

Kirk A Rockett

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

5,170
citations

147801

31
h-index

106344

65
g-index

81
all docs

81
docs citations

81
times ranked

7315
citing authors

#	ARTICLE	IF	CITATIONS
1	Malaria protection due to sickle haemoglobin depends on parasite genotype. <i>Nature</i> , 2022, 602, 106-111.	27.8	36
2	High-throughput genotyping assays for identification of glycoprotein B deletion variants in population studies. <i>Experimental Biology and Medicine</i> , 2021, 246, 916-928.	2.4	2
3	Evaluating the Performance of Malaria Genetics for Inferring Changes in Transmission Intensity Using Transmission Modeling. <i>Molecular Biology and Evolution</i> , 2021, 38, 274-289.	8.9	17
4	Malaria is a cause of iron deficiency in African children. <i>Nature Medicine</i> , 2021, 27, 653-658.	30.7	35
5	An open dataset of <i>Plasmodium falciparum</i> genome variation in 7,000 worldwide samples. <i>Wellcome Open Research</i> , 2021, 6, 42.	1.8	97
6	Temporal evolution of sulfadoxine-pyrimethamine resistance genotypes and genetic diversity in response to a decade of increased interventions against <i>Plasmodium falciparum</i> in northern Ghana. <i>Malaria Journal</i> , 2021, 20, 152.	2.3	6
7	Novel genotyping approaches to easily detect genomic admixture between the major Afrotropical malaria vector species, <i>Anopheles coluzzii</i> and <i>An. gambiae</i> . <i>Molecular Ecology Resources</i> , 2021, 21, 1504-1516.	4.8	7
8	Improving statistical power in severe malaria genetic association studies by augmenting phenotypic precision. <i>ELife</i> , 2021, 10, .	6.0	22
9	An open dataset of <i>Plasmodium falciparum</i> genome variation in 7,000 worldwide samples. <i>Wellcome Open Research</i> , 2021, 6, 42.	1.8	51
10	Genetic surveillance in the Greater Mekong subregion and South Asia to support malaria control and elimination. <i>ELife</i> , 2021, 10, .	6.0	53
11	Red blood cell tension protects against severe malaria in the Dantu blood group. <i>Nature</i> , 2020, 585, 579-583.	27.8	69
12	Risk of pneumococcal bacteremia in Kenyan children with glucose-6-phosphate dehydrogenase deficiency. <i>BMC Medicine</i> , 2020, 18, 148.	5.5	4
13	Haplotype heterogeneity and low linkage disequilibrium reduce reliable prediction of genotypes for the $\alpha^1\pm 3.71$ form of β -thalassaemia using genome-wide microarray data. <i>Wellcome Open Research</i> , 2020, 5, 287.	1.8	3
14	Haplotype heterogeneity and low linkage disequilibrium reduce reliable prediction of genotypes for the $\alpha^1\pm 3.71$ form of β -thalassaemia using genome-wide microarray data. <i>Wellcome Open Research</i> , 2020, 5, 287.	1.8	4
15	Interferon-gamma polymorphisms and risk of iron deficiency and anaemia in Gambian children. <i>Wellcome Open Research</i> , 2020, 5, 40.	1.8	4
16	Interferon-gamma polymorphisms and risk of iron deficiency and anaemia in Gambian children. <i>Wellcome Open Research</i> , 2020, 5, 40.	1.8	3
17	Evolution and expansion of multidrug-resistant malaria in southeast Asia: a genomic epidemiology study. <i>Lancet Infectious Diseases</i> , The, 2019, 19, 943-951.	9.1	219
18	A high throughput multi-locus insecticide resistance marker panel for tracking resistance emergence and spread in <i>Anopheles gambiae</i> . <i>Scientific Reports</i> , 2019, 9, 13335.	3.3	41

