

# Alister G Craig

## List of Publications by Year in descending order

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127  
papers

12,541  
citations

50276

46  
h-index

24982

109  
g-index

134  
all docs

134  
docs citations

134  
times ranked

9161  
citing authors

#	ARTICLE	IF	CITATIONS
1	How Does Blood-Retinal Barrier Breakdown Relate to Death and Disability in Pediatric Cerebral Malaria?. <i>Journal of Infectious Diseases</i> , 2022, 225, 1070-1080.	4.0	18
2	An open dataset of Plasmodium falciparum genome variation in 7,000 worldwide samples. <i>Wellcome Open Research</i> , 2021, 6, 42.	1.8	97
3	An open dataset of Plasmodium falciparum genome variation in 7,000 worldwide samples. <i>Wellcome Open Research</i> , 2021, 6, 42.	1.8	51
4	Functionalized supported membranes for quantifying adhesion of P. falciparum-infected erythrocytes. <i>Biophysical Journal</i> , 2021, 120, 3315-3328.	0.5	9
5	Safety, infectivity and immunogenicity of a genetically attenuated blood-stage malaria vaccine. <i>BMC Medicine</i> , 2021, 19, 293.	5.5	6
6	Parasite histones are toxic to brain endothelium and link blood barrier breakdown and thrombosis in cerebral malaria. <i>Blood Advances</i> , 2020, 4, 2851-2864.	5.2	25
7	Developing a xenograft model of human vasculature in the mouse ear pinna. <i>Scientific Reports</i> , 2020, 10, 2058.	3.3	6
8	Testing the effect of PAR1 inhibitors on Plasmodium falciparum-induced loss of endothelial cell barrier function. <i>Wellcome Open Research</i> , 2020, 5, 34.	1.8	9
9	Parasite histones mediate blood-brain barrier disruption in cerebral malaria. <i>Clinical Medicine</i> , 2020, 20, s96-s97.	1.9	2
10	Testing the effect of PAR1 inhibitors on Plasmodium falciparum-induced loss of endothelial cell barrier function. <i>Wellcome Open Research</i> , 2020, 5, 34.	1.8	1
11	Comparison of CD8+ T Cell Accumulation in the Brain During Human and Murine Cerebral Malaria. <i>Frontiers in Immunology</i> , 2019, 10, 1747.	4.8	37
12	Structural insights into diverse modes of ICAM-1 binding by Plasmodium falciparum-infected erythrocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20124-20134.	7.1	24
13	Cerebral malaria is associated with differential cytoadherence to brain endothelial cells. <i>EMBO Molecular Medicine</i> , 2019, 11, .	6.9	83
14	In silico guided reconstruction and analysis of ICAM-1-binding var genes from Plasmodium falciparum. <i>Scientific Reports</i> , 2018, 8, 3282.	3.3	4
15	Supporting capacity for research on malaria in Africa. <i>BMJ Global Health</i> , 2018, 3, e000723.	4.7	3
16	Brain microvascular endothelial-astrocyte cell responses following Japanese encephalitis virus infection in an in vitro human blood-brain barrier model. <i>Molecular and Cellular Neurosciences</i> , 2018, 89, 60-70.	2.2	52
17	Neurovascular sequestration in paediatric P. falciparum malaria is visible clinically in the retina. <i>ELife</i> , 2018, 7, .	6.0	24
18	Targeting the IL33-NLRP3 axis improves therapy for experimental cerebral malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7404-7409.	7.1	37

