

Chris J Janse

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149
papers

10,227
citations

52
h-index

98
g-index

160
ext. papers

12,131
ext. citations

9.5
avg, IF

5.47
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 149 | A comprehensive survey of the Plasmodium life cycle by genomic, transcriptomic, and proteomic analyses. <i>Science</i> , 2005 , 307, 82-6 | 33.3 | 662 |
| 148 | Genome sequence and comparative analysis of the model rodent malaria parasite Plasmodium yoelii yoelii. <i>Nature</i> , 2002 , 419, 512-9 | 50.4 | 591 |
| 147 | Complement-like protein TEP1 is a determinant of vectorial capacity in the malaria vector Anopheles gambiae. <i>Cell</i> , 2004 , 116, 661-70 | 56.2 | 455 |
| 146 | High-efficiency transfection and drug selection of genetically transformed blood stages of the rodent malaria parasite Plasmodium berghei. <i>Nature Protocols</i> , 2006 , 1, 346-56 | 18.8 | 414 |
| 145 | A Plasmodium berghei reference line that constitutively expresses GFP at a high level throughout the complete life cycle. <i>Molecular and Biochemical Parasitology</i> , 2004 , 137, 23-33 | 1.9 | 393 |
| 144 | High efficiency transfection of Plasmodium berghei facilitates novel selection procedures. <i>Molecular and Biochemical Parasitology</i> , 2006 , 145, 60-70 | 1.9 | 341 |
| 143 | Regulation of sexual development of Plasmodium by translational repression. <i>Science</i> , 2006 , 313, 667-9 | 33.3 | 333 |
| 142 | Proteome analysis of separated male and female gametocytes reveals novel sex-specific Plasmodium biology. <i>Cell</i> , 2005 , 121, 675-87 | 56.2 | 290 |
| 141 | A central role for P48/45 in malaria parasite male gamete fertility. <i>Cell</i> , 2001 , 104, 153-64 | 56.2 | 283 |
| 140 | Murine malaria parasite sequestration: CD36 is the major receptor, but cerebral pathology is unlinked to sequestration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 11468-73 | 11.5 | 239 |
| 139 | Circumsporozoite protein is required for development of malaria sporozoites in mosquitoes. <i>Nature</i> , 1997 , 385, 336-40 | 50.4 | 231 |
| 138 | Genetically attenuated, P36p-deficient malarial sporozoites induce protective immunity and apoptosis of infected liver cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 12194-9 | 11.5 | 217 |
| 137 | Universal features of post-transcriptional gene regulation are critical for Plasmodium zygote development. <i>PLoS Pathogens</i> , 2010 , 6, e1000767 | 7.6 | 180 |
| 136 | Visualisation and quantitative analysis of the rodent malaria liver stage by real time imaging. <i>PLoS ONE</i> , 2009 , 4, e7881 | 3.7 | 179 |
| 135 | A comprehensive evaluation of rodent malaria parasite genomes and gene expression. <i>BMC Biology</i> , 2014 , 12, 86 | 7.3 | 174 |
| 134 | Proteomic profiling of Plasmodium sporozoite maturation identifies new proteins essential for parasite development and infectivity. <i>PLoS Pathogens</i> , 2008 , 4, e1000195 | 7.6 | 164 |
| 133 | Molecular genetics and comparative genomics reveal RNAi is not functional in malaria parasites. <i>Nucleic Acids Research</i> , 2009 , 37, 3788-98 | 20.1 | 148 |

