

# Akira Kaneko

## List of Publications by Year in descending order

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93  
papers

3,177  
citations

147801

31  
h-index

168389

53  
g-index

95  
all docs

95  
docs citations

95  
times ranked

3571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Artemisinin-Based Combination Therapy and Insecticide-Treated Nets on Malaria Burden in Zanzibar. <i>PLoS Medicine</i> , 2007, 4, e309.	8.4	505
2	Malaria eradication on islands. <i>Lancet, The</i> , 2000, 356, 1560-1564.	13.7	186
3	Mosaic organization and heterogeneity in frequency of allelic recombination of the <i>Plasmodium vivax</i> merozoite surface protein-1 locus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16348-16353.	7.1	135
4	RECOVERY OF CHLOROQUINE SENSITIVITY AND LOW PREVALENCE OF THE PLASMODIUM FALCIPARUM CHLOROQUINE RESISTANCE TRANSPORTER GENE MUTATION K76T FOLLOWING THE DISCONTINUANCE OF CHLOROQUINE USE IN MALAWI. <i>American Journal of Tropical Medicine and Hygiene</i> , 2003, 68, 413-415.	1.4	133
5	<i>Plasmodium falciparum</i> Accompanied the Human Expansion out of Africa. <i>Current Biology</i> , 2010, 20, 1283-1289.	3.9	121
6	Failure to detect <i>Plasmodium vivax</i> in West and Central Africa by PCR species typing. <i>Malaria Journal</i> , 2008, 7, 174.	2.3	75
7	<i>Plasmodium falciparum</i> Multidrug Resistance Protein 1 and Artemisinin-Based Combination Therapy in Africa. <i>Journal of Infectious Diseases</i> , 2009, 200, 1456-1464.	4.0	73
8	A community-directed strategy for sustainable malaria elimination on islands: Short-term MDA integrated with ITNs and robust surveillance. <i>Acta Tropica</i> , 2010, 114, 177-183.	2.0	69
9	High and Heterogeneous Prevalence of Asymptomatic and Sub-microscopic Malaria Infections on Islands in Lake Victoria, Kenya. <i>Scientific Reports</i> , 2016, 6, 36958.	3.3	66
10	Novel Mutations in K13 Propeller Gene of Artemisinin-Resistant <i>Plasmodium falciparum</i> . <i>Emerging Infectious Diseases</i> , 2015, 21, 490-492.	4.3	65
11	Recovery of chloroquine sensitivity and low prevalence of the <i>Plasmodium falciparum</i> chloroquine resistance transporter gene mutation K76T following the discontinuance of chloroquine use in Malawi. <i>American Journal of Tropical Medicine and Hygiene</i> , 2003, 68, 413-5.	1.4	64
12	Changing patterns of forest malaria among the mobile adult male population in Chumkiri District, Cambodia. <i>Acta Tropica</i> , 2008, 106, 207-212.	2.0	58
13	Expansion of wild type allele rather than back mutation in <i>pfprt</i> explains the recent recovery of chloroquine sensitivity of <i>Plasmodium falciparum</i> in Malawi. <i>Molecular and Biochemical Parasitology</i> , 2004, 135, 159-163.	1.1	57
14	Anemia and malaria at different altitudes in the western highlands of Kenya. <i>Acta Tropica</i> , 2004, 91, 167-175.	2.0	52
15	Diversity of the sarco/endoplasmic reticulum Ca <sup>2+</sup> -ATPase orthologue of <i>Plasmodium falciparum</i> (PfATP6). <i>Infection, Genetics and Evolution</i> , 2008, 8, 340-345.	2.3	52
16	Challenges for achieving safe and effective radical cure of <i>Plasmodium vivax</i> : a round table discussion of the APMEN Vivax Working Group. <i>Malaria Journal</i> , 2017, 16, 141.	2.3	52
17	Long PCR Amplification of <i>Plasmodium falciparum</i> DNA Extracted from Filter Paper Blots. <i>Experimental Parasitology</i> , 2001, 97, 50-54.	1.2	51
18	<i>Plasmodium vivax</i> gametocyte proteins, Pvs48/45 and Pvs47, induce transmission-reducing antibodies by DNA immunization. <i>Vaccine</i> , 2015, 33, 1901-1908.	3.8	51