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19	Comparative 1D Blue-Native electrophoresis analysis of Plasmodium falciparum and human proteins associated with cytoadherence. Malaria Journal, 2018, 17, 293.	2.3	4
20	A semi-synthetic glycosaminoglycan analogue inhibits and reverses Plasmodium falciparum cytoadherence. PLoS ONE, 2017, 12, e0186276.	2.5	11
21	A quantitative brain map of experimental cerebral malaria pathology. PLoS Pathogens, 2017, 13, e1006267.	4.7	73
22	In vitro inhibition and reversal of Plasmodium falciparum cytoadherence to endothelium by monoclonal antibodies to ICAM-1 and CD36. Malaria Journal, 2017, 16, 279.	2.3	9
23	Brugia malayi microfilariae adhere to human vascular endothelial cells in a C3-dependent manner. PLoS Neglected Tropical Diseases, 2017, 11, e0005592.	3.0	9
24	Marked elevation in plasma osteoprotegerin constitutes an early and consistent feature of cerebral malaria. Thrombosis and Haemostasis, 2016, 115, 773-780.	3.4	12
25	Tumor necrosis factor reduces Plasmodium falciparum growth and activates calcium signaling in human malaria parasites. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1489-1497.	2.4	37
26	A novel role for von Willebrand factor in the pathogenesis of experimental cerebral malaria. Blood, 2016, 127, 1192-1201.	1.4	41
27	Characterizing the impact of sustained sulfadoxine/pyrimethamine use upon the Plasmodium falciparum population in Malawi. Malaria Journal, 2016, 15, 575.	2.3	34
28	An external sensing system in Plasmodium falciparum-infected erythrocytes. Malaria Journal, 2016, 15, 103.	2.3	10
29	HIV coinfection influences the inflammatory response but not the outcome of cerebral malaria in Malawian children. Journal of Infection, 2016, 73, 189-199.	3.3	12
30	Breaking down brain barrier breaches in cerebral malaria. Journal of Clinical Investigation, 2016, 126, 3725-3727.	8.2	1
31	Investigating the function of Fcγ-specific binding of IgM to Plasmodium falciparum erythrocyte membrane protein 1 mediating erythrocyte rosetting. Cellular Microbiology, 2015, 17, 819-831.	2.1	52
32	Severity of Retinopathy Parallels the Degree of Parasite Sequestration in the Eyes and Brains of Malawian Children With Fatal Cerebral Malaria. Journal of Infectious Diseases, 2015, 211, 1977-1986.	4.0	51
33	Workshop report: Malaria vaccine development in Europe—preparing for the future. Vaccine, 2015, 33, 6137-6144.	3.8	15
34	Pathogenesis of cerebral malaria—Inflammation and cytoadherence. Frontiers in Cellular and Infection Microbiology, 2014, 4, 100.	3.9	133
35	Whole-Genome Scans Provide Evidence of Adaptive Evolution in Malawian Plasmodium falciparum Isolates. Journal of Infectious Diseases, 2014, 210, 1991-2000.	4.0	62
36	Differential PfEMP1 Expression Is Associated with Cerebral Malaria Pathology. PLoS Pathogens, 2014, 10, e1004537.	4.7	34

