

# Douglas J Perkins

## List of Publications by Year in descending order

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76  
papers

2,942  
citations

147801

31  
h-index

175258

52  
g-index

79  
all docs

79  
docs citations

79  
times ranked

3235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Severe Malarial Anemia: Innate Immunity and Pathogenesis. <i>International Journal of Biological Sciences</i> , 2011, 7, 1427-1442.	6.4	221
2	Glycosylphosphatidylinositol Anchors of <i>Plasmodium falciparum</i> . <i>Journal of Experimental Medicine</i> , 2000, 192, 1563-1576.	8.5	220
3	Low Interleukin-12 Activity in Severe <i>Plasmodium falciparum</i> Malaria. <i>Infection and Immunity</i> , 2000, 68, 3909-3915.	2.2	202
4	Increased severe anemia in HIV-1-exposed and HIV-1-positive infants and children during acute malaria. <i>Aids</i> , 2006, 20, 275-280.	2.2	117
5	Interferon (IFN)- $\gamma$ Activation of Human Blood Mononuclear Cells In Vitro and In Vivo for Nitric Oxide Synthase (NOS) Type 2 mRNA and Protein Expression: Possible Relationship of Induced NOS2 to the Anti-Hepatitis C Effects of IFN- $\gamma$ In Vivo. <i>Journal of Experimental Medicine</i> , 1997, 186, 1495-1502.	8.5	116
6	Tumor Necrosis Factor- $\alpha$ Promotes Sustained Cyclooxygenase-2 Expression: Attenuation by Dexamethasone and NSAIDs. <i>Prostaglandins</i> , 1997, 54, 727-743.	1.2	103
7	Elevated Nitric Oxide Production in Children with Malarial Anemia: Hemozoin-Induced Nitric Oxide Synthase Type 2 Transcripts and Nitric Oxide in Blood Mononuclear Cells. <i>Infection and Immunity</i> , 2004, 72, 4868-4873.	2.2	87
8	Differential Regulation of $\beta$ -Chemokines in Children with <i>Plasmodium falciparum</i> Malaria. <i>Infection and Immunity</i> , 2005, 73, 4190-4197.	2.2	85
9	Blockade of nitric oxide formation down-regulates cyclooxygenase-2 and decreases PGE2 biosynthesis in macrophages. <i>Journal of Leukocyte Biology</i> , 1999, 65, 792-799.	3.3	82
10	PARASITEMIA, ANEMIA, AND MALARIAL ANEMIA IN INFANTS AND YOUNG CHILDREN IN A RURAL HOLOENDEMIC <i>PLASMODIUM FALCIPARUM</i> TRANSMISSION AREA. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006, 74, 376-385.	1.4	80
11	Acquisition of Hemozoin by Monocytes Down-Regulates Interleukin-12 p40 (IL-12p40) Transcripts and Circulating IL-12p70 through an IL-10-Dependent Mechanism: In Vivo and In Vitro Findings in Severe Malarial Anemia. <i>Infection and Immunity</i> , 2006, 74, 5249-5260.	2.2	75
12	Haplotypes of IL-10 promoter variants are associated with susceptibility to severe malarial anemia and functional changes in IL-10 production. <i>Human Genetics</i> , 2008, 124, 515-524.	3.8	75
13	Role of Monocyte-Acquired Hemozoin in Suppression of Macrophage Migration Inhibitory Factor in Children with Severe Malarial Anemia. <i>Infection and Immunity</i> , 2007, 75, 201-210.	2.2	74
14	Reduction of NOS2 overexpression in rheumatoid arthritis patients treated with anti-tumor necrosis factor $\alpha$ monoclonal antibody (cA2). <i>Arthritis and Rheumatism</i> , 1998, 41, 2205-2210.	6.7	66
15	Parasitemia, anemia, and malarial anemia in infants and young children in a rural holoendemic <i>Plasmodium falciparum</i> transmission area. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006, 74, 376-85.	1.4	58
16	<i>Mycobacterium abscessus</i> Glycopeptidolipid Prevents Respiratory Epithelial TLR2 Signaling as Measured by $\text{H}\beta\text{D}2$ Gene Expression and IL-8 Release. <i>PLoS ONE</i> , 2011, 6, e29148.	2.5	57
17	Blood Mononuclear Cell Nitric Oxide Production and Plasma Cytokine Levels in Healthy Gabonese Children with Prior Mild or Severe Malaria. <i>Infection and Immunity</i> , 1999, 67, 4977-4981.	2.2	55
18	Hematological predictors of increased severe anemia in Kenyan children coinfectd with <i>Plasmodium falciparum</i> and HIV-1. <i>American Journal of Hematology</i> , 2010, 85, 227-233.	4.1	48