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19	PfMDR1: Mechanisms of Transport Modulation by Functional Polymorphisms. <i>PLoS ONE</i> , 2011, 6, e23875.	2.5	51
20	High frequencies of CYP2C19 mutations and poor metabolism of proguanil in Vanuatu. <i>Lancet</i> , The, 1997, 349, 921-922.	13.7	50
21	Malaria epidemiology, glucose 6-phosphate dehydrogenase deficiency and human settlement in the Vanuatu Archipelago. <i>Acta Tropica</i> , 1998, 70, 285-302.	2.0	49
22	Independent Evolution of Pyrimethamine Resistance in <i>Plasmodium falciparum</i> Isolates in Melanesia. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1071-1077.	3.2	44
23	The Origins of African <i>Plasmodium vivax</i> ; Insights from Mitochondrial Genome Sequencing. <i>PLoS ONE</i> , 2011, 6, e29137.	2.5	42
24	The <i>Plasmodium</i> Apicoplast Genome: Conserved Structure and Close Relationship of <i>P. ovale</i> to Rodent Malaria Parasites. <i>Molecular Biology and Evolution</i> , 2012, 29, 2095-2099.	8.9	42
25	Population pharmacokinetics of amodiaquine and desethylamodiaquine in pediatric patients with uncomplicated <i>falciparum</i> malaria. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2007, 34, 669-686.	1.8	41
26	Improved detection of malaria cases in island settings of Vanuatu and Kenya by PCR that targets the <i>Plasmodium</i> mitochondrial cytochrome c oxidase III (cox3) gene. <i>Parasitology International</i> , 2015, 64, 304-308.	1.3	41
27	Intrinsic Efficacy of Proguanil against <i>Falciparum</i> and <i>Vivax</i> Malaria Independent of the Metabolite Cycloguanil. <i>Journal of Infectious Diseases</i> , 1999, 179, 974-979.	4.0	37
28	Clues to Evolution of the SERA Multigene Family in 18 <i>Plasmodium</i> Species. <i>PLoS ONE</i> , 2011, 6, e17775.	2.5	37
29	Role of <i>pfmdr1</i> mutations on chloroquine resistance in <i>Plasmodium falciparum</i> isolates with <i>pfcr1</i> K76T from Papua New Guinea. <i>Acta Tropica</i> , 2006, 98, 137-144.	2.0	36
30	Worldwide sequence conservation of transmission-blocking vaccine candidate Pvs230 in <i>Plasmodium vivax</i> . <i>Vaccine</i> , 2011, 29, 4308-4315.	3.8	35
31	Behavioral changes associated with economic development in the South Pacific: Health transition in Vanuatu. <i>American Journal of Human Biology</i> , 2011, 23, 366-376.	1.6	34
32	Characteristic Age Distribution of <i>Plasmodium vivax</i> Infections after Malaria Elimination on Aneityum Island, Vanuatu. <i>Infection and Immunity</i> , 2014, 82, 243-252.	2.2	33
33	Behavioral risk factors for obesity during health transition in Vanuatu, South Pacific. <i>Obesity</i> , 2013, 21, E98-E104.	3.0	32
34	Indigenous evolution of <i>Plasmodium falciparum</i> pyrimethamine resistance multiple times in Africa. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 63, 252-255.	3.0	31
35	Malaria transmission pattern resilience to climatic variability is mediated by insecticide-treated nets. <i>Malaria Journal</i> , 2008, 7, 100.	2.3	30
36	Geographic differentiation of polymorphism in the <i>Plasmodium falciparum</i> malaria vaccine candidate gene SERA5. <i>Vaccine</i> , 2012, 30, 1583-1593.	3.8	28