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37	Evidence of promiscuous endothelial binding by <i>Plasmodium falciparum</i> -infected erythrocytes. <i>Cellular Microbiology</i> , 2014, 16, 701-708.	2.1	23
38	THE BBB IN ENCEPHALITIS: INFLAMMATION & A ROLE FOR STEROIDS?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, e4.29-e4.	1.9	0
39	Persistent Endothelial Activation and Inflammation After <i>Plasmodium falciparum</i> Infection in Malawian Children. <i>Journal of Infectious Diseases</i> , 2014, 209, 610-615.	4.0	51
40	From (+)-epigallocatechin gallate to a simplified synthetic analogue as a cytoadherence inhibitor for <i>P. falciparum</i> . <i>RSC Advances</i> , 2014, 4, 4769-4781.	3.6	13
41	An Analysis of the Binding Characteristics of a Panel of Recently Selected ICAM-1 Binding <i>Plasmodium falciparum</i> Patient Isolates. <i>PLoS ONE</i> , 2014, 9, e111518.	2.5	19
42	A Novel Role for Von Willebrand Factor in the Pathogenesis of Experimental Cerebral Malaria. <i>Blood</i> , 2014, 124, 97-97.	1.4	0
43	A Novel Domain Cassette Identifies <i>Plasmodium falciparum</i> PfEMP1 Proteins Binding ICAM-1 and Is a Target of Cross-Reactive, Adhesion-Inhibitory Antibodies. <i>Journal of Immunology</i> , 2013, 190, 240-249.	0.8	101
44	Molecular Architecture of a Complex between an Adhesion Protein from the Malaria Parasite and Intracellular Adhesion Molecule 1. <i>Journal of Biological Chemistry</i> , 2013, 288, 5992-6003.	3.4	37
45	Loss of endothelial protein C receptors links coagulation and inflammation to parasite sequestration in cerebral malaria in African children. <i>Blood</i> , 2013, 122, 842-851.	1.4	186
46	A Simple Protocol for Platelet-mediated Clumping of <i>Plasmodium falciparum</i> -infected Erythrocytes in a Resource Poor Setting. <i>Journal of Visualized Experiments</i> , 2013, , e4316.	0.3	0
47	Transfected HEK293 Cells Expressing Functional Recombinant Intercellular Adhesion Molecule 1 (ICAM-1) as a Receptor Associated with Severe <i>Plasmodium falciparum</i> Malaria. <i>PLoS ONE</i> , 2013, 8, e69999.	2.5	18
48	The Role of Animal Models for Research on Severe Malaria. <i>PLoS Pathogens</i> , 2012, 8, e1002401.	4.7	258
49	Cerebral malaria pathogenesis: revisiting parasite and host contributions. <i>Future Microbiology</i> , 2012, 7, 291-302.	2.0	72
50	Cytoadherence and virulence - the case of <i>Plasmodium knowlesi</i> malaria. <i>Malaria Journal</i> , 2012, 11, 33.	2.3	45
51	Signal transduction in <i>Plasmodium</i> -Red Blood Cells interactions and in cytoadherence. <i>Anais Da Academia Brasileira De Ciencias</i> , 2012, 84, 555-572.	0.8	8
52	Inhibition and reversal of cytoadherence in <i>Plasmodium falciparum</i> malaria. <i>British Journal of Hospital Medicine (London, England: 2005)</i> , 2012, 73, 408-408.	0.5	0
53	Cytoadherence and severe malaria. <i>The Malaysian Journal of Medical Sciences</i> , 2012, 19, 5-18.	0.5	32
54	The genetic polymorphism of <i>Plasmodium vivax</i> genes in endemic regions of Thailand. <i>Asian Pacific Journal of Tropical Medicine</i> , 2011, 4, 931-936.	0.8	14

