Michael F Duffy

List of Publications by Year
in descending order

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49 papers	2,902 citations	201674 27 h-index	197818 49 g-index
49 all docs	49 docs citations	49 times ranked	2480 citing authors

#	Article	IF	Citations
1	Heterochromatin Silencing and Locus Repositioning Linked to Regulation of Virulence Genes in Plasmodium falciparum. Cell, 2005, 121, 13-24.	28.9	412
2	A var gene promoter controls allelic exclusion of virulence genes in Plasmodium falciparum malaria. Nature, 2006, 439, 1004-1008.	27.8	245
3	Sir2 Paralogues Cooperate to Regulate Virulence Genes and Antigenic Variation in Plasmodium falciparum. PLoS Biology, 2009, 7, e1000084.	5.6	211
4	Targets of antibodies against Plasmodium falciparumâ€“infected erythrocytes in malaria immunity. Journal of Clinical Investigation, 2012, 122, 3227-3238.	8.2	187
5	PfSET10, a Plasmodium falciparum Methyltransferase, Maintains the Active var Gene in a Poised State during Parasite Division. Cell Host and Microbe, 2012, 11, 7-18.	11.0	124
6	The Role of Bromodomain Proteins in Regulating Gene Expression. Genes, 2012, 3, 320-343.	2.4	119
7	VAR2CSA is the principal ligand for chondroitin sulfate A in two allogeneic isolates of Plasmodium falciparum. Molecular and Biochemical Parasitology, 2006, 148, 117-124.	1.1	105
8	A Plasmodium Falciparum Bromodomain Protein Regulates Invasion Gene Expression. Cell Host and Microbe, 2015, 17, 741-751.	11.0	96
9	Expression of P. falciparum var Genes Involves Exchange of the Histone Variant H2A.Z at the Promoter. PLoS Pathogens, 2011, 7, e1001292.	4.7	95
10	Transcribed var Genes Associated with Placental Malaria in MalawianWomen. Infection and Immunity, 2006, 74, 4875-4883.	2.2	93
11	Broad analysis reveals a consistent pattern ofvargene transcription inPlasmodium falciparumrepeatedly selected for a defined adhesion phenotype. Molecular Microbiology, 2005, 56, 774-788.	2.5	89
12	Transcription of multiple var genes by individual, trophozoite-stage Plasmodium falciparum cells expressing a chondroitin sulphate A binding phenotype. Molecular Microbiology, 2002, 43, 1285-1293.	2.5	72
13	<scp>H2A.Z</scp> and <scp>H2B.Z</scp> doubleâ€variant nucleosomes define intergenic regions and dynamically occupy <scp>var</scp> gene promoters in the malaria parasite <scp>P</scp>lasmodium falciparum. Molecular Microbiology, 2013, 87, 1167-1182.	2.5	67
14	The Plasmodium falciparum transcriptome in severe malaria reveals altered expression of genes involved in important processes including surface antigenâ€“encoding var genes. PLoS Biology, 2018, 16, e2004328.	5.6	67
15	Multiple var gene transcripts are expressed in Plasmodium falciparum infected erythrocytes selected for adhesion. Molecular and Biochemical Parasitology, 2001, 114, 227-237.	1.1	62
16	Epigenetic regulation of the Plasmodium falciparum genome. Briefings in Functional Genomics, 2014, 13, 203-216.	2.7	55
17	Mosquito Passage Dramatically Changes var Gene Expression in Controlled Human Plasmodium falciparum Infections. PLoS Pathogens, 2016, 12, e1005538.	4.7	54
18	Evaluation of the Antigenic Diversity of Placenta-Binding Plasmodium falciparum Variants and the Antibody Repertoire among Pregnant Women. Infection and Immunity, 2010, 78, 1963-1978.	2.2	51

