Immunology</i> , 2008, 9, 725-732.	14.5	724
2	Chronic Exposure to <i>Plasmodium falciparum</i> Is Associated with Phenotypic Evidence of B and T Cell Exhaustion. <i>Journal of Immunology</i> , 2013, 190, 1038-1047.	0.8	261
3	<i>Plasmodium falciparum</i> -Infected Erythrocytes: Agglutination by Diverse Kenyan Plasma Is Associated with Severe Disease and Young Host Age. <i>Journal of Infectious Diseases</i> , 2000, 182, 252-259.	4.0	152
4	A LAIR1 insertion generates broadly reactive antibodies against malaria variant antigens. <i>Nature</i> , 2016, 529, 105-109.	27.8	140
5	Atypical B cells are part of an alternative lineage of B cells that participates in responses to vaccination and infection in humans. <i>Cell Reports</i> , 2021, 34, 108684.	6.4	134
6	Oxidative stress and erythrocyte damage in Kenyan children with severe <i>Plasmodium falciparum</i> malaria. <i>British Journal of Haematology</i> , 2001, 113, 486-491.	2.5	91
7	B Cell Memory to <i>Plasmodium falciparum</i> Blood-Stage Antigens in a Malaria-Endemic Area. <i>Journal of Infectious Diseases</i> , 2005, 191, 1623-1630.	4.0	91
8	Public antibodies to malaria antigens generated by two LAIR1 insertion modalities. <i>Nature</i> , 2017, 548, 597-601.	27.8	91
9	Naturally acquired immunoglobulin (Ig)G subclass antibodies to crude asexual <i>Plasmodium falciparum</i> lysates: evidence for association with protection for IgG1 and disease for IgG2. <i>Parasite Immunology</i> , 2002, 24, 77-82.	1.5	78
10	<i>Plasmodium falciparum</i> Infections Are Associated with Agglutinating Antibodies to Parasite-Infected Erythrocyte Surface Antigens among Healthy Kenyan Children. <i>Journal of Infectious Diseases</i> , 2002, 185, 1688-1691.	4.0	71
11	Memory B cells are a more reliable archive for historical antimalarial responses than plasma antibodies in no-longer exposed children. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8247-8252.	7.1	71
12	Functional Memory B Cells and Long-Lived Plasma Cells Are Generated after a Single <i>Plasmodium chabaudi</i> Infection in Mice. <i>PLoS Pathogens</i> , 2009, 5, e1000690.	4.7	64
13	Determinants of antibody persistence across doses and continents after single-dose rVSV-ZEBOV vaccination for Ebola virus disease: an observational cohort study. <i>Lancet Infectious Diseases</i> , The, 2018, 18, 738-748.	9.1	62
14	Long-lived <i>Plasmodium falciparum</i> specific memory B cells in naturally exposed Swedish travelers. <i>European Journal of Immunology</i> , 2013, 43, 2919-2929.	2.9	61
15	Alterations of Splenic Architecture in Malaria Are Induced Independently of Toll-Like Receptors 2, 4, and 9 or MyD88 and May Affect Antibody Affinity. <i>Infection and Immunity</i> , 2008, 76, 3924-3931.	2.2	59
16	Estimating the burden of iron deficiency among African children. <i>BMC Medicine</i> , 2020, 18, 31.	5.5	47
17	Antibodies among Men and Children to Placental-Binding <i>Plasmodium falciparum</i> -Infected Erythrocytes that Express var2csa. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 77, 22-28.	1.4	44
18	A Statistical Interaction between Circumsporozoite Protein-Specific T Cell and Antibody Responses and Risk of Clinical Malaria Episodes following Vaccination with RTS,S/AS01E. <i>PLoS ONE</i> , 2012, 7, e52870.	2.5	43

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19	Ebola vaccine R&D: Filling the knowledge gaps. <i>Science Translational Medicine</i> , 2015, 7, 317ps24.	12.4	41
