Shahid M Khan

List of Publications by Year
in descending order

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88 papers	5,575 citations	81900 39 h-index	88630 70 g-index
93 all docs	93 docs citations	93 times ranked	5179 citing authors

#	Article	IF	Citations
1	Three-dimensional electron microscopy analysis reveals endopolygeny-like nuclear architecture segregation in Plasmodium oocyst development. Parasitology International, 2020, 76, 102034.	1.3	12
2	Generation of Novel Plasmodium falciparum NF135 and NF54 Lines Expressing Fluorescent Reporter Proteins Under the Control of Strong and Constitutive Promoters. Frontiers in Cellular and Infection Microbiology, 2020, 10, 270.	3.9	14
3	T. brucei infections abrogate diverse plasma cell-mediated effector B cell responses, independently of their specificity, affinity and host genetic background. PLoS Neglected Tropical Diseases, 2020, 14, e0008358.	3.0	3
4	Preclinical Development and Assessment of Viral Vectors Expressing a Fusion Antigen of Plasmodium falciparum LSA1 and LSAP2 for Efficacy against Liver-Stage Malaria. Infection and Immunity, 2020, 88, .	2.2	7
5	A double-blind, placebo-controlled phase 1/2a trial of the genetically attenuated malaria vaccine PfSPZ-GA1. Science Translational Medicine, 2020, 12, .	12.4	50
6	Generation of a Genetically Modified Chimeric Plasmodium falciparum ParasiteÂExpressing Plasmodium vivax Circumsporozoite Protein for Malaria Vaccine Development. Frontiers in Cellular and Infection Microbiology, 2020, 10, 591046.	3.9	8
7	A P. falciparum NF54 Reporter Line Expressing mCherry-Luciferase in Gametocytes, Sporozoites, and Liver-Stages. Frontiers in Cellular and Infection Microbiology, 2019, 9, 96.	3.9	27
8	Monocyte-Derived CD11c+ Cells Acquire Plasmodium from Hepatocytes to Prime CD8ÂT Cell Immunity to Liver-Stage Malaria. Cell Host and Microbe, 2019, 25, 565-577.e6.	11.0	50
9	Probabilistic data integration identifies reliable gametocyte-specific proteins and transcripts in malaria parasites. Scientific Reports, 2018, 8, 410.	3.3	39
10	DOPS Adjuvant Confers Enhanced Protection against Malaria for VLP-TRAP Based Vaccines. Diseases (Basel, Switzerland), 2018, 6, 107.	2.5	7
11	Pre-clinical evaluation of a P. berghei-based whole-sporozoite malaria vaccine candidate. Npj Vaccines, 2018, 3, 54.	6.0	15
12	Prime and target immunization protects against liver-stage malaria in mice. Science Translational Medicine, 2018, 10, .	12.4	68
13	Imaging & identification of malaria parasites using cellphone microscope with a ball lens. PLoS ONE, 2018, 13, e0205020.	2.5	33
14	The Plasmodium falciparum male gametocyte protein P230p, a paralog of P230, is vital for ookinete formation and mosquito transmission. Scientific Reports, 2018, 8, 14902.	3.3	37
15	A Plasmodium berghei sporozoite-based vaccination platform against human malaria. Npj Vaccines, 2018, 3, 33.	6.0	32
16	Expression of full-length Plasmodium falciparum P48/45 in P. berghei blood stages: A method to express and evaluate vaccine antigens. Molecular and Biochemical Parasitology, 2018, 224, 44-49.	1.1	6
17	Tailoring a Plasmodium vivax Vaccine To Enhance Efficacy through a Combination of a CSP Virus-Like Particle and TRAP Viral Vectors. Infection and Immunity, 2018, 86, .	2.2	39
18	Adenovirus-prime and baculovirus-boost heterologous immunization achieves sterile protection against malaria sporozoite challenge in a murine model. Scientific Reports, 2018, 8, 3896.	3.3	15