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|-----|--|------|-----|
| 132 | Three members of the 6-cys protein family of Plasmodium play a role in gamete fertility. <i>PLoS Pathogens</i> , 2010 , 6, e1000853 | 7.6 | 145 |
| 131 | Integrated transcriptomic and proteomic analyses of <i>P. falciparum</i> gametocytes: molecular insight into sex-specific processes and translational repression. <i>Nucleic Acids Research</i> , 2016 , 44, 6087-101 | 20.1 | 143 |
| 130 | A role for natural regulatory T cells in the pathogenesis of experimental cerebral malaria. <i>American Journal of Pathology</i> , 2007 , 171, 548-59 | 5.8 | 142 |
| 129 | A cyclic GMP signalling module that regulates gliding motility in a malaria parasite. <i>PLoS Pathogens</i> , 2009 , 5, e1000599 | 7.6 | 133 |
| 128 | A Plasmodium whole-genome synteny map: indels and synteny breakpoints as foci for species-specific genes. <i>PLoS Pathogens</i> , 2005 , 1, e44 | 7.6 | 115 |
| 127 | The malaria secretome: from algorithms to essential function in blood stage infection. <i>PLoS Pathogens</i> , 2008 , 4, e1000084 | 7.6 | 112 |
| 126 | Novel inhibitors of Plasmodium falciparum dihydroorotate dehydrogenase with anti-malarial activity in the mouse model. <i>Journal of Biological Chemistry</i> , 2010 , 285, 33054-33064 | 5.4 | 105 |
| 125 | The Plasmodium TRAP/MIC2 family member, TRAP-Like Protein (TLP), is involved in tissue traversal by sporozoites. <i>Cellular Microbiology</i> , 2008 , 10, 1505-16 | 3.9 | 87 |
| 124 | The development of genetic tools for dissecting the biology of malaria parasites. <i>Annual Review of Microbiology</i> , 2000 , 54, 157-85 | 17.5 | 87 |
| 123 | Long-term live imaging reveals cytosolic immune responses of host hepatocytes against Plasmodium infection and parasite escape mechanisms. <i>Autophagy</i> , 2015 , 11, 1561-79 | 10.2 | 84 |
| 122 | The selectable marker human dihydrofolate reductase enables sequential genetic manipulation of the Plasmodium berghei genome. <i>Molecular and Biochemical Parasitology</i> , 2000 , 106, 199-212 | 1.9 | 82 |
| 121 | Plasmepsin 4-deficient Plasmodium berghei are virulence attenuated and induce protective immunity against experimental malaria. <i>American Journal of Pathology</i> , 2010 , 176, 205-17 | 5.8 | 81 |
| 120 | Pfs47, paralog of the male fertility factor Pfs48/45, is a female specific surface protein in Plasmodium falciparum. <i>Molecular and Biochemical Parasitology</i> , 2006 , 149, 216-22 | 1.9 | 81 |
| 119 | Selection by flow-sorting of genetically transformed, GFP-expressing blood stages of the rodent malaria parasite, Plasmodium berghei. <i>Nature Protocols</i> , 2006 , 1, 614-23 | 18.8 | 81 |
| 118 | Sequestration and tissue accumulation of human malaria parasites: can we learn anything from rodent models of malaria?. <i>PLoS Pathogens</i> , 2010 , 6, e1001032 | 7.6 | 80 |
| 117 | Reduced CD36-dependent tissue sequestration of Plasmodium-infected erythrocytes is detrimental to malaria parasite growth in vivo. <i>Journal of Experimental Medicine</i> , 2012 , 209, 93-107 | 16.6 | 79 |
| 116 | Egress of Plasmodium berghei gametes from their host erythrocyte is mediated by the MDV-1/PEG3 protein. <i>Cellular Microbiology</i> , 2009 , 11, 1272-88 | 3.9 | 78 |
| 115 | Gene disruption of Plasmodium falciparum p52 results in attenuation of malaria liver stage development in cultured primary human hepatocytes. <i>PLoS ONE</i> , 2008 , 3, e3549 | 3.7 | 78 |