20	CD4 T Cells from Malaria-Nonexposed Individuals Respond to the CD36-Binding Domain of <i>Plasmodium falciparum</i> Erythrocyte Membrane Protein-1 via an MHC Class II-TCR-Independent Pathway. <i>Journal of Immunology</i> , 2006, 176, 5504-5512.	0.8	39
21	Iron Status and Associated Malaria Risk Among African Children. <i>Clinical Infectious Diseases</i> , 2019, 68, 1807-1814.	5.8	38
22	<i>Plasmodium falciparum</i> Antigenic Variation: Relationships between In Vivo Selection, Acquired Antibody Response, and Disease Severity. <i>Journal of Infectious Diseases</i> , 2005, 192, 1119-1126.	4.0	37
23	Repeated clinical malaria episodes are associated with modification of the immune system in children. <i>BMC Medicine</i> , 2019, 17, 60.	5.5	37
24	Malaria is a cause of iron deficiency in African children. <i>Nature Medicine</i> , 2021, 27, 653-658.	30.7	35
25	Antibodies among men and children to placental-binding <i>Plasmodium falciparum</i> -infected erythrocytes that express var2csa. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 77, 22-8.	1.4	35
26	Regulation of immune response by <i>Plasmodium</i> -infected red blood cells. <i>Parasite Immunology</i> , 2005, 27, 373-384.	1.5	34
27	B cell memory in malaria: Myths and realities. <i>Immunological Reviews</i> , 2020, 293, 57-69.	6.0	34
28	Germinal centre and marginal zone B cells expand quickly in a second <i>Plasmodium chabaudi</i> malaria infection producing mature plasma cells. <i>Parasite Immunology</i> , 2009, 31, 20-31.	1.5	33
29	Distinct Kinetics of Memory B-Cell and Plasma-Cell Responses in Peripheral Blood Following a Blood-Stage <i>Plasmodium chabaudi</i> Infection in Mice. <i>PLoS ONE</i> , 2010, 5, e15007.	2.5	33
30	High efficiency human memory B cell assay and its application to studying <i>Plasmodium falciparum</i> -specific memory B cells in natural infections. <i>Journal of Immunological Methods</i> , 2012, 375, 68-74.	1.4	31
31	Lack of Avidity Maturation of Merozoite Antigen-Specific Antibodies with Increasing Exposure to <i>Plasmodium falciparum</i> amongst Children and Adults Exposed to Endemic Malaria in Kenya. <i>PLoS ONE</i> , 2012, 7, e52939.	2.5	28
32	Avidity of Anti-Circumsporozoite Antibodies following Vaccination with RTS,S/AS01E in Young Children. <i>PLoS ONE</i> , 2014, 9, e115126.	2.5	26
33	Identifying children with excess malaria episodes after adjusting for variation in exposure: identification from a longitudinal study using statistical count models. <i>BMC Medicine</i> , 2015, 13, 183.	5.5	25
34	The effect of declining exposure on T cell-mediated immunity to <i>Plasmodium falciparum</i> – an epidemiological ‘natural experiment’. <i>BMC Medicine</i> , 2016, 14, 143.	5.5	20
35	The ferroportin Q248H mutation protects from anemia, but not malaria or bacteremia. <i>Science Advances</i> , 2019, 5, eaaw0109.	10.3	20
36	Transmission and Age Impact the Risk of Developing Febrile Malaria in Children with Asymptomatic <i>Plasmodium falciparum</i> Parasitemia. <i>Journal of Infectious Diseases</i> , 2019, 219, 936-944.	4.0	20

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37	CD4 T Cell Responses to a Variant Antigen of the Malaria Parasite <i>Plasmodium falciparum</i> , Erythrocyte Membrane Protein 1, in Individuals Living in Malaria-Endemic Areas. <i>Journal of Infectious Diseases</i> , 2002, 185, 812-819.	4.0	19
38	Malaria exposure drives both cognate and bystander human B cells to adopt an atypical phenotype. <i>European Journal of Immunology</i> , 2020, 50, 1187-1194.	2.9	19
39	Prevalence and predictors of vitamin D deficiency in young African children. <i>BMC Medicine</i> , 2021, 19, 115.	5.5	17
