Alister G Craig

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7619209/publications.pdf

Version: 2024-02-01

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	Genome sequence of the human malaria parasite Plasmodium falciparum. Nature, 2002, 419, 498-511.	27.8	3,881
2	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
3	Rapid switching to multiple antigenic and adhesive phenotypes in malaria. Nature, 1992, 357, 689-692.	27.8	593
4	Divalent cation regulation of the function of the leukocyte integrin LFA-1.. Journal of Cell Biology, 1992, 116, 219-226.	5.2	461
5	Exported Proteins Required for Virulence and Rigidity of Plasmodium falciparum-Infected Human Erythrocytes. Cell, 2008, 134, 48-61.	28.9	450
6	The complete nucleotide sequence of chromosome 3 of Plasmodium falciparum. Nature, 1999, 400, 532-538.	27.8	312
7	Receptor-Specific Adhesion and Clinical Disease in Plasmodium falciparum. American Journal of Tropical Medicine and Hygiene, 1997, 57, 389-398.	1.4	308
8	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
9	The Role of Animal Models for Research on Severe Malaria. PLoS Pathogens, 2012, 8, e1002401.	4.7	258
10	Molecules on the surface of the Plasmodium falciparum infected erythrocyte and their role in malaria pathogenesis and immune evasion. Molecular and Biochemical Parasitology, 2001, 115, 129-143.	1.1	216
11	Identification of a Plasmodium falciparum intercellular adhesion molecule-1 binding domain: A parasite adhesion trait implicated in cerebral malaria. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 1766-1771.	7.1	207
12	Loss of endothelial protein C receptors links coagulation and inflammation to parasite sequestration in cerebral malaria in African children. Blood, 2013, 122, 842-851.	1.4	186
13	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
14	A high frequency African coding polymorphism in the N-terminal domain of ICAM-1 predisposing to cerebral malaria in Kenya. Human Molecular Genetics, 1997, 6, 1357-1360.	2.9	167
15	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
16	Sequence of Plasmodium falciparum chromosomes 1, 3â€“9 and 13. Nature, 2002, 419, 527-531.	27.8	156
17	Cytoadherence, pathogenesis and the infected red cell surface in Plasmodium falciparum. International Journal for Parasitology, 1999, 29, 927-937.	3.1	141
18	Pathogenesis of cerebral malariaÃ¢â‚¬â€inflammation and cytoadherence. Frontiers in Cellular and Infection Microbiology, 2014, 4, 100.	3.9	133

#	Article	IF	Citations
19	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
20	von Willebrand factor propeptide in malaria: evidence of acute endothelial cell activation. British Journal of Haematology, 2006, 133, 562-569.	2.5	116
21	Rapid activation of endothelial cells enables Plasmodium falciparum adhesion to platelet-decorated von Willebrand factor strings. Blood, 2010, 115, 1472-1474.	1.4	112
22	Molecular Identification of a Novel Fibrinogen Binding Site on the First Domain of ICAM-1 Regulating Leukocyte-Endothelium Bridging. Journal of Biological Chemistry, 1997, 272, 435-441.	3.4	110
23	Specific Receptor Usage in Plasmodium falciparum Cytoadherence Is Associated with Disease Outcome. PLoS ONE, 2011, 6, e14741.	2.5	106
24	Severe Plasmodium falciparum Malaria Is Associated with Circulating Ultra-Large von Willebrand Multimers and ADAMTS13 Inhibition. PLoS Pathogens, 2009, 5, e1000349.	4.7	105
25	A Novel Domain Cassette Identifies Plasmodium falciparum PfEMP1 Proteins Binding ICAM-1 and Is a Target of Cross-Reactive, Adhesion-Inhibitory Antibodies. Journal of Immunology, 2013, 190, 240-249.	0.8	101
26	An open dataset of Plasmodium falciparum genome variation in 7,000 worldwide samples. Wellcome Open Research, 2021, 6, 42.	1.8	97
27	The role of ICAM-1 in Plasmodium falciparum cytoadherence. European Journal of Cell Biology, 2005, 84, 15-27.	3.6	89
28	Cerebral malaria is associated with differential cytoadherence to brain endothelial cells. EMBO Molecular Medicine, 2019, 11, .	6.9	83
29	ICAM-1 can play a major role in mediating P. falciparum adhesion to endothelium under flow. Molecular and Biochemical Parasitology, 2003, 128, 187-193.	1.1	76
30	The Crystal Structure of Coxsackievirus A21 and Its Interaction with ICAM-1. Structure, 2005, 13, 1019-1033.	3.3	76
31	A quantitative brain map of experimental cerebral malaria pathology. PLoS Pathogens, 2017, 13, e1006267.	4.7	73
32	Cerebral malaria pathogenesis: revisiting parasite and host contributions. Future Microbiology, 2012, 7, 291-302.	2.0	72
33	Differential var gene expression in the organs of patients dying of falciparum malaria. Molecular Microbiology, 2007, 65, 959-967.	2.5	64
34	Vascular endothelial cells cultured from patients with cerebral or uncomplicated malaria exhibit differential reactivity to TNF. Cellular Microbiology, 2011, 13, 198-209.	2.1	64
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	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„¢ and DDJB databases under the accession numbers Z94724â€“Z94751.1. Molecular and Biochemical Parasitology, 1997, 87, 235-238.	1.1	60