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|-----|--|------|----|
| 114 | A novel gene insertion/marker out(GIMO) method for transgene expression and gene complementation in rodent malaria parasites. <i>PLoS ONE</i> , 2011 , 6, e29289 | 3.7 | 78 |
| 113 | Real-time in vivo imaging of transgenic bioluminescent blood stages of rodent malaria parasites in mice. <i>Nature Protocols</i> , 2006 , 1, 476-85 | 18.8 | 76 |
| 112 | Natural Parasite Exposure Induces Protective Human Anti-Malarial Antibodies. <i>Immunity</i> , 2017 , 47, 1197-1209.e10 | 32.9 | 70 |
| 111 | Transfection of the primate malaria parasite <i>Plasmodium knowlesi</i> using entirely heterologous constructs. <i>Journal of Experimental Medicine</i> , 1997 , 185, 1499-503 | 16.6 | 70 |
| 110 | Functional characterization of the <i>Plasmodium falciparum</i> and <i>P. berghei</i> homologues of macrophage migration inhibitory factor. <i>Infection and Immunity</i> , 2007 , 75, 1116-28 | 3.7 | 69 |
| 109 | CD8+ T Cells Induce Fatal Brainstem Pathology during Cerebral Malaria via Luminal Antigen-Specific Engagement of Brain Vasculature. <i>PLoS Pathogens</i> , 2016 , 12, e1006022 | 7.6 | 68 |
| 108 | Functional equivalence of structurally distinct ribosomes in the malaria parasite, <i>Plasmodium berghei</i> . <i>Journal of Biological Chemistry</i> , 2001 , 276, 22638-47 | 5.4 | 67 |
| 107 | Hemozoin induces lung inflammation and correlates with malaria-associated acute respiratory distress syndrome. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 48, 589-600 | 5.7 | 66 |
| 106 | Two <i>Plasmodium</i> 6-Cys family-related proteins have distinct and critical roles in liver-stage development. <i>FASEB Journal</i> , 2014 , 28, 2158-70 | 0.9 | 64 |
| 105 | <i>Plasmodium</i> post-genomics: better the bug you know?. <i>Nature Reviews Microbiology</i> , 2006 , 4, 344-57 | 22.2 | 58 |
| 104 | Genome-wide RIP-Chip analysis of translational repressor-bound mRNAs in the <i>Plasmodium</i> gametocyte. <i>Genome Biology</i> , 2014 , 15, 493 | 18.3 | 57 |
| 103 | A <i>Plasmodium</i> phospholipase is involved in disruption of the liver stage parasitophorous vacuole membrane. <i>PLoS Pathogens</i> , 2015 , 11, e1004760 | 7.6 | 56 |
| 102 | Assessing the adequacy of attenuation of genetically modified malaria parasite vaccine candidates. <i>Vaccine</i> , 2012 , 30, 2662-70 | 4.1 | 56 |
| 101 | Genetically attenuated P36p-deficient <i>Plasmodium berghei</i> sporozoites confer long-lasting and partial cross-species protection. <i>International Journal for Parasitology</i> , 2007 , 37, 1511-9 | 4.3 | 56 |
| 100 | A <i>Plasmodium</i> -encoded cytokine suppresses T-cell immunity during malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E2117-26 | 11.5 | 55 |
| 99 | A genetically attenuated malaria vaccine candidate based on <i>P. falciparum</i> b9/slarp gene-deficient sporozoites. <i>ELife</i> , 2014 , 3, | 8.9 | 53 |
| 98 | Unravelling the immune signature of <i>Plasmodium falciparum</i> transmission-reducing immunity. <i>Nature Communications</i> , 2018 , 9, 558 | 17.4 | 52 |
| 97 | Proteomic and genetic analyses demonstrate that <i>Plasmodium berghei</i> blood stages export a large and diverse repertoire of proteins. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 426-48 | 7.6 | 52 |