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55	Malaria parasite tyrosyl-tRNA synthetase secretion triggers pro-inflammatory responses. <i>Nature Communications</i> , 2011, 2, 530.	12.8	58
56	Amplification of <i>P. falciparum</i> Cytoadherence through Induction of a Pro-Adhesive State in Host Endothelium. <i>PLoS ONE</i> , 2011, 6, e24784.	2.5	22
57	Vascular endothelial cells cultured from patients with cerebral or uncomplicated malaria exhibit differential reactivity to TNF. <i>Cellular Microbiology</i> , 2011, 13, 198-209.	2.1	64
58	Malaria: modification of the red blood cell and consequences in the human host. <i>British Journal of Haematology</i> , 2011, 154, 670-679.	2.5	56
59	Broad inhibition of plasmodium falciparum cytoadherence by (+)-epigallocatechin gallate. <i>Malaria Journal</i> , 2011, 10, 348.	2.3	11
60	Automated counting for Plasmodium falciparum cytoadherence experiments. <i>Malaria Journal</i> , 2011, 10, 91.	2.3	11
61	European Vaccine Initiative: lessons from developing malaria vaccines. <i>Expert Review of Vaccines</i> , 2011, 10, 1697-1708.	4.4	14
62	Specific Receptor Usage in Plasmodium falciparum Cytoadherence Is Associated with Disease Outcome. <i>PLoS ONE</i> , 2011, 6, e14741.	2.5	106
63	Elevated Plasma Von Willebrand Factor and Propeptide Levels in Malawian Children with Malaria. <i>PLoS ONE</i> , 2011, 6, e25626.	2.5	32
64	Rapid activation of endothelial cells enables Plasmodium falciparum adhesion to platelet-decorated von Willebrand factor strings. <i>Blood</i> , 2010, 115, 1472-1474.	1.4	112
65	Continued cytoadherence of Plasmodium falciparum infected red blood cells after antimalarial treatment. <i>Molecular and Biochemical Parasitology</i> , 2010, 169, 71-78.	1.1	46
66	Vaccination with peptide mimotopes produces antibodies recognizing bacterial capsular polysaccharides. <i>Vaccine</i> , 2010, 28, 6425-6435.	3.8	13
67	Erythrocytic Casein Kinase II Regulates Cytoadherence of Plasmodium falciparum-infected Red Blood Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 6260-6269.	3.4	37
68	Severe Plasmodium falciparum Malaria Is Associated with Circulating Ultra-Large von Willebrand Multimers and ADAMTS13 Inhibition. <i>PLoS Pathogens</i> , 2009, 5, e1000349.	4.7	105
69	Malaria vaccines "how and when to proceed?". <i>Trends in Parasitology</i> , 2009, 25, 535-537.	3.3	3
70	Competitive endothelial adhesion between Plasmodium falciparum isolates under physiological flow conditions. <i>Malaria Journal</i> , 2009, 8, 214.	2.3	10
71	Sequence variation of PfEMP1-DBL $\alpha$ in association with rosette formation in Plasmodium falciparum isolates causing severe and uncomplicated malaria. <i>Malaria Journal</i> , 2009, 8, 184.	2.3	20
72	Identification of phosphorylated proteins in erythrocytes infected by the human malaria parasite Plasmodium falciparum. <i>Malaria Journal</i> , 2009, 8, 105.	2.3	53

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73	Exported Proteins Required for Virulence and Rigidity of Plasmodium falciparum-Infected Human Erythrocytes. <i>Cell</i> , 2008, 134, 48-61.	28.9	450
74	Disruption of Rosetting in Plasmodium falciparum Malaria with Chemically Modified Heparin and Low Molecular Weight Derivatives Possessing Reduced Anticoagulant and Other Serine Protease Inhibition Activities. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1453-1458.	6.4	26
75	Impact of Human Immunodeficiency Virus Infection in Pregnant Women on Variant-Specific Immunity to Malaria. <i>Vaccine Journal</i> , 2008, 15, 617-621.	3.1	16
76	Host response to cytoadherence in Plasmodium falciparum. <i>Biochemical Society Transactions</i> , 2008, 36, 221-228.	3.4	50
77	Plasmodium falciparum Intercellular Adhesion Molecule-1 Based Cytoadherence-Related Signaling in Human Endothelial Cells. <i>Journal of Infectious Diseases</i> , 2007, 196, 321-327.	4.0	30
78	Parasites in Pregnancy. <i>Parasitology</i> , 2007, 134, 1853-1854.	1.5	0
79	Differential gene expression in the organs of patients dying of falciparum malaria. <i>Molecular Microbiology</i> , 2007, 65, 959-967.	2.5	64
80	Altered phenotype and gene transcription in endothelial cells, induced by Plasmodium falciparum-infected red blood cells: Pathogenic or protective?. <i>International Journal for Parasitology</i> , 2007, 37, 975-987.	3.1	40
81	Comparative proteomic analysis of metabolically labelled proteins from Plasmodium falciparum isolates with different adhesion properties. <i>Malaria Journal</i> , 2006, 5, 67.	2.3	23
82	von Willebrand factor propeptide in malaria: evidence of acute endothelial cell activation. <i>British Journal of Haematology</i> , 2006, 133, 562-569.	2.5	116
83	Rational Design of Anticytoadherence Inhibitors for Plasmodium falciparum Based on the Crystal Structure of Human Intercellular Adhesion Molecule 1. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 724-730.	3.2	28
84	Genetic Analysis of Circulating and Sequestered Populations of Plasmodium falciparum in Fatal Pediatric Malaria. <i>Journal of Infectious Diseases</i> , 2006, 194, 115-122.	4.0	41
85	The role of ICAM-1 in Plasmodium falciparum cytoadherence. <i>European Journal of Cell Biology</i> , 2005, 84, 15-27.	3.6	89
86	The Crystal Structure of Coxsackievirus A21 and Its Interaction with ICAM-1. <i>Structure</i> , 2005, 13, 1019-1033.	3.3	76
87	A Polymorphism of Intercellular Adhesion Molecule-1 Is Associated with a Reduced Incidence of Nonmalarial Febrile Illness in Kenyan Children. <i>Clinical Infectious Diseases</i> , 2005, 41, 1817-1819.	5.8	18
88	The surface of the Plasmodium falciparum-infected erythrocyte. <i>Current Issues in Molecular Biology</i> , 2005, 7, 81-93.	2.4	15
89	Discrimination among Rhinovirus Serotypes for a Variant ICAM-1 Receptor Molecule. <i>Journal of Virology</i> , 2004, 78, 10034-10044.	3.4	20
90	Pregnancy-associated malaria "on the brink?. <i>Trends in Parasitology</i> , 2004, 20, 201-204.	3.3	9