#	Article	IF	Citations
37	Malaria parasite tyrosyl-tRNA synthetase secretion triggers pro-inflammatory responses. Nature Communications, 2011, 2, 530.	12.8	58
38	Malaria: modification of the red blood cell and consequences in the human host. British Journal of Haematology, 2011, 154, 670-679.	2.5	56
39	Current status of the Plasmodium falciparum genome project. Molecular and Biochemical Parasitology, 1996, 79, 1-12.	1.1	55
40	Identification of phosphorylated proteins in erythrocytes infected by the human malaria parasite Plasmodium falciparum. Malaria Journal, 2009, 8, 105.	2.3	53
41	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
42	Investigating the function of F_c-specific binding of IgM toPlasmodium falciparumerythrocyte membrane protein 1 mediating erythrocyte rosetting. Cellular Microbiology, 2015, 17, 819-831.	2.1	52
43	Brain microvascular endothelial-astrocyte cell responses following Japanese encephalitis virus infection in an in vitro human blood-brain barrier model. Molecular and Cellular Neurosciences, 2018, 89, 60-70.	2.2	52
44	Persistent Endothelial Activation and Inflammation After Plasmodium falciparum Infection in Malawian Children. Journal of Infectious Diseases, 2014, 209, 610-615.	4.0	51
45	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
46	An open dataset of Plasmodium falciparum genome variation in 7,000 worldwide samples. Wellcome Open Research, 2021, 6, 42.	1.8	51
47	Host response to cytoadherence inPlasmodium falciparum. Biochemical Society Transactions, 2008, 36, 221-228.	3.4	50
48	A family of cosmid vectors with the multi-copy R6K replication origin. Gene, 1987, 57, 229-237.	2.2	46
49	Continued cytoadherence of Plasmodium falciparum infected red blood cells after antimalarial treatment. Molecular and Biochemical Parasitology, 2010, 169, 71-78.	1.1	46
50	Cytoadherence and virulence - the case of Plasmodium knowlesi malaria. Malaria Journal, 2012, 11, 33.	2.3	45
51	Genetic Analysis of Circulating and Sequestered Populations ofPlasmodium falciparumin Fatal Pediatric Malaria. Journal of Infectious Diseases, 2006, 194, 115-122.	4.0	41
52	A novel role for von Willebrand factor in the pathogenesis of experimental cerebral malaria. Blood, 2016, 127, 1192-1201.	1.4	41
53	Altered phenotype and gene transcription in endothelial cells, induced by Plasmodium falciparum-infected red blood cells: Pathogenic or protective?. International Journal for Parasitology, 2007, 37, 975-987.	3.1	40
54	Erythrocytic Casein Kinase II Regulates Cytoadherence of Plasmodium falciparum-infected Red Blood Cells. Journal of Biological Chemistry, 2009, 284, 6260-6269.	3.4	37

