# List of Publications by Year in descending order



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|---|---|---|---|
| 108 papers | 5,762 citations | 117571 34 h-index | 91828 69 g-index |
| 116 all docs | 116 docs citations | 116 times ranked | 8763 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Acquired Immunity to Malaria. Clinical Microbiology Reviews, 2009, 22, 13-36. | 5.7 | 981 |
| 2 | Spread of a SARS-CoV-2 variant through Europe in the summer of 2020. Nature, 2021, 595, 707-712. | 13.7 | 363 |
| 3 | Seroprevalence of antibodies against SARS-CoV-2 among health care workers in a large Spanish reference hospital. Nature Communications, 2020, 11, 3500. | 5.8 | 350 |
| 4 | Genetic Diversity and Protective Efficacy of the RTS,S/AS01 Malaria Vaccine. New England Journal of Medicine, 2015, 373, 2025-2037. | 13.9 | 332 |
| 5 | Identification of Plasmodium falciparum antigens by antigenic analysis of genomic and proteomic data. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9952-9957. | 3.3 | 227 |
| 6 | The effect of early treatment with ivermectin on viral load, symptoms and humoral response in patients with non-severe COVID-19: A pilot, double-blind, placebo-controlled, randomized clinical trial. EClinicalMedicine, 2021, 32, 100720. | 3.2 | 157 |
| 7 | A Randomized Placebo-Controlled Trial of Intermittent Preventive Treatment in Pregnant Women in the Context of Insecticide Treated Nets Delivered through the Antenatal Clinic. PLoS ONE, 2008, 3, e1934. | 1.1 | 137 |
| 8 | Relation between circulating CC16 concentrations, lung function, and development of chronic obstructive pulmonary disease across the lifespan: a prospective study. Lancet Respiratory Medicine,the, 2015, 3, 613-620. | 5.2 | 134 |
| 9 | Concentration and avidity of antibodies to different circumsporozoite epitopes correlate with RTS,S/AS01E malaria vaccine efficacy. Nature Communications, 2019, 10, 2174. | 5.8 | 123 |
| 10 | An Autopsy Study of Maternal Mortality in Mozambique: The Contribution of Infectious Diseases. PLoS Medicine, 2008, 5, e44. | 3.9 | 120 |
| 11 | Seven-month kinetics of SARS-CoV-2 antibodies and role of pre-existing antibodies to human coronaviruses. Nature Communications, 2021, 12, 4740. | 5.8 | 104 |
| 12 | Challenges and strategies for developing efficacious and long-lasting malaria vaccines. Science Translational Medicine, 2019, 11, . | 5.8 | 102 |
| 13 | Intermittent Preventive Treatment for Malaria Control Administered at the Time of Routine Vaccinations in Mozambican Infants: A Randomized, Placeboâ€Controlled Trial. Journal of Infectious Diseases, 2006, 194, 276-285. | 1.9 | 101 |
| 14 | Insights into Long-Lasting Protection Induced by RTS,S/AS02A Malaria Vaccine: Further Results from a Phase IIb Trial in Mozambican Children. PLoS ONE, 2009, 4, e5165. | 1.1 | 77 |
| 15 | RTS,S/AS02A Malaria Vaccine Does Not Induce Parasite CSP T Cell Epitope Selection and Reduces Multiplicity of Infection. PLOS Clinical Trials, 2006, 1, e5. | 3.5 | 70 |
| 16 | Baseline exposure, antibody subclass, and hepatitis B response differentially affect malaria protective immunity following RTS,S/AS01E vaccination in African children. BMC Medicine, 2018, 16, 197. | 2.3 | 65 |
| 17 | Induction and decay of functional complement-fixing antibodies by the RTS,S malariaÂvaccine in children, and a negative impact of malaria exposure. BMC Medicine, 2019, 17, 45. | 2.3 | 65 |