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19	Chimeric Plasmodium falciparum parasites expressing Plasmodium vivax circumsporozoite protein fail to produce salivary gland sporozoites. Malaria Journal, 2018, 17, 288.	2.3	19
20	OX40 Stimulation Enhances Protective Immune Responses Induced After Vaccination With Attenuated Malaria Parasites. Frontiers in Cellular and Infection Microbiology, 2018, 8, 247.	3.9	21
21	Plasmodium falciparum subtilisinâ€like ookinete protein SOPT plays an important and conserved role during ookinete infection of the Anopheles stephensi midgut. Molecular Microbiology, 2018, 109, 458-473.	2.5	8
22	Assessment of the Plasmodium falciparum Preerythrocytic Antigen UIS3 as a Potential Candidate for a Malaria Vaccine. Infection and Immunity, 2017, 85, .	2.2	16
23	Evaluation of Plasmodium vivax Cell-Traversal Protein for Ookinetes and Sporozoites as a Preerythrocytic P. vivax Vaccine. Vaccine Journal, 2017, 24, .	3.1	20
24	Rational development of a protective P. vivax vaccine evaluated with transgenic rodent parasite challenge models. Scientific Reports, 2017, 7, 46482.	3.3	41
25	The Plasmodium falciparum Cell-Traversal Protein for Ookinetes and Sporozoites as a Candidate for Preerythrocytic and Transmission-Blocking Vaccines. Infection and Immunity, 2017, 85, .	2.2	64
26	Plasmodium products persist in the bone marrow and promote chronic bone loss. Science Immunology, 2017, 2, .	11.9	32
27	LC3-association with the parasitophorous vacuole membrane ofPlasmodium bergheiliver stages follows a noncanonical autophagy pathway. Cellular Microbiology, 2017, 19, e12754.	2.1	46
28	The use of transgenic parasites in malaria vaccine research. Expert Review of Vaccines, 2017, 16, 685-697.	4.4	37
29	Protective immunity differs between routes of administration of attenuated malaria parasites independent of parasite liver load. Scientific Reports, 2017, 7, 10372.	3.3	23
30	An in vitro assay to measure antibody-mediated inhibition of P. berghei sporozoite invasion against P. falciparum antigens. Scientific Reports, 2017, 7, 17011.	3.3	15
31	Natural Parasite Exposure Induces Protective Human Anti-Malarial Antibodies. Immunity, 2017, 47, 1197-1209.e10.	14.3	129
32	Deletion of the rodent malaria ortholog for falcipain-1 highlights differences between hepatic and blood stage merozoites. PLoS Pathogens, 2017, 13, e1006586.	4.7	31
33	Whole-Sporozoite Malaria Vaccines. , 2017, , 99-137.		2
34	Rapid Generation of Marker-Free P. falciparum Fluorescent Reporter Lines Using Modified CRISPR/Cas9 Constructs and Selection Protocol. PLoS ONE, 2016, 11, e0168362.	2.5	54
35	Variant Exported Blood-Stage Proteins Encoded by Plasmodium Multigene Families Are Expressed in Liver Stages Where They Are Exported into the Parasitophorous Vacuole. PLoS Pathogens, 2016, 12, e1005917.	4.7	56
36	Multidrug ATPâ€binding cassette transporters are essential for hepatic development of Plasmodium sporozoites. Cellular Microbiology, 2016, 18, 369-383.	2.1	24