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91	Divergent binding sites on intercellular adhesion molecule-1 (ICAM-1) for variant Plasmodium falciparum isolates. <i>Molecular Microbiology</i> , 2004, 51, 1039-1049.	2.5	33
92	PARASITOLOGY: Enhanced: New Ways to Control Malaria. <i>Science</i> , 2004, 303, 1984-1985.	12.6	16
93	Malaria parasite and vector genomes: partners in crime. <i>Trends in Parasitology</i> , 2003, 19, 356-362.	3.3	8
94	ICAM-1 can play a major role in mediating P. falciparum adhesion to endothelium under flow. <i>Molecular and Biochemical Parasitology</i> , 2003, 128, 187-193.	1.1	76
95	Cryptic malaria parasites unveiled. <i>Blood</i> , 2003, 101, 4650-4650.	1.4	0
96	Fibrinogen Binding to Intercellular Adhesion Molecule 1: Implications for Plasmodium falciparum Adhesion. <i>Infection and Immunity</i> , 2002, 70, 3962-3964.	2.2	9
97	The malaria genome project: resources for research. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2002, 96, 6.	1.8	0
98	Sequence of Plasmodium falciparum chromosomes 1, 3 and 13. <i>Nature</i> , 2002, 419, 527-531.	27.8	156
99	Genome sequence of the human malaria parasite Plasmodium falciparum. <i>Nature</i> , 2002, 419, 498-511.	27.8	3,881
100	Molecules on the surface of the Plasmodium falciparum infected erythrocyte and their role in malaria pathogenesis and immune evasion. <i>Molecular and Biochemical Parasitology</i> , 2001, 115, 129-143.	1.1	216
101	Genetics and malaria – more questions than answers. <i>Trends in Parasitology</i> , 2001, 17, 55-56.	3.3	5
102	Malaria: A New Gene Family ( clag ) Involved in Adhesion 1 INB See Letters, this issue.. <i>Parasitology Today</i> , 2000, 16, 366-367.	3.0	9
103	Identification of a Plasmodium falciparum intercellular adhesion molecule-1 binding domain: A parasite adhesion trait implicated in cerebral malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 1766-1771.	7.1	207
104	Transcriptional analysis in Plasmodium falciparum. <i>Trends in Microbiology</i> , 2000, 8, 350-351.	7.7	4
105	The complete nucleotide sequence of chromosome 3 of Plasmodium falciparum. <i>Nature</i> , 1999, 400, 532-538.	27.8	312
106	Cytoadherence, pathogenesis and the infected red cell surface in Plasmodium falciparum. <i>International Journal for Parasitology</i> , 1999, 29, 927-937.	3.1	141
107	A high frequency African coding polymorphism in the N-terminal domain of ICAM-1 predisposing to cerebral malaria in Kenya. <i>Human Molecular Genetics</i> , 1997, 6, 1357-1360.	2.9	167
108	Molecular Identification of a Novel Fibrinogen Binding Site on the First Domain of ICAM-1 Regulating Leukocyte-Endothelium Bridging. <i>Journal of Biological Chemistry</i> , 1997, 272, 435-441.	3.4	110