| 18 | Highly Sensitive and Specific Multiplex Antibody Assays To Quantify Immunoglobulins M, A, and G against SARS-CoV-2 Antigens. Journal of Clinical Microbiology, 2021, 59, . | 1.8 | 64 |

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|---|---|---|---|
| 19 | Changing Trends inP. falciparumBurden, Immunity, and Disease in Pregnancy. New England Journal of Medicine, 2015, 373, 1607-1617. | 13.9 | 63 |
| 20 | Ambient Air Pollution in Relation to SARS-CoV-2 Infection, Antibody Response, and COVID-19 Disease: A Cohort Study in Catalonia, Spain (COVICAT Study). Environmental Health Perspectives, 2021, 129, 117003. | 2.8 | 58 |
| 21 | Differential Patterns of IgG Subclass Responses to Plasmodium falciparum Antigens in Relation to Malaria Protection and RTS,S Vaccination. Frontiers in Immunology, 2019, 10, 439. | 2.2 | 55 |
| 22 | Immune system development varies according to age, location, and anemia in African children. Science Translational Medicine, 2020, 12, . | 5.8 | 54 |
| 23 | Low antibodies against Plasmodium falciparum and imbalanced pro-inflammatory cytokines are associated with severe malaria in Mozambican children: a caseâ€“control study. Malaria Journal, 2012, 11, 181. | 0.8 | 52 |
| 24 | Performance of Multiplex Commercial Kits to Quantify Cytokine and Chemokine Responses in Culture Supernatants from Plasmodium falciparum Stimulations. PLoS ONE, 2013, 8, e52587. | 1.1 | 52 |
| 25 | Burden and impact of Plasmodium vivax in pregnancy: A multi-centre prospective observational study. PLoS Neglected Tropical Diseases, 2017, 11, e0005606. | 1.3 | 46 |
| 26 | Chronic Exposure to Malaria Is Associated with Inhibitory and Activation Markers on Atypical Memory B Cells and Marginal Zone-Like B Cells. Frontiers in Immunology, 2017, 8, 966. | 2.2 | 45 |
| 27 | Four year immunogenicity of the RTS,S/AS02A malaria vaccine in Mozambican children during a phase IIb trial. Vaccine, 2011, 29, 6059-6067. | 1.7 | 44 |
| 28 | Placental Infection With Plasmodium vivax: A Histopathological and Molecular Study. Journal of Infectious Diseases, 2012, 206, 1904-1910. | 1.9 | 43 |
| 29 | Plasmodium falciparum malaria and invasive bacterial co-infection in young African children: the dysfunctional spleen hypothesis. Malaria Journal, 2014, 13, 335. | 0.8 | 43 |
| 30 | The Effect of Intermittent Preventive Treatment during Pregnancy on Malarial Antibodies Depends on HIV Status and Is Not Associated with Poor Delivery Outcomes. Journal of Infectious Diseases, 2010, 201, 123-131. | 1.9 | 42 |
| 31 | RTS,S Vaccination Is Associated With Serologic Evidence of Decreased Exposure to Plasmodium falciparum Liver- and Blood-Stage Parasites*. Molecular and Cellular Proteomics, 2015, 14, 519-531. | 2.5 | 40 |
| 32 | Parity and Placental Infection Affect Antibody Responses againstPlasmodium falciparumduring Pregnancy. Infection and Immunity, 2011, 79, 1654-1659. | 1.0 | 38 |
| 33 | Improved Pregnancy Outcomes in Women Exposed to Malaria With High Antibody Levels Against Plasmodium falciparum. Journal of Infectious Diseases, 2013, 207, 1664-1674. | 1.9 | 38 |
| 34 | Enhancement of antibody and cellular immune responses to malaria DNA vaccines by in vivo electroporation. Vaccine, 2007, 25, 6635-6645. | 1.7 | 37 |
| 35 | Interleukin-10 (IL-10) Polymorphisms Are Associated with IL-10 Production and Clinical Malaria in Young Children. Infection and Immunity, 2012, 80, 2316-2322. | 1.0 | 36 |
| 36 | OMIPâ€025: Evaluation of human <scp>T</scp>â€•and <scp>NK</scp>â€cell responses including memory and follicular helper phenotype by intracellular cytokine staining. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 289-292. | 1.1 | 36 |