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19	The ferroportin Q248H mutation protects from anemia, but not malaria or bacteremia. <i>Science Advances</i> , 2019, 5, eaaw0109.	10.3	20
20	Investigating the drivers of the spatio-temporal patterns of genetic differences between <i>Plasmodium falciparum</i> malaria infections in Kilifi County, Kenya. <i>Scientific Reports</i> , 2019, 9, 19018.	3.3	2
21	Host genetic polymorphisms and serological response against malaria in a selected population in Sri Lanka. <i>Malaria Journal</i> , 2018, 17, 473.	2.3	3
22	Two complement receptor one alleles have opposing associations with cerebral malaria and interact with β -thalassaemia. <i>ELife</i> , 2018, 7, .	6.0	25
23	Human candidate gene polymorphisms and risk of severe malaria in children in Kilifi, Kenya: a case-control association study. <i>Lancet Haematology</i> , 2018, 5, e333-e345.	4.6	90
24	Resistance to malaria through structural variation of red blood cell invasion receptors. <i>Science</i> , 2017, 356, .	12.6	135
25	Malaria Host Candidate Genes Validated by Association With Current, Recent, and Historical Measures of Transmission Intensity. <i>Journal of Infectious Diseases</i> , 2017, 216, 45-54.	4.0	13
26	THE REAL McCOIL: A method for the concurrent estimation of the complexity of infection and SNP allele frequency for malaria parasites. <i>PLoS Computational Biology</i> , 2017, 13, e1005348.	3.2	93
27	Characterisation of the opposing effects of G6PD deficiency on cerebral malaria and severe malarial anaemia. <i>ELife</i> , 2017, 6, .	6.0	64
28	Micro-epidemiological structuring of <i>Plasmodium falciparum</i> parasite populations in regions with varying transmission intensities in Africa. <i>Wellcome Open Research</i> , 2017, 2, 10.	1.8	27
29	Geographic-genetic analysis of <i>Plasmodium falciparum</i> parasite populations from surveys of primary school children in Western Kenya. <i>Wellcome Open Research</i> , 2017, 2, 29.	1.8	14
30	Admixture into and within sub-Saharan Africa. <i>ELife</i> , 2016, 5, .	6.0	120
31	High-throughput genotyping of <i>Anopheles</i> mosquitoes using intact legs by <i>PLEX</i> . <i>Molecular Ecology Resources</i> , 2016, 16, 480-486.	4.8	5
32	Whole genome sequencing of <i>Plasmodium falciparum</i> from dried blood spots using selective whole genome amplification. <i>Malaria Journal</i> , 2016, 15, 597.	2.3	129
33	Tumour necrosis factor alpha promoter polymorphism, TNF-238 is associated with severe clinical outcome of <i>falciparum</i> malaria in Ibadan southwest Nigeria. <i>Acta Tropica</i> , 2016, 161, 62-67.	2.0	24
34	Heterogeneous alleles comprising G6PD deficiency trait in West Africa exert contrasting effects on two major clinical presentations of severe malaria. <i>Malaria Journal</i> , 2016, 15, 13.	2.3	25
35	Polymorphism in a lincRNA Associates with a Doubled Risk of Pneumococcal Bacteremia in Kenyan Children. <i>American Journal of Human Genetics</i> , 2016, 98, 1092-1100.	6.2	39
36	Environmental Correlation Analysis for Genes Associated with Protection against Malaria. <i>Molecular Biology and Evolution</i> , 2016, 33, 1188-1204.	8.9	21