#	Article	IF	Citations
55	Molecular Architecture of a Complex between an Adhesion Protein from the Malaria Parasite and Intracellular Adhesion Molecule 1. Journal of Biological Chemistry, 2013, 288, 5992-6003.	3.4	37
56	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
57	Targeting the IL33â€“NLRP3 axis improves therapy for experimental cerebral malaria. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7404-7409.	7.1	37
58	Comparison of CD8+ T Cell Accumulation in the Brain During Human and Murine Cerebral Malaria. Frontiers in Immunology, 2019, 10, 1747.	4.8	37
59	Differential PfEMP1 Expression Is Associated with Cerebral Malaria Pathology. PLoS Pathogens, 2014, 10, e1004537.	4.7	34
60	Characterizing the impact of sustained sulfadoxine/pyrimethamine use upon the Plasmodium falciparum population in Malawi. Malaria Journal, 2016, 15, 575.	2.3	34
61	Divergent binding sites on intercellular adhesion molecule-1 (ICAM-1) for variant Plasmodium falciparum isolates. Molecular Microbiology, 2004, 51, 1039-1049.	2.5	33
62	Elevated Plasma Von Willebrand Factor and Propeptide Levels in Malawian Children with Malaria. PLoS ONE, 2011, 6, e25626.	2.5	32
63	Cytoadherence and severe malaria. The Malaysian Journal of Medical Sciences, 2012, 19, 5-18.	0.5	32
64	Plasmodium falciparumIntercellular Adhesion Moleculeâ€“1â€“Based Cytoadherenceâ€Related Signaling in Human Endothelial Cells. Journal of Infectious Diseases, 2007, 196, 321-327.	4.0	30
65	Rational Design of Anticytoadherence Inhibitors for Plasmodium falciparum Based on the Crystal Structure of Human Intercellular Adhesion Molecule 1. Antimicrobial Agents and Chemotherapy, 2006, 50, 724-730.	3.2	28
66	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. Journal of Medicinal Chemistry, 2008, 51, 1453-1458.	6.4	26
67	Parasite histones are toxic to brain endothelium and link blood barrier breakdown and thrombosis in cerebral malaria. Blood Advances, 2020, 4, 2851-2864.	5.2	25
68	Neurovascular sequestration in paediatric P. falciparum malaria is visible clinically in the retina. ELife, 2018, 7, .	6.0	24
69	Structural insights into diverse modes of ICAM-1 binding by Plasmodium falciparum -infected erythrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20124-20134.	7.1	24
70	Comparative proteomic analysis of metabolically labelled proteins from Plasmodium falciparum isolates with different adhesion properties. Malaria Journal, 2006, 5, 67.	2.3	23
71	Evidence of promiscuous endothelial binding by P lasmodium falciparum â€infected erythrocytes. Cellular Microbiology, 2014, 16, 701-708.	2.1	23
72	Amplification of P. falciparum Cytoadherence through Induction of a Pro-Adhesive State in Host Endothelium. PLoS ONE, 2011, 6, e24784.	2.5	22