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|---|---|---|---|
| 37 | Age-Dependent IgG Subclass Responses to Plasmodium falciparum EBA-175 Are Differentially Associated with Incidence of Malaria in Mozambican Children. Vaccine Journal, 2012, 19, 157-166. | 3.2 | 34 |
| 38 | Pregnancy and Malaria Exposure Are Associated with Changes in the B Cell Pool and in Plasma Eotaxin Levels. Journal of Immunology, 2014, 193, 2971-2983. | 0.4 | 34 |
| 39 | Malaria and HIV Infection in Mozambican Pregnant Women Are Associated With Reduced Transfer of Antimalarial Antibodies to Their Newborns. Journal of Infectious Diseases, 2015, 211, 1004-1014. | 1.9 | 34 |
| 40 | RTS,S/AS01E Malaria Vaccine Induces Memory and Polyfunctional T Cell Responses in a Pediatric African Phase III Trial. Frontiers in Immunology, 2017, 8, 1008. | 2.2 | 34 |
| 41 | Persistence and baseline determinants of seropositivity and reinfection rates in health care workers up to 12.5 months after COVID-19. BMC Medicine, 2021, 19, 155. | 2.3 | 34 |
| 42 | Comparison of commercial kits to measure cytokine responses to Plasmodium falciparum by multiplex microsphere suspension array technology. Malaria Journal, 2011, 10, 115. | 0.8 | 33 |
| 43 | Antigen-stimulated PBMC transcriptional protective signatures for malaria immunization. Science Translational Medicine, 2020, 12, . | 5.8 | 33 |
| 44 | Blood Interferon Signatures Putatively Link Lack of Protection Conferred by the RTS,S Recombinant Malaria Vaccine to an Antigen-specific IgE Response. F1000Research, 2015, 4, 919. | 0.8 | 33 |
| 45 | Impact of Intermittent Preventive Treatment with Sulfadoxine-Pyrimethamine on Antibody Responses to Erythrocytic-StagePlasmodium falciparumAntigens in Infants in Mozambique. Vaccine Journal, 2008, 15, 1282-1291. | 3.2 | 32 |
| 46 | Impact of the RTS,S Malaria Vaccine Candidate on Naturally Acquired Antibody Responses to Multiple Asexual Blood Stage Antigens. PLoS ONE, 2011, 6, e25779. | 1.1 | 32 |
| 47 | HIV and Placental Infection Modulate the Appearance of Drug-Resistant Plasmodium falciparum in Pregnant Women who Receive Intermittent Preventive Treatment. Clinical Infectious Diseases, 2011, 52, 41-48. | 2.9 | 32 |
| 48 | Duration of vaccine efficacy against malaria: 5th year of follow-up in children vaccinated with RTS,S/AS02 in Mozambique. Vaccine, 2014, 32, 2209-2216. | 1.7 | 32 |
| 49 | Placental Microparticles and MicroRNAs in Pregnant Women with Plasmodium falciparum or HIV Infection. PLoS ONE, 2016, 11, e0146361. | 1.1 | 32 |
| 50 | Targeting antigen to MHC Class I and Class II antigen presentation pathways for malaria DNA vaccines. Immunology Letters, 2007, 111, 92-102. | 1.1 | 30 |
| 51 | The Role of Age and Exposure to Plasmodium falciparum in the Rate of Acquisition of Naturally Acquired Immunity: A Randomized Controlled Trial. PLoS ONE, 2012, 7, e32362. | 1.1 | 30 |
| 52 | RTS,S/AS01E immunization increases antibody responses to vaccine-unrelated Plasmodium falciparum antigens associated with protection against clinical malaria in African children: a case-control study. BMC Medicine, 2019, 17, 157. | 2.3 | 30 |
| 53 | Cytokine and Antibody Responses to Plasmodium falciparum in NaÃ¯ve Individuals during a First Malaria Episode: Effect of Age and Malaria Exposure. PLoS ONE, 2013, 8, e55756. | 1.1 | 29 |