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|----|--|------|----|
| 96 | Going live: a comparative analysis of the suitability of the RFP derivatives RedStar, mCherry and tdTomato for intravital and in vitro live imaging of Plasmodium parasites. <i>Biotechnology Journal</i> , 2009 , 4, 895-902 | 5.6 | 50 |
| 95 | Control of disease tolerance to malaria by nitric oxide and carbon monoxide. <i>Cell Reports</i> , 2014 , 8, 126-36 | 6.6 | 49 |
| 94 | The glutathione biosynthetic pathway of Plasmodium is essential for mosquito transmission. <i>PLoS Pathogens</i> , 2009 , 5, e1000302 | 7.6 | 48 |
| 93 | A conserved U-rich RNA region implicated in regulation of translation in Plasmodium female gametocytes. <i>Nucleic Acids Research</i> , 2008 , 36, 1176-86 | 20.1 | 47 |
| 92 | Replication of Plasmodium in reticulocytes can occur without hemozoin formation, resulting in chloroquine resistance. <i>Journal of Experimental Medicine</i> , 2015 , 212, 893-903 | 16.6 | 46 |
| 91 | A genotype and phenotype database of genetically modified malaria-parasites. <i>Trends in Parasitology</i> , 2011 , 27, 31-9 | 6.4 | 45 |
| 90 | Rodent blood-stage Plasmodium survive in dendritic cells that infect naive mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 11205-10 | 11.5 | 44 |
| 89 | Prime and target immunization protects against liver-stage malaria in mice. <i>Science Translational Medicine</i> , 2018 , 10, | 17.5 | 43 |
| 88 | Flow cytometric screening of blood samples for malaria parasites. <i>Cytometry</i> , 1993 , 14, 276-80 | | 42 |
| 87 | Genome-Scale Identification of Essential Metabolic Processes for Targeting the Plasmodium Liver Stage. <i>Cell</i> , 2019 , 179, 1112-1128.e26 | 56.2 | 41 |
| 86 | Genetic engineering of attenuated malaria parasites for vaccination. <i>Current Opinion in Biotechnology</i> , 2012 , 23, 908-16 | 11.4 | 41 |
| 85 | Malaria parasites lacking eef1a have a normal S/M phase yet grow more slowly due to a longer G1 phase. <i>Molecular Microbiology</i> , 2003 , 50, 1539-51 | 4.1 | 41 |
| 84 | Comparative assessment of vaccine vectors encoding ten malaria antigens identifies two protective liver-stage candidates. <i>Scientific Reports</i> , 2015 , 5, 11820 | 4.9 | 40 |
| 83 | Neutralization of the Plasmodium-encoded MIF ortholog confers protective immunity against malaria infection. <i>Nature Communications</i> , 2018 , 9, 2714 | 17.4 | 40 |
| 82 | Transgenic fluorescent Plasmodium cynomolgi liver stages enable live imaging and purification of Malaria hypnozoite-forms. <i>PLoS ONE</i> , 2013 , 8, e54888 | 3.7 | 40 |
| 81 | Glutathione reductase-null malaria parasites have normal blood stage growth but arrest during development in the mosquito. <i>Journal of Biological Chemistry</i> , 2010 , 285, 27045-27056 | 5.4 | 39 |
| 80 | The machinery underlying malaria parasite virulence is conserved between rodent and human malaria parasites. <i>Nature Communications</i> , 2016 , 7, 11659 | 17.4 | 39 |
| 79 | The Plasmodium falciparum Cell-Traversal Protein for Ookinetes and Sporozoites as a Candidate for Preerythrocytic and Transmission-Blocking Vaccines. <i>Infection and Immunity</i> , 2017 , 85, | 3.7 | 38 |