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19	Decreased circulating macrophage migration inhibitory factor (MIF) protein and blood mononuclear cell MIF transcripts in children with Plasmodium falciparum malaria. <i>Clinical Immunology</i> , 2006, 119, 219-225.	3.2	47
20	Suppression of RANTES in children with Plasmodium falciparum malaria. <i>Haematologica</i> , 2006, 91, 1396-9.	3.5	45
21	Polymorphic Variability in the Interleukin (IL)-1 $\beta$ Promoter Conditions Susceptibility to Severe Malarial Anemia and Functional Changes in IL-1 $\beta$ Production. <i>Journal of Infectious Diseases</i> , 2008, 198, 1219-1226.	4.0	44
22	Identification of Inflammatory Biomarkers for Pediatric Malarial Anemia Severity Using Novel Statistical Methods. <i>Infection and Immunity</i> , 2011, 79, 4674-4680.	2.2	44
23	Coordinate expression of inducible nitric oxide synthase and cyclooxygenase-2 genes in uterine tissues of endotoxin-treated pregnant mice. <i>American Journal of Obstetrics and Gynecology</i> , 1997, 177, 1253-1262.	1.3	43
24	Virtual and In Vitro Antiviral Screening Revive Therapeutic Drugs for COVID-19. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 1278-1292.	4.9	43
25	Severe Acute Respiratory Syndrome Coronavirus 2 Neutralizing Antibody Titers in Convalescent Plasma and Recipients in New Mexico: An Open Treatment Study in Patients With Coronavirus Disease 2019. <i>Journal of Infectious Diseases</i> , 2020, 222, 1620-1628.	4.0	41
26	Mechanisms of erythropoiesis inhibition by malarial pigment and malaria-induced proinflammatory mediators in an in vitro model. <i>American Journal of Hematology</i> , 2011, 86, 155-162.	4.1	39
27	Increased circulating interleukin (IL)-23 in children with malarial anemia: In vivo and in vitro relationship with co-regulatory cytokines IL-12 and IL-10. <i>Clinical Immunology</i> , 2008, 126, 211-221.	3.2	36
28	Reduced Peripheral PGE2 Biosynthesis in Plasmodium falciparum Malaria Occurs through Hemozoin-Induced Suppression of Blood Mononuclear Cell Cyclooxygenase-2 Gene Expression via an Interleukin-10-Independent Mechanism. <i>Molecular Medicine</i> , 2004, 10, 45-54.	4.4	35
29	Clinical predictors of severe malarial anaemia in a holoendemic Plasmodium falciparum transmission area. <i>British Journal of Haematology</i> , 2010, 149, 711-721.	2.5	35
30	Connecting Network Properties of Rapidly Disseminating Epizoonotics. <i>PLoS ONE</i> , 2012, 7, e39778.	2.5	35
31	Suppression of Prostaglandin E2 by Malaria Parasite Products and Antipyretics Promotes Overproduction of Tumor Necrosis Factor- $\alpha$ : Association with the Pathogenesis of Childhood Malarial Anemia. <i>Journal of Infectious Diseases</i> , 2006, 193, 1384-1393.	4.0	34
32	In vivo acquisition of hemozoin by placental blood mononuclear cells suppresses PGE2, TNF- $\alpha$ , and IL-10. <i>Biochemical and Biophysical Research Communications</i> , 2003, 311, 839-846.	2.1	32
33	COVID-19 global pandemic planning: Decontamination and reuse processes for N95 respirators. <i>Experimental Biology and Medicine</i> , 2020, 245, 933-939.	2.4	31
34	Hypothyroidism risk compared among nine common bipolar disorder therapies in a large US cohort. <i>Bipolar Disorders</i> , 2016, 18, 247-260.	1.9	29
35	Naturally acquired hemozoin by monocytes promotes suppression of RANTES in children with malarial anemia through an IL-10-dependent mechanism. <i>Microbes and Infection</i> , 2009, 11, 811-819.	1.9	28
36	Hemozoin Differentially Regulates Proinflammatory Cytokine Production in Human Immunodeficiency Virus-Seropositive and -Seronegative Women with Placental Malaria. <i>Infection and Immunity</i> , 2004, 72, 7022-7029.	2.2	24