| 54 | Molecular Markers of Resistance to Sulfadoxineâ€Pyrimethamine during Intermittent Preventive Treatment for Malaria in Mozambican Infants. Journal of Infectious Diseases, 2008, 197, 1737-1742. | 1.9 | 28 |

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|---|---|---|---|
| 55 | Genetic and epigenetic regulation of YKL-40 in childhood. Journal of Allergy and Clinical Immunology, 2018, 141, 1105-1114. | 1.5 | 27 |
| 56 | Antibody responses to Î±-Gal in African children vary with age and site and are associated with malaria protection. Scientific Reports, 2018, 8, 9999. | 1.6 | 26 |
| 57 | High Antibody Responses against Plasmodium falciparum in Immigrants after Extended Periods of Interrupted Exposure to Malaria. PLoS ONE, 2013, 8, e73624. | 1.1 | 25 |
| 58 | Distinct Helper T Cell Type 1 and 2 Responses Associated With Malaria Protection and Risk in RTS,S/AS01E Vaccinees. Clinical Infectious Diseases, 2017, 65, 746-755. | 2.9 | 25 |
| 59 | drLumi: An open-source package to manage data, calibrate, and conduct quality control of multiplex bead-based immunoassays data analysis. PLoS ONE, 2017, 12, e0187901. | 1.1 | 25 |
| 60 | Cytokine Profiling in Immigrants with Clinical Malaria after Extended Periods of Interrupted Exposure to Plasmodium falciparum. PLoS ONE, 2013, 8, e73360. | 1.1 | 24 |
| 61 | Modulation of innate immune responses at birth by prenatal malaria exposure and association with malaria risk during the first year of life. BMC Medicine, 2018, 16, 198. | 2.3 | 24 |
| 62 | Blood oxidative stress markers and <scp>P</scp>lasmodium falciparum malaria in nonâ€immune <scp>A</scp>frican children. British Journal of Haematology, 2014, 164, 438-450. | 1.2 | 22 |
| 63 | Development of quantitative suspension array assays for six immunoglobulin isotypes and subclasses to multiple Plasmodium falciparum antigens. Journal of Immunological Methods, 2018, 455, 41-54. | 0.6 | 22 |
| 64 | Transcription of var Genes Other Than var2csa in Plasmodium falciparum Parasites Infecting Mozambican Pregnant Women. Journal of Infectious Diseases, 2011, 204, 27-35. | 1.9 | 21 |
| 65 | Reduction of Antimalarial Antibodies by HIV Infection Is Associated With Increased Risk of Plasmodium falciparum Cord Blood Infection. Journal of Infectious Diseases, 2012, 205, 568-577. | 1.9 | 19 |
| 66 | Proinflammatory Responses and Higher IL-10 Production by T Cells Correlate with Protection against Malaria during Pregnancy and Delivery Outcomes. Journal of Immunology, 2015, 194, 3275-3285. | 0.4 | 19 |
| 67 | Optimization of incubation conditions of Plasmodium falciparum antibody multiplex assays to measure IgG, IgG1â€“4, IgM and IgE using standard and customized reference pools for sero-epidemiological and vaccine studies. Malaria Journal, 2018, 17, 219. | 0.8 | 19 |
| 68 | Blood Interferon Signatures Putatively Link Lack of Protection Conferred by the RTS,S Recombinant Malaria Vaccine to an Antigen-specific IgE Response. F1000Research, 2015, 4, 919. | 0.8 | 19 |
| 69 | Impact of age of first exposure to Plasmodium falciparum on antibody responses to malaria in children: a randomized, controlled trial in Mozambique. Malaria Journal, 2014, 13, 121. | 0.8 | 18 |
| 70 | Identifying Immune Correlates of Protection Against Plasmodium falciparum Through a Novel Approach to Account for Heterogeneity in Malaria Exposure. Clinical Infectious Diseases, 2018, 66, 586-593. | 2.9 | 18 |
| 71 | Plasmodium vivax VIR Proteins Are Targets of Naturally-Acquired Antibody and T Cell Immune Responses to Malaria in Pregnant Women. PLoS Neglected Tropical Diseases, 2016, 10, e0005009. | 1.3 | 18 |