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| 78 | Replication, expression and segregation of plasmid-borne DNA in genetically transformed malaria parasites. <i>Molecular and Biochemical Parasitology</i> , 1997 , 86, 155-62 | 1.9 | 38 |
| 77 | A putative homologue of CDC20/CDH1 in the malaria parasite is essential for male gamete development. <i>PLoS Pathogens</i> , 2012 , 8, e1002554 | 7.6 | 37 |
| 76 | Loss-of-function analyses defines vital and redundant functions of the Plasmodium rhomboid protease family. <i>Molecular Microbiology</i> , 2013 , 88, 318-38 | 4.1 | 34 |
| 75 | Distinct properties of the egress-related osmiophilic bodies in male and female gametocytes of the rodent malaria parasite Plasmodium berghei. <i>Cellular Microbiology</i> , 2015 , 17, 355-68 | 3.9 | 34 |
| 74 | Analysis of mutant Plasmodium berghei parasites lacking expression of multiple PbCCp genes. <i>Molecular and Biochemical Parasitology</i> , 2009 , 163, 1-7 | 1.9 | 34 |
| 73 | Variant Exported Blood-Stage Proteins Encoded by Plasmodium Multigene Families Are Expressed in Liver Stages Where They Are Exported into the Parasitophorous Vacuole. <i>PLoS Pathogens</i> , 2016 , 12, e1005917 | 7.6 | 34 |
| 72 | Removal of heterologous sequences from Plasmodium falciparum mutants using FLPe-recombinase. <i>PLoS ONE</i> , 2010 , 5, e15121 | 3.7 | 33 |
| 71 | Mechanisms of pyrimethamine resistance in two different strains of Plasmodium berghei. <i>Molecular and Biochemical Parasitology</i> , 1994 , 68, 167-71 | 1.9 | 33 |
| 70 | CCR4-associated factor 1 coordinates the expression of Plasmodium falciparum egress and invasion proteins. <i>Eukaryotic Cell</i> , 2011 , 10, 1257-63 | | 32 |
| 69 | Plasmodium lipid rafts contain proteins implicated in vesicular trafficking and signalling as well as members of the PIR superfamily, potentially implicated in host immune system interactions. <i>Proteomics</i> , 2008 , 8, 2500-13 | 4.8 | 32 |
| 68 | Experimentally controlled downregulation of the histone chaperone FACT in Plasmodium berghei reveals that it is critical to male gamete fertility. <i>Cellular Microbiology</i> , 2011 , 13, 1956-74 | 3.9 | 30 |
| 67 | Localisation and timing of expression of putative Plasmodium berghei rhoptry proteins in merozoites and sporozoites. <i>Molecular and Biochemical Parasitology</i> , 2009 , 166, 22-31 | 1.9 | 30 |
| 66 | Heterogeneous ribosome populations are present in Plasmodium berghei during development in its vector. <i>Molecular Microbiology</i> , 1999 , 31, 253-60 | 4.1 | 29 |
| 65 | Rapid Generation of Marker-Free P. falciparum Fluorescent Reporter Lines Using Modified CRISPR/Cas9 Constructs and Selection Protocol. <i>PLoS ONE</i> , 2016 , 11, e0168362 | 3.7 | 29 |
| 64 | The Plasmodium palmitoyl-S-acyl-transferase DHHC2 is essential for ookinete morphogenesis and malaria transmission. <i>Scientific Reports</i> , 2015 , 5, 16034 | 4.9 | 28 |
| 63 | Plasmodium falciparum Rab5B is an N-terminally myristoylated Rab GTPase that is targeted to the parasite's plasma and food vacuole membranes. <i>PLoS ONE</i> , 2014 , 9, e87695 | 3.7 | 27 |
| 62 | Rational development of a protective P. vivax vaccine evaluated with transgenic rodent parasite challenge models. <i>Scientific Reports</i> , 2017 , 7, 46482 | 4.9 | 26 |
| 61 | Probabilistic data integration identifies reliable gametocyte-specific proteins and transcripts in malaria parasites. <i>Scientific Reports</i> , 2018 , 8, 410 | 4.9 | 26 |