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109	Plasmodium falciparum malariaâ€™s sticky jams and PECAM pie. Nature Medicine, 1997, 3, 1315-1316.	30.7	6
110	Characterization of Two Vaccinia CD36 Recombinant-Virus-Generated Monoclonal Antibodies (10/5,) Tj ETQq0 0 0 ggBT /Overlock 10 Tf 0.2 17	0.2	17
111	Genomic representation of var gene sequences in Plasmodium falciparum field isolates from different geographic regions1Note: Nucleotide sequences for data reported in this paper are in the EMBL, GenBankâ„,c and DDJB databases under the accession numbers Z94724â€™Z94751.1. Molecular and Biochemical Parasitology, 1997, 87, 235-238.	1.1	60
112	Intercellular adhesion molecule-1 and CD36 synergize to mediate adherence of Plasmodium falciparum-infected erythrocytes to cultured human microvascular endothelial cells.. Journal of Clinical Investigation, 1997, 100, 2521-2529.	8.2	131
113	Limited Spatial Clustering of Individual Plasmodium falciparum Alleles in Field Isolates from Coastal Kenya. American Journal of Tropical Medicine and Hygiene, 1997, 57, 205-215.	1.4	53
114	Receptor-Specific Adhesion and Clinical Disease in Plasmodium falciparum. American Journal of Tropical Medicine and Hygiene, 1997, 57, 389-398.	1.4	308
115	Current status of the Plasmodium falciparum genome project. Molecular and Biochemical Parasitology, 1996, 79, 1-12.	1.1	55
116	Switches in expression of plasmodium falciparum var genes correlate with changes in antigenic and cytoadherent phenotypes of infected erythrocytes. Cell, 1995, 82, 101-110.	28.9	938
117	Rolling and stationary cytoadhesion of red blood cells parasitized by Plasmodium falciparum: separate roles for ICAM-1, CD36 and thrombospondin. British Journal of Haematology, 1994, 87, 162-170.	2.5	183
118	ICAM-3 interacts with LFA-1 and regulates the LFA-1/ICAM-1 cell adhesion pathway.. Journal of Cell Biology, 1993, 123, 1007-1016.	5.2	157
119	Interactions of the Plasmodium falciparumâ€™Infected Erythrocyte with ICAM-1. , 1993, , 92-103.		0
120	Divalent cation regulation of the function of the leukocyte integrin LFA-1.. Journal of Cell Biology, 1992, 116, 219-226.	5.2	461
121	The binding site on ICAM-1 for plasmodium falciparum-infected erythrocytes overlaps, but is distinct from, the LFA-1-binding site. Cell, 1992, 68, 71-81.	28.9	277
122	Rapid switching to multiple antigenic and adhesive phenotypes in malaria. Nature, 1992, 357, 689-692.	27.8	593
123	The Role of ICAM-1 as a Receptor for Rhinovirus and Malaria. Chemical Immunology and Allergy, 1991, 50, 116-134.	1.7	2
124	The Role of ICAM-1 as a Receptor for Rhinovirus and Malaria. Chemical Immunology and Allergy, 1991, 50, 116-134.	1.7	4
125	Labelling oligonucleotides to high specific activity (I). Nucleic Acids Research, 1989, 17, 4605-4610.	14.5	7
126	Molecular approaches to genome analysis: a strategy for the construction of ordered overlapping clone libraries. Bioinformatics, 1987, 3, 203-210.	4.1	11



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127	A family of cosmid vectors with the multi-copy R6K replication origin. <i>Gene</i> , 1987, 57, 229-237.	2.2	46