| 72 | Differential Antibody Responses toPlasmodium falciparumMerozoite Proteins in Malawian Children with Severe Malaria. Journal of Infectious Diseases, 2008, 197, 766-774. | 1.9 | 17 |

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|---|---|---|---|
| 73 | Quantification of Multiple Cytokines and Chemokines Using Cytometric Bead Arrays. Methods in Molecular Biology, 2014, 1172, 65-86. | 0.4 | 17 |
| 74 | A direct comparison of real time PCR on plasma and blood to detect Plasmodium falciparum infection in children. Malaria Journal, 2012, 11, 201. | 0.8 | 16 |
| 75 | Analysis of factors affecting the variability of a quantitative suspension bead array assay measuring IgG to multiple Plasmodium antigens. PLoS ONE, 2018, 13, e0199278. | 1.1 | 16 |
| 76 | The SARS-CoV-2 Ivermectin Navarra-ISGlobal Trial (SAINT) to Evaluate the Potential of Ivermectin to Reduce COVID-19 Transmission in low risk, non-severe COVID-19 patients in the first 48 hours after symptoms onset: A structured summary of a study protocol for a randomized control pilot trial. Trials, 2020, 21, 498. | 0.7 | 16 |
| 77 | Plasmodium: Mammalian codon optimization of malaria plasmid DNA vaccines enhances antibody responses but not T cell responses nor protective immunity. Experimental Parasitology, 2009, 122, 112-123. | 0.5 | 15 |
| 78 | Plasma advanced oxidative protein products are associated with anti-oxidative stress pathway genes and malaria in a longitudinal cohort. Malaria Journal, 2014, 13, 134. | 0.8 | 15 |
| 79 | Immunosuppressive and angiogenic cytokine profile associated with Bartonella bacilliformis infection in post-outbreak and endemic areas of Carrion's disease in Peru. PLoS Neglected Tropical Diseases, 2017, 11, e0005684. | 1.3 | 15 |
| 80 | Antibody responses to the RTS,S/AS01E vaccine and Plasmodium falciparum antigens after a booster dose within the phase 3 trial in Mozambique. Npj Vaccines, 2020, 5, 46. | 2.9 | 15 |
| 81 | Multiplexing detection of IgG against Plasmodium falciparum pregnancy-specific antigens. PLoS ONE, 2017, 12, e0181150. | 1.1 | 14 |
| 82 | Development of a high-throughput flexible quantitative suspension array assay for IgG against multiple Plasmodium falciparum antigens. Malaria Journal, 2018, 17, 216. | 0.8 | 14 |
| 83 | Transcriptionally active PCR for antigen identification and vaccine development: In vitro genome-wide screening and in vivo immunogenicity. Molecular and Biochemical Parasitology, 2008, 158, 32-45. | 0.5 | 13 |
| 84 | Assessment of the Combined Effect of Epsteinâ€“Barr Virus and Plasmodium falciparum Infections on Endemic Burkitt Lymphoma Using a Multiplex Serological Approach. Frontiers in Immunology, 2017, 8, 1284. | 2.2 | 13 |
| 85 | High production of pro-inflammatory cytokines by maternal blood mononuclear cells is associated with reduced maternal malaria but increased cord blood infection. Malaria Journal, 2018, 17, 177. | 0.8 | 13 |
| 86 | Persistence of Plasmodium falciparum Parasites in Infected Pregnant Mozambican Women after Delivery. Infection and Immunity, 2011, 79, 298-304. | 1.0 | 12 |
| 87 | Immunoglobulins against the surface of Plasmodium falciparum- infected erythrocytes increase one month after delivery. Malaria Journal, 2012, 11, 130. | 0.8 | 11 |
| 88 | Naturally Acquired Binding-Inhibitory Antibodies to Plasmodium vivax Duffy Binding Protein in Pregnant Women Are Associated with Higher Birth Weight in a Multicenter Study. Frontiers in Immunology, 2017, 8, 163. | 2.2 | 11 |