#	Article	IF	Citations
73	Discrimination among Rhinovirus Serotypes for a Variant ICAM-1 Receptor Molecule. Journal of Virology, 2004, 78, 10034-10044.	3.4	20
74	Sequence variation of PfEMP1-DBLÎ± in association with rosette formation in Plasmodium falciparum isolates causing severe and uncomplicated malaria. Malaria Journal, 2009, 8, 184.	2.3	20
75	An Analysis of the Binding Characteristics of a Panel of Recently Selected ICAM-1 Binding Plasmodium falciparum Patient Isolates. PLoS ONE, 2014, 9, e111518.	2.5	19
76	A Polymorphism of Intercellular Adhesion Moleculeâ€“1 Is Associated with a Reduced Incidence of Nonmalarial Febrile Illness in Kenyan Children. Clinical Infectious Diseases, 2005, 41, 1817-1819.	5.8	18
77	How Does Blood-Retinal Barrier Breakdown Relate to Death and Disability in Pediatric Cerebral Malaria?. Journal of Infectious Diseases, 2022, 225, 1070-1080.	4.0	18
78	Transfected HEK293 Cells Expressing Functional Recombinant Intercellular Adhesion Molecule 1 (ICAM-1) â€“ A Receptor Associated with Severe Plasmodium falciparum Malaria. PLoS ONE, 2013, 8, e69999.	2.5	18
79	Characterization of Two Vaccinia CD36 Recombinant-Virus-Generated Monoclonal Antibodies (10/5,) Tj ETQq1 1 0.784314 rgBT /Ove	0.2	17
80	PARASITOLOGY: Enhanced: New Ways to Control Malaria. Science, 2004, 303, 1984-1985.	12.6	16
81	Impact of Human Immunodeficiency Virus Infection in Pregnant Women on Variant-Specific Immunity to Malaria. Vaccine Journal, 2008, 15, 617-621.	3.1	16
82	Workshop report: Malaria vaccine development in Europeâ€“preparing for the future. Vaccine, 2015, 33, 6137-6144.	3.8	15
83	The surface of the Plasmodium falciparum-infected erythrocyte. Current Issues in Molecular Biology, 2005, 7, 81-93.	2.4	15
84	The genetic polymorphism of Plasmodium vivax genes in endemic regions of Thailand. Asian Pacific Journal of Tropical Medicine, 2011, 4, 931-936.	0.8	14
85	European Vaccine Initiative: lessons from developing malaria vaccines. Expert Review of Vaccines, 2011, 10, 1697-1708.	4.4	14
86	Vaccination with peptide mimotopes produces antibodies recognizing bacterial capsular polysaccharides. Vaccine, 2010, 28, 6425-6435.	3.8	13
87	From (+)-epigallocatechin gallate to a simplified synthetic analogue as a cytoadherence inhibitor for P. falciparum. RSC Advances, 2014, 4, 4769-4781.	3.6	13
88	Marked elevation in plasma osteoprotegerin constitutes an early and consistent feature of cerebral malaria. Thrombosis and Haemostasis, 2016, 115, 773-780.	3.4	12
89	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
90	Molecular approaches to genome analysis: a strategy for the construction of ordered overlapping clone libraries. Bioinformatics, 1987, 3, 203-210.	4.1	11

#	Article	IF	Citations
91	Broad inhibition of plasmodium falciparum cytoadherence by (+)-epigallocatechin gallate. Malaria Journal, 2011, 10, 348.	2.3	11
92	Automated counting for Plasmodium falciparum cytoadherence experiments. Malaria Journal, 2011, 10, 91.	2.3	11
93	A semi-synthetic glycosaminoglycan analogue inhibits and reverses Plasmodium falciparum cytoadherence. PLoS ONE, 2017, 12, e0186276.	2.5	11
94	Competitive endothelial adhesion between Plasmodium falciparum isolates under physiological flow conditions. Malaria Journal, 2009, 8, 214.	2.3	10
95	An external sensing system in Plasmodium falciparum-infected erythrocytes. Malaria Journal, 2016, 15, 103.	2.3	10
96	Malaria: A New Gene Family (clag) Involved in Adhesion 1 1NB See Letters, this issue.. Parasitology Today, 2000, 16, 366-367.	3.0	9
97	Fibrinogen Binding to Intercellular Adhesion Molecule 1: Implications for Plasmodium falciparum Adhesion. Infection and Immunity, 2002, 70, 3962-3964.	2.2	9
98	Pregnancy-associated malaria â€“ on the brink?. Trends in Parasitology, 2004, 20, 201-204.	3.3	9
99	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
100	Functionalized supported membranes for quantifying adhesion of P.Âfalciparum-infected erythrocytes. Biophysical Journal, 2021, 120, 3315-3328.	0.5	9
101	Testing the effect of PAR1 inhibitors on Plasmodium falciparum-induced loss of endothelial cell barrier function. Wellcome Open Research, 2020, 5, 34.	1.8	9
102	Brugia malayi microfilariae adhere to human vascular endothelial cells in a C3-dependent manner. PLoS Neglected Tropical Diseases, 2017, 11, e0005592.	3.0	9
103	Malaria parasite and vector genomes: partners in crime. Trends in Parasitology, 2003, 19, 356-362.	3.3	8
104	Signal transduction in Plasmodium-Red Blood Cells interactions and in cytoadherence. Anais Da Academia Brasileira De Ciencias, 2012, 84, 555-572.	0.8	8
105	Labelling oligonucleotides to high specific activity (I). Nucleic Acids Research, 1989, 17, 4605-4610.	14.5	7
106	Plasmodium falciparum malariaâ€"sticky jams and PECAM pie. Nature Medicine, 1997, 3, 1315-1316.	30.7	6
107	Developing a xenograft model of human vasculature in the mouse ear pinna. Scientific Reports, 2020, 10, 2058.	3.3	6
108	Safety, infectivity and immunogenicity of a genetically attenuated blood-stage malaria vaccine. BMC Medicine, 2021, 19, 293.	5.5	6