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| 60 | Aminoindoles, a novel scaffold with potent activity against Plasmodium falciparum. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 2612-22 | 5.9 | 26 |
| 59 | Development of the piggyBac transposable system for Plasmodium berghei and its application for random mutagenesis in malaria parasites. <i>BMC Genomics</i> , 2011 , 12, 155 | 4.5 | 24 |
| 58 | Quantitative analysis of Plasmodium berghei liver stages by bioluminescence imaging. <i>Methods in Molecular Biology</i> , 2013 , 923, 429-43 | 1.4 | 23 |
| 57 | The novel putative transporter NPT1 plays a critical role in early stages of Plasmodium berghei sexual development. <i>Molecular Microbiology</i> , 2011 , 81, 1343-57 | 4.1 | 22 |
| 56 | Generation of Transgenic Rodent Malaria Parasites Expressing Human Malaria Parasite Proteins. <i>Methods in Molecular Biology</i> , 2015 , 1325, 257-86 | 1.4 | 21 |
| 55 | Plasmodium Cysteine Repeat Modular Proteins 3 and 4 are essential for malaria parasite transmission from the mosquito to the host. <i>Malaria Journal</i> , 2011 , 10, 71 | 3.6 | 21 |
| 54 | Malaria parasite LIMP protein regulates sporozoite gliding motility and infectivity in mosquito and mammalian hosts. <i>ELife</i> , 2017 , 6, | 8.9 | 21 |
| 53 | Plasmodium liver load following parenteral sporozoite administration in rodents. <i>Vaccine</i> , 2013 , 31, 3410-6 | 4.6 | 20 |
| 52 | Hybridization and pre-zygotic reproductive barriers in Plasmodium. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20143027 | 4.4 | 20 |
| 51 | Has the time come for us to complement our malaria parasites?. <i>Trends in Parasitology</i> , 2011 , 27, 1-2 | 6.4 | 19 |
| 50 | Towards systematic identification of Plasmodium essential genes by transposon shuttle mutagenesis. <i>Nucleic Acids Research</i> , 2005 , 33, e174 | 20.1 | 19 |
| 49 | Transcriptome analysis of Plasmodium berghei during exo-erythrocytic development. <i>Malaria Journal</i> , 2019 , 18, 330 | 3.6 | 18 |
| 48 | Maternally supplied S-acyl-transferase is required for crystalloid organelle formation and transmission of the malaria parasite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7183-8 | 11.5 | 18 |
| 47 | Tailoring a Plasmodium vivax Vaccine To Enhance Efficacy through a Combination of a CSP Virus-Like Particle and TRAP Viral Vectors. <i>Infection and Immunity</i> , 2018 , 86, | 3.7 | 18 |
| 46 | Computer software for testing drug susceptibility of malaria parasites. <i>Cytometry</i> , 1995 , 19, 273-81 | | 18 |
| 45 | Signatures of malaria-associated pathology revealed by high-resolution whole-blood transcriptomics in a rodent model of malaria. <i>Scientific Reports</i> , 2017 , 7, 41722 | 4.9 | 17 |
| 44 | Multidrug ATP-binding cassette transporters are essential for hepatic development of Plasmodium sporozoites. <i>Cellular Microbiology</i> , 2016 , 18, 369-83 | 3.9 | 17 |
| 43 | A double-blind, placebo-controlled phase 1/2a trial of the genetically attenuated malaria vaccine PfSPZ-GA1. <i>Science Translational Medicine</i> , 2020 , 12, | 17.5 | 16 |