| 89 | Reduced Placental Transfer of Antibodies Against a Wide Range of Microbial and Vaccine Antigens in HIV-Infected Women in Mozambique. Frontiers in Immunology, 2021, 12, 614246. | 2.2 | 11 |
| 90 | VAR2CSA Signatures of High Plasmodium falciparum Parasitemia in the Placenta. PLoS ONE, 2013, 8, e69753. | 1.1 | 11 |

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|---|---|---|---|
| 91 | Intermittent preventive treatment with sulfadoxine-pyrimethamine does not modify plasma cytokines and chemokines or intracellular cytokine responses to Plasmodium falciparum in Mozambican Children. BMC Immunology, 2012, 13, 5. | 0.9 | 10 |
| 92 | RTS,S/AS01E malaria vaccine induces IgA responses against CSP and vaccine-unrelated antigens in African children in the phase 3 trial. Vaccine, 2021, 39, 687-698. | 1.7 | 9 |
| 93 | Naturally Acquired Immunity (NAI). , 2018, , 1-15. | | 9 |
| 94 | VAR2CSA Serology to Detect Plasmodium falciparum Transmission Patterns in Pregnancy. Emerging Infectious Diseases, 2019, 25, 1851-1860. | 2.0 | 8 |
| 95 | A Balanced Proinflammatory and Regulatory Cytokine Signature in Young African Children Is Associated With Lower Risk of Clinical Malaria. Clinical Infectious Diseases, 2019, 69, 820-828. | 2.9 | 8 |
| 96 | Cytokine signatures ofÂPlasmodium vivax infection during pregnancy and delivery outcomes. PLoS Neglected Tropical Diseases, 2020, 14, e0008155. | 1.3 | 8 |
| 97 | Associations between pre- and postnatal exposure to air pollution and lung health in children and assessment of CC16 as a potential mediator. Environmental Research, 2022, 204, 111900. | 3.7 | 8 |
| 98 | Plasmodium falciparum and Helminth Coinfections Increase IgE and Parasite-Specific IgG Responses. Microbiology Spectrum, 2021, 9, e0110921. | 1.2 | 8 |
| 99 | IgG against Plasmodium falciparum variant surface antigens and growth inhibitory antibodies in Mozambican children receiving intermittent preventive treatment with sulfadoxine-pyrimethamine. Immunobiology, 2011, 216, 793-802. | 0.8 | 7 |
| 100 | HIV infection and placental malaria reduce maternal transfer of multiple antimalarial antibodies in Mozambican women. Journal of Infection, 2021, 82, 45-57. | 1.7 | 7 |
| 101 | IgM and IgG against Plasmodium falciparum lysate as surrogates of malaria exposure and protection during pregnancy. Malaria Journal, 2018, 17, 182. | 0.8 | 6 |
| 102 | Changing plasma cytokine, chemokine and growth factor profiles upon differing malaria transmission intensities. Malaria Journal, 2019, 18, 406. | 0.8 | 6 |
| 103 | Association of Maternal Factors and HIV Infection With Innate Cytokine Responses of Delivering Mothers and Newborns in Mozambique. Frontiers in Microbiology, 2020, 11, 1452. | 1.5 | 6 |
| 104 | Strong off-target antibody reactivity to malarial antigens induced by RTS,S/AS01E vaccination is associated with protection. JCI Insight, 2022, 7, . | 2.3 | 6 |
| 105 | Blood cytokine, chemokine and growth factor profiling in a cohort of pregnant women from tropical countries. Cytokine, 2020, 125, 154818. | 1.4 | 4 |
| 106 | Transcriptional correlates of malaria in RTS,S/AS01-vaccinated African children: a matched caseâ€“control study. ELife, 2022, 11, . | 2.8 | 4 |
| 107 | Understanding protective immune mechanisms induced by malaria vaccines in the context of clinical trials. Hum Vaccin, 2009, 5, 562-565. | 2.4 | 3 |
| 108 | Cord Blood IL-12 Confers Protection to Clinical Malaria in Early Childhood Life. Scientific Reports, 2018, 8, 10860. | 1.6 | 2 |