40	Effect of HIV infection on the acute antibody response to malaria antigens in children: an observational study. <i>Malaria Journal</i> , 2011, 10, 55.	2.3	16
41	Longitudinal Analysis of Infant Stool Bacteria Communities Before and After Acute Febrile Malaria and Artemether-Lumefantrine Treatment. <i>Journal of Infectious Diseases</i> , 2019, 220, 687-698.	4.0	16
42	The Impact of Malaria Parasites on Dendritic Cell-T Cell Interaction. <i>Frontiers in Immunology</i> , 2020, 11, 1597.	4.8	15
43	TRUE-1: Trial of Repurposed Unithiol for snakebite Envenoming phase 1 (safety, tolerability, Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 90.	1.8	13
44	A seven-year study on the effect of the pre-erythrocytic malaria vaccine candidate RTS,S/AS01E on blood stage immunity in young Kenyan children. <i>Wellcome Open Research</i> , 2019, 4, 42.	1.8	10
45	Vitamin D Deficiency and Its Association with Iron Deficiency in African Children. <i>Nutrients</i> , 2022, 14, 1372.	4.1	10
46	Seven-year kinetics of RTS, S/AS01-induced anti-CSP antibodies in young Kenyan children. <i>Malaria Journal</i> , 2021, 20, 452.	2.3	10
47	Controlled human malaria infection (CHMI) outcomes in Kenyan adults is associated with prior history of malaria exposure and anti-schizont antibody response. <i>BMC Infectious Diseases</i> , 2022, 22, 86.	2.9	9
48	Iron Deficiency Is Associated With Reduced Levels of <i>Plasmodium falciparum</i> -specific Antibodies in African Children. <i>Clinical Infectious Diseases</i> , 2020, 73, 43-49.	5.8	8
49	10-year longitudinal study of malaria in children: Insights into acquisition and maintenance of naturally acquired immunity. <i>Wellcome Open Research</i> , 2021, 6, 79.	1.8	7
50	Individual-level variations in malaria susceptibility and acquisition of clinical protection. <i>Wellcome Open Research</i> , 2021, 6, 22.	1.8	6
51	Memory B-Cell Responses Against Merozoite Antigens After Acute <i>Plasmodium falciparum</i> Malaria, Assessed Over One Year Using a Novel Multiplexed FluoroSpot Assay. <i>Frontiers in Immunology</i> , 2020, 11, 619398.	4.8	6
52	Transcriptomic signatures induced by the Ebola virus vaccine rVSV-G-ZEBOV-GP in adult cohorts in Europe, Africa, and North America: a molecular biomarker study. <i>Lancet Microbe</i> , 2022, 3, e113-e123.	7.3	6
53	Individual-level variations in malaria susceptibility and acquisition of clinical protection. <i>Wellcome Open Research</i> , 0, 6, 22.	1.8	4
54	10-year longitudinal study of malaria in children: Insights into acquisition and maintenance of naturally acquired immunity. <i>Wellcome Open Research</i> , 0, 6, 79.	1.8	4

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55	Plasmodium falciparum-Specific Memory B-Cell and Antibody Responses Are Associated With Immunity in Children Living in an Endemic Area of Kenya. <i>Frontiers in Immunology</i> , 2022, 13, 799306.	4.8	3
56	Impact of Plasmodium falciparum small-sized extracellular vesicles on host peripheral blood mononuclear cells. <i>Wellcome Open Research</i> , 0, 5, 197.	1.8	1
57	Comparing drug regimens for clearance of malaria parasites in asymptomatic adults using PCR in Kilifi County, Kenya: an open-label randomised controlled clinical trial (MalPaC). <i>Wellcome Open Research</i> , 0, 5, 36.	1.8	1
58	Vitamin D Deficiency in Young African Children. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
59	Impact of Plasmodium falciparum small-sized extracellular vesicles on host peripheral blood mononuclear cells. <i>Wellcome Open Research</i> , 0, 5, 197.	1.8	1