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|----|---|-----|----|
| 42 | A sporozoite-based vaccination platform against human malaria. <i>Npj Vaccines</i> , 2018 , 3, 33 | 9.5 | 16 |
| 41 | The use of transgenic parasites in malaria vaccine research. <i>Expert Review of Vaccines</i> , 2017 , 16, 1-13 | 5.2 | 15 |
| 40 | The subcellular location of ovalbumin in Plasmodium berghei blood stages influences the magnitude of T-cell responses. <i>Infection and Immunity</i> , 2014 , 82, 4654-65 | 3.7 | 14 |
| 39 | Evaluation of Plasmodium vivax Cell-Traversal Protein for Ookinetes and Sporozoites as a Preerythrocytic P. vivax Vaccine. <i>Vaccine Journal</i> , 2017 , 24, | | 13 |
| 38 | Salivary gland-specific P. berghei reporter lines enable rapid evaluation of tissue-specific sporozoite loads in mosquitoes. <i>PLoS ONE</i> , 2012 , 7, e36376 | 3.7 | 13 |
| 37 | The Plasmodium falciparum male gametocyte protein P230p, a paralog of P230, is vital for ookinete formation and mosquito transmission. <i>Scientific Reports</i> , 2018 , 8, 14902 | 4.9 | 13 |
| 36 | Assessment of the Plasmodium falciparum Preerythrocytic Antigen UIS3 as a Potential Candidate for a Malaria Vaccine. <i>Infection and Immunity</i> , 2017 , 85, | 3.7 | 12 |
| 35 | Protective immunity differs between routes of administration of attenuated malaria parasites independent of parasite liver load. <i>Scientific Reports</i> , 2017 , 7, 10372 | 4.9 | 12 |
| 34 | Pathogenic CD8 T Cells Cause Increased Levels of VEGF-A in Experimental Malaria-Associated Acute Respiratory Distress Syndrome, but Therapeutic VEGFR Inhibition Is Not Effective. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 416 | 5.9 | 12 |
| 33 | Standardization in generating and reporting genetically modified rodent malaria parasites: the RMgMDB database. <i>Methods in Molecular Biology</i> , 2013 , 923, 139-50 | 1.4 | 12 |
| 32 | Translational Control of UIS4 Protein of the Host-Parasite Interface Is Mediated by the RNA Binding Protein Puf2 in Plasmodium berghei Sporozoites. <i>PLoS ONE</i> , 2016 , 11, e0147940 | 3.7 | 12 |
| 31 | The Plasmodium PHIST and RESA-Like Protein Families of Human and Rodent Malaria Parasites. <i>PLoS ONE</i> , 2016 , 11, e0152510 | 3.7 | 11 |
| 30 | Messenger RNA expressing PfCSP induces functional, protective immune responses against malaria in mice. <i>Npj Vaccines</i> , 2021 , 6, 84 | 9.5 | 11 |
| 29 | Plasmodium falciparum dynein light chain 1 interacts with actin/myosin during blood stage development. <i>Journal of Biological Chemistry</i> , 2010 , 285, 20180-91 | 5.4 | 10 |
| 28 | Vital and dispensable roles of Plasmodium multidrug resistance transporters during blood- and mosquito-stage development. <i>Molecular Microbiology</i> , 2016 , 101, 78-91 | 4.1 | 9 |
| 27 | Adenovirus-prime and baculovirus-boost heterologous immunization achieves sterile protection against malaria sporozoite challenge in a murine model. <i>Scientific Reports</i> , 2018 , 8, 3896 | 4.9 | 8 |
| 26 | OX40 Stimulation Enhances Protective Immune Responses Induced After Vaccination With Attenuated Malaria Parasites. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 247 | 5.9 | 8 |
| 25 | P. berghei telomerase subunit TERT is essential for parasite survival. <i>PLoS ONE</i> , 2014 , 9, e108930 | 3.7 | 8 |