#	Article	IF	Citations
109	Genetics and malaria â€“ more questions than answers. Trends in Parasitology, 2001, 17, 55-56.	3.3	5
110	The Role of ICAM-1 as a Receptor for Rhinovirus and Malaria. Chemical Immunology and Allergy, 1991, 50, 116-134.	1.7	4
111	Transcriptional analysis in Plasmodium falciparum. Trends in Microbiology, 2000, 8, 350-351.	7.7	4
112	In silico guided reconstruction and analysis of ICAM-1-binding var genes from Plasmodium falciparum. Scientific Reports, 2018, 8, 3282.	3.3	4
113	Comparative 1D Blue-Native electrophoresis analysis of Plasmodium falciparum and human proteins associated with cytoadherence. Malaria Journal, 2018, 17, 293.	2.3	4
114	Malaria vaccines â€“ how and when to proceed?. Trends in Parasitology, 2009, 25, 535-537.	3.3	3
115	Supporting capacity for research on malaria in Africa. BMJ Global Health, 2018, 3, e000723.	4.7	3
116	The Role of ICAM-1 as a Receptor for Rhinovirus and Malaria. Chemical Immunology and Allergy, 1991, 50, 116-134.	1.7	2
117	Parasite histones mediate bloodâ€“brain barrier disruption in cerebral malaria. Clinical Medicine, 2020, 20, s96-s97.	1.9	2
118	Breaking down brain barrier breaches in cerebral malaria. Journal of Clinical Investigation, 2016, 126, 3725-3727.	8.2	1
119	Testing the effect of PAR1 inhibitors on Plasmodium falciparum-induced loss of endothelial cell barrier function. Wellcome Open Research, 2020, 5, 34.	1.8	1
120	The malaria genome project: resources for research. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2002, 96, 6.	1.8	0
121	Cryptic malaria parasites unveiled. Blood, 2003, 101, 4650-4650.	1.4	0
122	Parasites in Pregnancy. Parasitology, 2007, 134, 1853-1854.	1.5	0
123	Inhibition and reversal of cytoadherence in Plasmodium falciparum malaria. British Journal of Hospital Medicine (London, England: 2005), 2012, 73, 408-408.	0.5	0
124	A Simple Protocol for Platelet-mediated Clumping of Plasmodium falciparum-infected Erythrocytes in a Resource Poor Setting. Journal of Visualized Experiments, 2013, , e4316.	0.3	0
125	THE BBB IN ENCEPHALITIS: INFLAMMATION & A ROLE FOR STEROIDS?. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, e4.29-e4.	1.9	0
126	Interations of the Plasmodium falciparumâ€”Infected Erythrocyte with ICAM-1. , 1993, , 92-103.		0

#	Article	IF	Citations
127	A Novel Role for Von Willebrand Factor in the Pathogenesis of Experimental Cerebral Malaria. Blood, 2014, 124, 97-97.	1.4	0