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37	Functional haplotypes of Fc gamma (Fc $\gamma$ 3) receptor (Fc $\gamma$ 3RIIA and Fc $\gamma$ 3RIIB) predict risk to repeated episodes of severe malarial anemia and mortality in Kenyan children. <i>Human Genetics</i> , 2012, 131, 289-299.	3.8	23
38	Suppression of a Novel Hematopoietic Mediator in Children with Severe Malarial Anemia. <i>Infection and Immunity</i> , 2009, 77, 3864-3871.	2.2	21
39	A Novel Functional Variant in the Stem Cell Growth Factor Promoter Protects against Severe Malarial Anemia. <i>Infection and Immunity</i> , 2010, 78, 453-460.	2.2	21
40	Direct detection of bacteremia by exploiting host-pathogen interactions of lipoteichoic acid and lipopolysaccharide. <i>Scientific Reports</i> , 2019, 9, 6203.	3.3	20
41	Systemic challenges in bipolar disorder management: A patient-centered approach. <i>Bipolar Disorders</i> , 2017, 19, 676-688.	1.9	19
42	Relationship between inflammatory mediator patterns and anemia in HIV-1 positive and exposed children with <i>Plasmodium falciparum</i> malaria. <i>American Journal of Hematology</i> , 2012, 87, 652-658.	4.1	18
43	Reduced Parasite Burden in Children with Falciparum Malaria and Bacteremia Coinfections: Role of Mediators of Inflammation. <i>Mediators of Inflammation</i> , 2016, 2016, 1-14.	3.0	18
44	Association between Fc $\gamma$ 3 receptor IIA, IIIA and IIIB genetic polymorphisms and susceptibility to severe malaria anemia in children in western Kenya. <i>BMC Infectious Diseases</i> , 2017, 17, 289.	2.9	18
45	Feedback-Based, System-Level Properties of Vertebrate-Microbial Interactions. <i>PLoS ONE</i> , 2013, 8, e53984.	2.5	18
46	Functional Promoter Haplotypes of Interleukin-18 Condition Susceptibility to Severe Malarial Anemia and Childhood Mortality. <i>Infection and Immunity</i> , 2011, 79, 4923-4932.	2.2	17
47	Reduced interferon (IFN)- $\gamma$ conditioned by IFNA2 ( $\sim$ 173) and IFNA8 ( $\sim$ 884) haplotypes is associated with enhanced susceptibility to severe malarial anemia and longitudinal all-cause mortality. <i>Human Genetics</i> , 2012, 131, 1375-1391.	3.8	17
48	Reduced Hsp70 and Glutamine in Pediatric Severe Malaria Anemia: Role of hemozoin in Suppressing Hsp70 and NF- $\kappa$ B Activation. <i>Molecular Medicine</i> , 2016, 22, 570-584.	4.4	17
49	Imputation and characterization of uncoded self-harm in major mental illness using machine learning. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 136-146.	4.4	17
50	Diabetes mellitus risk for 102 drugs and drug combinations used in patients with bipolar disorder. <i>Psychoneuroendocrinology</i> , 2020, 112, 104511.	2.7	17
51	CD4 T-cell expression of IFN- $\gamma$ and IL-17 in pediatric malarial anemia. <i>PLoS ONE</i> , 2017, 12, e0175864.	2.5	17
52	Stage-specific effects of Plasmodium falciparum-derived hemozoin on blood mononuclear cell TNF- $\alpha$ regulation and viral replication. <i>Aids</i> , 2005, 19, 1771-1780.	2.2	13
53	Reduced systemic bicycloprostaglandin $_2$ and cyclooxygenase $_2$ gene expression are associated with inefficient erythropoiesis and enhanced uptake of monocytic hemozoin in children with severe malarial anemia. <i>American Journal of Hematology</i> , 2012, 87, 782-789.	4.1	12
54	Haplotype of non-synonymous mutations within IL-23R is associated with susceptibility to severe malaria anemia in a P. falciparum holoendemic transmission area of Kenya. <i>BMC Infectious Diseases</i> , 2017, 17, 291.	2.9	12