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|----|---|------|---|
| 24 | Bioluminescence imaging of <i>P. berghei</i> Schizont sequestration in rodents. <i>Methods in Molecular Biology</i> , 2013 , 923, 353-68 | 1.4 | 8 |
| 23 | Artemisinin exposure at the ring or trophozoite stage impacts sexual conversion differently. <i>ELife</i> , 2020 , 9, | 8.9 | 8 |
| 22 | Pre-clinical evaluation of a -based whole-sporozoite malaria vaccine candidate. <i>Npj Vaccines</i> , 2018 , 3, 54 | 9.5 | 8 |
| 21 | A NF54 Reporter Line Expressing mCherry-Luciferase in Gametocytes, Sporozoites, and Liver-Stages. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 96 | 5.9 | 7 |
| 20 | Chimeric <i>Plasmodium falciparum</i> parasites expressing <i>Plasmodium vivax</i> circumsporozoite protein fail to produce salivary gland sporozoites. <i>Malaria Journal</i> , 2018 , 17, 288 | 3.6 | 7 |
| 19 | An in vitro assay to measure antibody-mediated inhibition of <i>P. berghei</i> sporozoite invasion against <i>P. falciparum</i> antigens. <i>Scientific Reports</i> , 2017 , 7, 17011 | 4.9 | 7 |
| 18 | Why are male malaria parasites in such a rush?: Sex-specific evolution and host-parasite interactions. <i>Evolution, Medicine and Public Health</i> , 2013 , 2013, 3-13 | 3 | 7 |
| 17 | Murine Model for Preclinical Studies of Var2CSA-Mediated Pathology Associated with Malaria in Pregnancy. <i>Infection and Immunity</i> , 2016 , 84, 1761-1774 | 3.7 | 7 |
| 16 | A tracer-based method enables tracking of malaria parasites during human skin infection. <i>Theranostics</i> , 2019 , 9, 2768-2778 | 12.1 | 6 |
| 15 | Preclinical Development and Assessment of Viral Vectors Expressing a Fusion Antigen of <i>Plasmodium falciparum</i> LSA1 and LSAP2 for Efficacy against Liver-Stage Malaria. <i>Infection and Immunity</i> , 2020 , 88, | 3.7 | 5 |
| 14 | Protective Efficacy Induced by Genetically Attenuated Mid-to-Late Liver-Stage Arresting <i>Plasmodium berghei</i> <i>hrp2</i> Parasites. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016 , 95, 378-82 ² | 3.2 | 5 |
| 13 | The exoneme helps malaria parasites to break out of blood cells. <i>Cell</i> , 2007 , 131, 1036-8 | 56.2 | 5 |
| 12 | DOPS Adjuvant Confers Enhanced Protection against Malaria for VLP-TRAP Based Vaccines. <i>Diseases (Basel, Switzerland)</i> , 2018 , 6, | 4.4 | 5 |
| 11 | Expression of full-length <i>Plasmodium falciparum</i> P48/45 in <i>P. berghei</i> blood stages: A method to express and evaluate vaccine antigens. <i>Molecular and Biochemical Parasitology</i> , 2018 , 224, 44-49 | 1.9 | 4 |
| 10 | Episomal transformation of <i>Plasmodium berghei</i> . <i>Methods in Molecular Medicine</i> , 2002 , 72, 305-15 | | 3 |
| 9 | Combinatorial Tim-3 and PD-1 activity sustains antigen-specific Th1 cell numbers during blood-stage malaria. <i>Parasite Immunology</i> , 2020 , 42, e12723 | 2.2 | 3 |
| 8 | <i>Plasmodium berghei</i> sporozoites in nonreplicative vacuole are eliminated by a PI3P-mediated autophagy-independent pathway. <i>Cellular Microbiology</i> , 2021 , 23, e13271 | 3.9 | 3 |
| 7 | A Hetero-Multimeric Chitinase-Containing and Ookinete-Secreted Protein Complex Involved in Mosquito Midgut Invasion. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 615343 | 5.9 | 3 |

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| 6 | Generation of Novel NF135 and NF54 Lines Expressing Fluorescent Reporter Proteins Under the Control of Strong and Constitutive Promoters. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 270 | 5.9 | 2 |
| 5 | Generation of a Genetically Modified Chimeric Parasite Expressing Circumsporozoite Protein for Malaria Vaccine Development. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 591046 | 5.9 | 2 |
| 4 | Hemozoin-mediated inflammasome activation limits long-lived anti-malarial immunity. <i>Cell Reports</i> , 2021 , 36, 109586 | 10.6 | 2 |
| 3 | Suppression of Plasmodium MIF-CD74 signaling protects against severe malaria. <i>FASEB Journal</i> , 2021 , 35, e21997 | 0.9 | 0 |
| 2 | Screening of viral-vectored <i>P. falciparum</i> pre-erythrocytic candidate vaccine antigens using chimeric rodent parasites. <i>PLoS ONE</i> , 2021 , 16, e0254498 | 3.7 | 0 |
| 1 | A universal vaccine candidate against <i>Plasmodium vivax</i> malaria confers protective immunity against the three PvCSP alleles. <i>Scientific Reports</i> , 2021 , 11, 17928 | 4.9 | 0 |