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37	Severe anemia in Malawian children. <i>Malawi Medical Journal</i> , 2016, 28, 99-107.	0.6	19
38	Conjunctival fibrosis and the innate barriers to <i>Chlamydia trachomatis</i> intracellular infection: a genome wide association study. <i>Scientific Reports</i> , 2015, 5, 17447.	3.3	11
39	Genetic determinants of anti-malarial acquired immunity in a large multi-centre study. <i>Malaria Journal</i> , 2015, 14, 333.	2.3	26
40	Novel Insights Into the Protective Role of Hemoglobin S and C Against <i>Plasmodium falciparum</i> Parasitemia. <i>Journal of Infectious Diseases</i> , 2015, 212, 626-634.	4.0	26
41	Glucose-6-phosphate dehydrogenase deficiency and the risk of malaria and other diseases in children in Kenya: a case-control and a cohort study. <i>Lancet Haematology</i> , 2015, 2, e437-e444.	4.6	74
42	G6PD gene variants and its association with malaria in a Sri Lankan population. <i>Malaria Journal</i> , 2015, 14, 93.	2.3	9
43	A novel locus of resistance to severe malaria in a region of ancient balancing selection. <i>Nature</i> , 2015, 526, 253-257.	27.8	182
44	The African Genome Variation Project shapes medical genetics in Africa. <i>Nature</i> , 2015, 517, 327-332.	27.8	473
45	Epistasis between the haptoglobin common variant and β -thalassemia influences risk of severe malaria in Kenyan children. <i>Blood</i> , 2014, 123, 2008-2016.	1.4	23
46	A Genome Wide Association Study of <i>Plasmodium falciparum</i> Susceptibility to 22 Antimalarial Drugs in Kenya. <i>PLoS ONE</i> , 2014, 9, e96486.	2.5	27
47	Multiple populations of artemisinin-resistant <i>Plasmodium falciparum</i> in Cambodia. <i>Nature Genetics</i> , 2013, 45, 648-655.	21.4	424
48	Imputation-Based Meta-Analysis of Severe Malaria in Three African Populations. <i>PLoS Genetics</i> , 2013, 9, e1003509.	3.5	95
49	The genetic risk of acute seizures in African children with <i>falciparum</i> malaria. <i>Epilepsia</i> , 2013, 54, 990-1001.	5.1	36
50	Characterization of Within-Host <i>Plasmodium falciparum</i> Diversity Using Next-Generation Sequence Data. <i>PLoS ONE</i> , 2012, 7, e32891.	2.5	102
51	Candidate Polymorphisms and Severe Malaria in a Malian Population. <i>PLoS ONE</i> , 2012, 7, e43987.	2.5	41
52	Analysis of <i>Plasmodium falciparum</i> diversity in natural infections by deep sequencing. <i>Nature</i> , 2012, 487, 375-379.	27.8	450
53	An Effective Method to Purify <i>Plasmodium falciparum</i> DNA Directly from Clinical Blood Samples for Whole Genome High-Throughput Sequencing. <i>PLoS ONE</i> , 2011, 6, e22213.	2.5	68
54	Drug-Resistant Genotypes and Multi-Clonality in <i>Plasmodium falciparum</i> Analysed by Direct Genome Sequencing from Peripheral Blood of Malaria Patients. <i>PLoS ONE</i> , 2011, 6, e23204.	2.5	41

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55	Population Genetic Analysis of Plasmodium falciparum Parasites Using a Customized Illumina GoldenGate Genotyping Assay. PLoS ONE, 2011, 6, e20251.	2.5	63
56	Candidate malaria susceptibility/protective SNPs in hospital and population-based studies: the effect of sub-structuring. Malaria Journal, 2010, 9, 119.	2.3	28
57	Genome-wide association analyses identifies a susceptibility locus for tuberculosis on chromosome 18q11.2. Nature Genetics, 2010, 42, 739-741.	21.4	332
58	Allelic heterogeneity of G6PD deficiency in West Africa and severe malaria susceptibility. European Journal of Human Genetics, 2009, 17, 1080-1085.	2.8	109
59	Genome-wide and fine-resolution association analysis of malaria in West Africa. Nature Genetics, 2009, 41, 657-665.	21.4	345
60	Common variation in the ABO glycosyltransferase is associated with susceptibility to severe Plasmodium falciparum malaria. Human Molecular Genetics, 2008, 17, 567-576.	2.9	148
61	Severe Anemia in Malawian Children. New England Journal of Medicine, 2008, 358, 888-899.	27.0	345
62	Tumor necrosis factor SNP haplotypes are associated with iron deficiency anemia in West African children. Blood, 2008, 112, 4276-4283.	1.4	38
63	A haptoglobin gene promoter polymorphism (A→G) protects from anaemia in pregnant Zanzibari women. FASEB Journal, 2007, 21, A1119.	0.5	0
64	A haptoglobin gene promoter polymorphism and protection from malaria in Gambian children.. FASEB Journal, 2007, 21, A164.	0.5	0
65	Implications of inter-population linkage disequilibrium patterns on the approach to a disease association study in the human MHC class III. Immunogenetics, 2006, 58, 465-470.	2.4	10
66	Seasonal Childhood Anaemia in West Africa Is Associated with the Haptoglobin 2-2 Genotype. PLoS Medicine, 2006, 3, e172.	8.4	60
67	Geographic-genetic analysis of Plasmodium falciparum parasite populations from surveys of primary school children in Western Kenya. Wellcome Open Research, 0, 2, 29.	1.8	10
68	Micro-epidemiological structuring of Plasmodium falciparum parasite populations in regions with varying transmission intensities in Africa.. Wellcome Open Research, 0, 2, 10.	1.8	7