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55	Molecular basis of reduced LAIR1 expression in childhood severe malarial anaemia: Implications for leukocyte inhibitory signalling. <i>EBioMedicine</i> , 2019, 45, 278-289.	6.1	11
56	Cyclooxygenase-2 haplotypes influence the longitudinal risk of malaria and severe malarial anemia in Kenyan children from a holoendemic transmission region. <i>Journal of Human Genetics</i> , 2020, 65, 99-113.	2.3	11
57	Suppressed circulating bicyclo-PGE2 levels and leukocyte COX-2 transcripts in children co-infected with <i>P. falciparum</i> malaria and HIV-1 or bacteremia. <i>Biochemical and Biophysical Research Communications</i> , 2013, 436, 585-590.	2.1	10
58	Integrated OMICS platforms identify LAIR1 genetic variants as novel predictors of cross-sectional and longitudinal susceptibility to severe malaria and all-cause mortality in Kenyan children. <i>EBioMedicine</i> , 2019, 45, 290-302.	6.1	10
59	COVID-19 global pandemic planning: Performance and electret charge of N95 respirators after recommended decontamination methods. <i>Experimental Biology and Medicine</i> , 2021, 246, 740-748.	2.4	10
60	Antimalarials: Molecular Drug Targets and Mechanism of Action. <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 2114-2128.	2.1	10
61	Higher production of peripheral blood macrophage migration inhibitory factor in healthy children with a history of mild malaria relative to children with a history of severe malaria. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 76, 1033-6.	1.4	10
62	Genetic variation in interleukin-7 is associated with a reduced erythropoietic response in Kenyan children infected with <i>Plasmodium falciparum</i> . <i>BMC Medical Genetics</i> , 2019, 20, 140.	2.1	8
63	Comparison of 71 bipolar disorder pharmacotherapies for kidney disorder risk: The potential hazards of polypharmacy. <i>Journal of Affective Disorders</i> , 2019, 252, 201-211.	4.1	8
64	Preferences of Information Dissemination on Treatment for Bipolar Disorder: Patient-Centered Focus Group Study. <i>JMIR Mental Health</i> , 2019, 6, e12848.	3.3	8
65	Assessing the Dynamics and Complexity of Disease Pathogenicity Using 4-Dimensional Immunological Data. <i>Frontiers in Immunology</i> , 2019, 10, 1258.	4.8	7
66	COVID-19 global pandemic planning: Presence of SARS-CoV-2 fomites in a university hospital setting. <i>Experimental Biology and Medicine</i> , 2021, 246, 2039-2045.	2.4	7
67	Cystic fibrosis CFBE41 cells contain TLR1 SNP I602S and fail to respond to <i>Mycobacterium abscessus</i> . <i>Journal of Cystic Fibrosis</i> , 2013, 12, 773-779.	0.7	6
68	Comprehensive comparison of monotherapies for psychiatric hospitalization risk in bipolar disorders. <i>Bipolar Disorders</i> , 2018, 20, 761-771.	1.9	6
69	COVID-19 global pandemic planning: Dry heat incubation and ambient temperature fail to consistently inactivate SARS-CoV-2 on N95 respirators. <i>Experimental Biology and Medicine</i> , 2021, 246, 952-959.	2.4	4
70	Comparative genomic and phenotypic characterization of invasive non-typhoidal <i>Salmonella</i> isolates from Siaya, Kenya. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0008991.	3.0	3
71	Using Machine Learning Imputed Outcomes to Assess Drug-Dependent Risk of Self-Harm in Patients with Bipolar Disorder: A Comparative Effectiveness Study. <i>JMIR Mental Health</i> , 2021, 8, e24522.	3.3	3
72	Complement component 3 mutations alter the longitudinal risk of pediatric malaria and severe malarial anemia. <i>Experimental Biology and Medicine</i> , 2022, 247, 672-682.	2.4	3

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73	Staged progression epidemic models for the transmission of invasive nontyphoidal &#x201c;Salmonella&#x201c; (INTS) with treatment. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 1529-1549.	1.9	2
74	Elevated SARS-CoV-2 in peripheral blood and increased COVID-19 severity in American Indians/Alaska Natives. <i>Experimental Biology and Medicine</i> , 2022, 247, 1253-1263.	2.4	2
75	Genetic variation in CSF2 (5q31.1) is associated with longitudinal susceptibility to pediatric malaria, severe malarial anemia, and all-cause mortality in a high-burden malaria and HIV region of Kenya. <i>Tropical Medicine and Health</i> , 2022, 50, .	2.8	2
76	A Comprehensive COVID-19 Daily News and Medical Literature Briefing to Inform Health Care and Policy in New Mexico: Implementation Study. <i>JMIR Medical Education</i> , 2022, 8, e23845.	2.6	0