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37	When they don't bite, we smell money: understanding malaria bednet misuse. <i>Parasitology</i> , 2013, 140, 580-586.	1.5	26
38	Serological measures to assess the efficacy of malaria control programme on Ambae Island, Vanuatu. <i>Parasites and Vectors</i> , 2017, 10, 204.	2.5	26
39	Functional characterization of 50 CYP2D6 allelic variants by assessing primaquine 5-hydroxylation. <i>Drug Metabolism and Pharmacokinetics</i> , 2018, 33, 250-257.	2.2	25
40	Limited recombination events in merozoite surface protein-1 alleles of <i>Plasmodium falciparum</i> on islands. <i>Gene</i> , 2001, 279, 41-48.	2.2	24
41	Spontaneous Mutations in the <i>Plasmodium falciparum</i> Sarcoplasmic/ Endoplasmic Reticulum Ca <sup>2+</sup> -ATPase (PfATP6) Gene among Geographically Widespread Parasite Populations Unexposed to Artemisinin-Based Combination Therapies. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 94-100.	3.2	23
42	Patterns of childhood and adolescent overweight and obesity during health transition in Vanuatu. <i>Public Health Nutrition</i> , 2012, 15, 158-166.	2.2	23
43	First detection and molecular identification of <i>Entamoeba bovis</i> from Japanese cattle. <i>Parasitology Research</i> , 2018, 117, 339-342.	1.6	23
44	Determinants of the use of insecticide-treated bed nets on islands of pre- and post-malaria elimination: an application of the health belief model in Vanuatu. <i>Malaria Journal</i> , 2014, 13, 441.	2.3	21
45	Malaria dispersal among islands: human mediated <i>Plasmodium falciparum</i> gene flow in Vanuatu, Melanesia. <i>Acta Tropica</i> , 2004, 90, 181-185.	2.0	20
46	Large-scale survey for novel genotypes of <i>Plasmodium falciparum</i> chloroquine-resistance gene <i>pfcr</i> . <i>Malaria Journal</i> , 2012, 11, 92.	2.3	20
47	A prescription for sustaining community engagement in malaria elimination on Aneityum Island, Vanuatu: an application of Health Empowerment Theory. <i>Malaria Journal</i> , 2015, 14, 291.	2.3	20
48	Impact of modernization on adult body composition on five islands of varying economic development in vanuatu. <i>American Journal of Human Biology</i> , 2015, 27, 832-844.	1.6	19
49	Little Polymorphism at the K13 Propeller Locus in Worldwide <i>Plasmodium falciparum</i> Populations Prior to the Introduction of Artemisinin Combination Therapies. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3340-3347.	3.2	18
50	Rapid selection of <i>dhfr</i> mutant allele in <i>Plasmodium falciparum</i> isolates after the introduction of sulfadoxine/pyrimethamine in combination with 4-aminoquinolines in Papua New Guinea. <i>Infection, Genetics and Evolution</i> , 2006, 6, 447-452.	2.3	17
51	Naturally acquired antibody response to <i>Plasmodium falciparum</i> describes heterogeneity in transmission on islands in Lake Victoria. <i>Scientific Reports</i> , 2017, 7, 9123.	3.3	17
52	High-Resolution Linear Epitope Mapping of the Receptor Binding Domain of SARS-CoV-2 Spike Protein in COVID-19 mRNA Vaccine Recipients. <i>Microbiology Spectrum</i> , 2021, 9, e0096521.	3.0	17
53	Spleen rates in children: an old and new surveillance tool for malaria elimination initiatives in island settings. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2011, 105, 226-231.	1.8	15
54	Genetic Diversity and Population Structure of <i>Plasmodium falciparum</i> in Lake Victoria Islands, A Region of Intense Transmission. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 1077-1085.	1.4	15