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19	Cross-Reactive Surface Epitopes on Chondroitin Sulfate A-Adherent Plasmodium falciparum-Infected Erythrocytes Are Associated with Transcription of var2csa. Infection and Immunity, 2005, 73, 2848-2856.	2.2	47
20	Evidence that Plasmodium falciparum chromosome end clusters are cross-linked by protein and are the sites of both virulence gene silencing and activation. Molecular Microbiology, 2006, 62, 72-83.	2.5	47
21	Ectopic Recombination of a Malaria var Gene during Mitosis Associated with an Altered var Switch Rate. Journal of Molecular Biology, 2009, 389, 453-469.	4.2	45
22	Transcriptome and histone epigenome of Plasmodium vivax salivary-gland sporozoites point to tight regulatory control and mechanisms for liver-stage differentiation in relapsing malaria. International Journal for Parasitology, 2019, 49, 501-513.	3.1	42
23	The role of chromatin in Plasmodium gene expression. Cellular Microbiology, 2012, 14, 819-828.	2.1	38
24	Controlled human malaria infection with Plasmodium falciparum demonstrates impact of naturally acquired immunity on virulence gene expression. PLoS Pathogens, 2019, 15, e1007906.	4.7	36
25	Population genomics of virulence genes of Plasmodium falciparum in clinical isolates from Uganda. Scientific Reports, 2017, 7, 11810.	3.3	31
26	Temporal Expression and Localization Patterns of Variant Surface Antigens in Clinical Plasmodium falciparum Isolates during Erythrocyte Schizogony. PLoS ONE, 2012, 7, e49540.	2.5	31
27	The immunoreactive 116 kDa surface protein of Mycoplasma pneumoniae is encoded in an operon. Microbiology (United Kingdom), 1997, 143, 3391-3402.	1.8	30
28	Structural Basis for Binding of Plasmodium falciparum Erythrocyte Membrane Protein 1 to Chondroitin Sulfate and Placental Tissue and the Influence of Protein Polymorphisms on Binding Specificity*. Journal of Biological Chemistry, 2007, 282, 22426-22436.	3.4	30
29	Histone modifications associated with gene expression and genome accessibility are dynamically enriched at Plasmodium falciparum regulatory sequences. Epigenetics and Chromatin, 2020, 13, 50.	3.9	28
30	ANTIBODY RECOGNITION OF HETEROLOGOUS VARIANT SURFACE ANTIGENS AFTER A SINGLE PLASMODIUM FALCIPARUM INFECTION IN PREVIOUSLY NAÃVE ADULTS. American Journal of Tropical Medicine and Hygiene, 2007, 76, 860-864.	1.4	25
31	Differences in PfEMP1s recognized by antibodies from patients with uncomplicated or severe malaria. Malaria Journal, 2016, 15, 258.	2.3	23
32	Patterns of protective associations differ for antibodies to P. falciparumâ€infected erythrocytes and merozoites in immunity against malaria in children. European Journal of Immunology, 2017, 47, 2124-2136.	2.9	21
33	A high parasite density environment induces transcriptional changes and cell death in Plasmodium falciparum blood stages. FEBS Journal, 2018, 285, 848-870.	4.7	21
34	Indirect Enzyme-Linked Immunosorbent Assay for Detection of Immunoglobulin G Reactive with a Recombinant Protein Expressed from the Gene Encoding the 116-Kilodalton Protein of Mycoplasma pneumoniae. Journal of Clinical Microbiology, 1999, 37, 1024-1029.	3.9	21
35	A single point in protein trafficking by Plasmodium falciparum determines the expression of major antigens on the surface of infected erythrocytes targeted by human antibodies. Cellular and Molecular Life Sciences, 2016, 73, 4141-4158.	5.4	20
36	Evolutionary analyses of the major variant surface antigen-encoding genes reveal population structure of Plasmodium falciparum within and between continents. PLoS Genetics, 2021, 17, e1009269.	3.5	20

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37	Common virulence gene expression in adult first-time infected malaria patients and severe cases. ELife, 2021, 10, .	6.0	20
38	Antibody recognition of heterologous variant surface antigens after a single Plasmodium falciparum infection in previously naive adults. American Journal of Tropical Medicine and Hygiene, 2007, 76, 860-4.	1.4	20
39	Regulation of antigenic variation in Plasmodium falciparum: censoring freedom of expression?. Trends in Parasitology, 2003, 19, 121-124.	3.3	17
40	Characterization of VAR2CSA-deficient Plasmodium falciparum-infected erythrocytes selected for adhesion to the BeWo placental cell line. Malaria Journal, 2008, 7, 51.	2.3	15
41	Targets of Protective Antibodies to Malaria during Pregnancy. Journal of Infectious Diseases, 2005, 192, 1647-1650.	4.0	13
42	Developments in drug design strategies for bromodomain protein inhibitors to target Plasmodium falciparum parasites. Expert Opinion on Drug Discovery, 2020, 15, 415-425.	5.0	11
43	The Putative Bromodomain Protein PfBDP7 of the Human Malaria Parasite Plasmodium Falciparum Cooperates With PfBDP1 in the Silencing of Variant Surface Antigen Expression. Frontiers in Cell and Developmental Biology, 2022, 10, 816558.	3.7	10
44	Activation and clustering of a Plasmodium falciparum var gene are affected by subtelomeric sequences. FEBS Journal, 2017, 284, 237-257.	4.7	9
45	Antigenic Variation in Plasmodium falciparum. Results and Problems in Cell Differentiation, 2015, 57, 47-90.	0.7	9
46	Transcription and coregulation of multigene families in Plasmodium falciparum. Trends in Parasitology, 2007, 23, 183-186.	3.3	6
47	Safety, infectivity and immunogenicity of a genetically attenuated blood-stage malaria vaccine. BMC Medicine, 2021, 19, 293.	5.5	6
48	An accurate method for identifying recent recombinants from unaligned sequences. Bioinformatics, 2022, 38, 1823-1829.	4.1	3
49	Identifying Targets of Protective Antibodies against Severe Malaria in Papua, Indonesia, Using Locally Expressed Domains of Plasmodium falciparum Erythrocyte Membrane Protein 1. Infection and Immunity, 2022, 90, IAI0043521.	2.2	3