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37	Transcriptomic profiling of microglia reveals signatures of cell activation and immune response, during experimental cerebral malaria. Scientific Reports, 2016, 6, 39258.	3.3	41
38	Integrated transcriptomic and proteomic analyses ofP. falciparumgametocytes: molecular insight into sex-specific processes and translational repression. Nucleic Acids Research, 2016, 44, 6087-6101.	14.5	216
39	CD8+ T Cells Induce Fatal Brainstem Pathology during Cerebral Malaria via Luminal Antigen-Specific Engagement of Brain Vasculature. PLoS Pathogens, 2016, 12, e1006022.	4.7	104
40	Hybridization and pre-zygotic reproductive barriers inPlasmodium. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20143027.	2.6	31
41	In Vivo and In Vitro Characterization of a Plasmodium Liver Stage-Specific Promoter. PLoS ONE, 2015, 10, e0123473.	2.5	18
42	Long-term live imaging reveals cytosolic immune responses of host hepatocytes againstPlasmodiuminfection and parasite escape mechanisms. Autophagy, 2015, 11, 1561-1579.	9.1	110
43	Comparative assessment of vaccine vectors encoding ten malaria antigens identifies two protective liver-stage candidates. Scientific Reports, 2015, 5, 11820.	3.3	49
44	A Plasmodium Phospholipase Is Involved in Disruption of the Liver Stage Parasitophorous Vacuole Membrane. PLoS Pathogens, 2015, 11, e1004760.	4.7	87
45	Replication of Plasmodium in reticulocytes can occur without hemozoin formation, resulting in chloroquine resistance. Journal of Experimental Medicine, 2015, 212, 893-903.	8.5	62
46	Novel approaches to whole sporozoite vaccination against malaria. Vaccine, 2015, 33, 7462-7468.	3.8	48
47	Generation of Transgenic Rodent Malaria Parasites Expressing Human Malaria Parasite Proteins. Methods in Molecular Biology, 2015, 1325, 257-286.	0.9	42
48	Longitudinal analysis of Plasmodium sporozoite motility in the dermis reveals component of blood vessel recognition. ELife, 2015, 4, .	6.0	109
49	The Subcellular Location of Ovalbumin in Plasmodium berghei Blood Stages Influences the Magnitude of T-Cell Responses. Infection and Immunity, 2014, 82, 4654-4665.	2.2	15
50	A comprehensive evaluation of rodent malaria parasite genomes and gene expression. BMC Biology, 2014, 12, 86.	3.8	251
51	Imaging of the spleen in malaria. Parasitology International, 2014, 63, 195-205.	1.3	13
52	TwoPlasmodium6â€Cys familyâ€related proteins have distinct and critical roles in liverâ€stage development. FASEB Journal, 2014, 28, 2158-2170.	0.5	88
53	Type II Fatty Acid Biosynthesis Is Essential for Plasmodium falciparum Sporozoite Development in the Midgut of Anopheles Mosquitoes. Eukaryotic Cell, 2014, 13, 550-559.	3.4	116
54	Plasmodium falciparum Rab5B Is an N-Terminally Myristoylated Rab GTPase That Is Targeted to the Parasite's Plasma and Food Vacuole Membranes. PLoS ONE, 2014, 9, e87695.	2.5	32

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55	A genetically attenuated malaria vaccine candidate based on P. falciparum b9/slarp gene-deficient sporozoites. ELife, 2014, 3, .	6.0	68
56	Plasmodium liver load following parenteral sporozoite administration in rodents. Vaccine, 2013, 31, 3410-3416.	3.8	28
57	Lossâ€ofâ€function analyses defines vital and redundant functions of the <scp>P</scp>lasmodium rhomboid protease family. Molecular Microbiology, 2013, 88, 318-338.	2.5	40
58	Why are male malaria parasites in such a rush?. Evolution, Medicine and Public Health, 2013, 2013, 3-13.	2.5	7
59	Reduced CD36-dependent tissue sequestration of Plasmodium-infected erythrocytes is detrimental to malaria parasite growth in vivo. Journal of Experimental Medicine, 2012, 209, 93-107.	8.5	97
60	Standardization in Generating and Reporting Genetically Modified Rodent Malaria Parasites: The RMgmDB Database. Methods in Molecular Biology, 2012, 923, 139-150.	0.9	14
61	Assessing the adequacy of attenuation of genetically modified malaria parasite vaccine candidates. Vaccine, 2012, 30, 2662-2670.	3.8	61
62	Quantitative Analysis of Plasmodium berghei Liver Stages by Bioluminescence Imaging. Methods in Molecular Biology, 2012, 923, 429-443.	0.9	31
63	Screening Inhibitors of P. berghei Blood Stages Using Bioluminescent Reporter Parasites. Methods in Molecular Biology, 2012, 923, 507-522.	0.9	19
64	Genetic engineering of attenuated malaria parasites for vaccination. Current Opinion in Biotechnology, 2012, 23, 908-916.	6.6	54
65	Experimentally controlled downregulation of the histone chaperone FACT inPlasmodium bergheireveals that it is critical to male gamete fertility. Cellular Microbiology, 2011, 13, 1956-1974.	2.1	43
66	A genotype and phenotype database of genetically modified malaria-parasites. Trends in Parasitology, 2011, 27, 31-39.	3.3	51
67	Development of the piggyBac transposable system for Plasmodium berghei and its application for random mutagenesis in malaria parasites. BMC Genomics, 2011, 12, 155.	2.8	30
68	CCR4-Associated Factor 1 Coordinates the Expression of Plasmodium falciparum Egress and Invasion Proteins. Eukaryotic Cell, 2011, 10, 1257-1263.	3.4	44
69	Aminoindoles, a Novel Scaffold with Potent Activity against Plasmodium falciparum. Antimicrobial Agents and Chemotherapy, 2011, 55, 2612-2622.	3.2	29
70	Transition of Plasmodium Sporozoites into Liver Stage-Like Forms Is Regulated by the RNA Binding Protein Pumilio. PLoS Pathogens, 2011, 7, e1002046.	4.7	82
71	A Novel â€˜Gene Insertion/Marker Outâ€™ (GIMO) Method for Transgene Expression and Gene Complementation in Rodent Malaria Parasites. PLoS ONE, 2011, 6, e29289.	2.5	107
72	Removal of Heterologous Sequences from Plasmodium falciparum Mutants Using FLPe-Recombinase. PLoS ONE, 2010, 5, e15121.	2.5	37

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73	Three Members of the 6-cys Protein Family of Plasmodium Play a Role in Gamete Fertility. PLoS Pathogens, 2010, 6, e1000853.	4.7	198
74	Novel Inhibitors of Plasmodium falciparum Dihydroorotate Dehydrogenase with Anti-malarial Activity in the Mouse Model*. Journal of Biological Chemistry, 2010, 285, 33054-33064.	3.4	121
75	Sequestration and Tissue Accumulation of Human Malaria Parasites: Can We Learn Anything from Rodent Models of Malaria?. PLoS Pathogens, 2010, 6, e1001032.	4.7	99
76	Functional Identification of the Plasmodium Centromere and Generation of a Plasmodium Artificial Chromosome. Cell Host and Microbe, 2010, 7, 245-255.	11.0	58
77	Visualisation and Quantitative Analysis of the Rodent Malaria Liver Stage by Real Time Imaging. PLoS ONE, 2009, 4, e7881.	2.5	205
78	Localisation and timing of expression of putative Plasmodium berghei rhoptry proteins in merozoites and sporozoites. Molecular and Biochemical Parasitology, 2009, 166, 22-31.	1.1	37
79	Proteomic Profiling of Plasmodium Sporozoite Maturation Identifies New Proteins Essential for Parasite Development and Infectivity. PLoS Pathogens, 2008, 4, e1000195.	4.7	191
80	Gene Disruption of Plasmodium falciparum p52 Results in Attenuation of Malaria Liver Stage Development in Cultured Primary Human Hepatocytes. PLoS ONE, 2008, 3, e3549.	2.5	91
81	Mechanisms of gene regulation in Plasmodium. American Journal of Tropical Medicine and Hygiene, 2007, 77, 201-8.	1.4	29
82	Regulation of Sexual Development of Plasmodium by Translational Repression. Science, 2006, 313, 667-669.	12.6	407
83	Proteome Analysis of Separated Male and Female Gametocytes Reveals Novel Sex-Specific Plasmodium Biology. Cell, 2005, 121, 675-687.	28.9	336
84	Malaria parasite transmission stages: an update. Trends in Parasitology, 2004, 20, 575-580.	3.3	21
85	Analysis of infected blood cell images using morphological operators. Image and Vision Computing, 2002, 20, 133-146.	4.5	241
86	Distribution and characterisation of the 235 kDa rhoptry multigene family within the genomes of virulent and avirulent lines of Plasmodium yoelii. Molecular and Biochemical Parasitology, 2001, 114, 197-208.	1.1	21
87	The 235 kDa rhoptry protein of Plasmodium (yoelii) yoelii: function at the junction. Molecular and Biochemical Parasitology, 2001, 117, 1-10.	1.1	41
88	The apical organelles of malaria merozoites: host cell selection, invasion, host immunity and immune evasion. Microbes and Infection, 2000, 2, 1461-1477.	1.9	101