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55	Malaria resurgence after significant reduction by mass drug administration on Ngodhe Island, Kenya. <i>Scientific Reports</i> , 2019, 9, 19060.	3.3	15
56	Reconstructing the origin of the Lapita Cultural Complex: mtDNA analyses of East Sepik Province, PNG. <i>Journal of Human Genetics</i> , 2008, 53, 698-708.	2.3	14
57	Austronesian origin of the 27-bp deletion of the erythrocyte band 3 gene in East Sepik, Papua New Guinea inferred from mtDNA analysis. <i>Journal of Human Genetics</i> , 2006, 51, 244-248.	2.3	13
58	Random, top-down, or bottom-up coexistence of parasites: malaria population dynamics in multi-parasitic settings. <i>Ecology</i> , 2009, 90, 2414-2425.	3.2	13
59	Relationships between psychosocial distress and diet during pregnancy and infant birthweight in a lower-middle income country: "healthy mothers, healthy communities" study in Vanuatu. <i>Annals of Human Biology</i> , 2018, 45, 220-228.	1.0	11
60	Characterizing the genomic variation and population dynamics of <i>Plasmodium falciparum</i> malaria parasites in and around Lake Victoria, Kenya. <i>Scientific Reports</i> , 2021, 11, 19809.	3.3	11
61	<i>Plasmodium vivax</i> and <i>Plasmodium falciparum</i> at the Crossroads of Exchange among Islands in Vanuatu: Implications for Malaria Elimination Strategies. <i>PLoS ONE</i> , 2015, 10, e0119475.	2.5	10
62	Ownership of consumer electronics is associated with measures of adiposity during health transition in Vanuatu. <i>American Journal of Human Biology</i> , 2017, 29, e22928.	1.6	10
63	Rapid and sensitive multiplex single-tube nested PCR for the identification of five human <i>Plasmodium</i> species. <i>Parasitology International</i> , 2018, 67, 277-283.	1.3	10
64	Improvement of malaria diagnostic system based on acridine orange staining. <i>Malaria Journal</i> , 2018, 17, 72.	2.3	10
65	Using multiple correspondence analysis to identify behaviour patterns associated with overweight and obesity in Vanuatu adults. <i>Public Health Nutrition</i> , 2019, 22, 1533-1544.	2.2	10
66	Flashback to the 1960s: Utility of archived sera to explore the origin and evolution of <i>Plasmodium falciparum</i> chloroquine resistance in the Pacific. <i>Acta Tropica</i> , 2006, 99, 15-22.	2.0	9
67	Development and application of a rapid and sensitive genotyping method for pharmacogene variants using the single-stranded tag hybridization chromatographic printed-array strip (STH-PAS). <i>Drug Metabolism and Pharmacokinetics</i> , 2018, 33, 258-263.	2.2	9
68	CYP2D6 genotyping analysis and functional characterization of novel allelic variants in a Ni-Vanuatu and Kenyan population by assessing dextromethorphan O-demethylation activity. <i>Drug Metabolism and Pharmacokinetics</i> , 2020, 35, 89-101.	2.2	9
69	Factors Contributing to Symptom Duration and Viral Reduction in Outpatient Children With Respiratory Syncytial Virus Infection. <i>Pediatric Infectious Disease Journal</i> , 2020, 39, 678-683.	2.0	9
70	Computer Simulation of a Malaria Control Trial in Vanuatu using a Mathematical Model with Variable Vectorial Capacity. <i>Tropical Medicine and Health</i> , 1996, 24, 11-19.	0.1	8
71	Psychosocial distress among women following a natural disaster in a low- to middle-income country: "healthy mothers, healthy communities" study in Vanuatu. <i>Archives of Women's Mental Health</i> , 2019, 22, 825-829.	2.6	8
72	Frequency of the Functionally Relevant Aryl Hydrocarbon Receptor Repressor (AhRR) Pro185Ala SNP in Papua New Guinea. <i>Drug Metabolism and Pharmacokinetics</i> , 2013, 28, 519-521.	2.2	7

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73	Repeated myiasis in a female vulvar squamous cell carcinoma caused by <i>Lucilia sericata</i> and <i>Sarcophaga crassipalpis</i> . <i>Journal of Dermatology</i> , 2015, 42, 840-841.	1.2	7
74	Community-directed malaria freedom on Aneityum Island, Vanuatu, 1991-2014. <i>Malaria Journal</i> , 2014, 13, .	2.3	6
75	Single nucleotide polymorphisms in <i>Plasmodium falciparum</i> V type H+ pyrophosphatase gene (pfvp2) and their associations with pfcr1 and pfmdr1 polymorphisms. <i>Infection, Genetics and Evolution</i> , 2014, 24, 111-115.	2.3	6
76	Selections, frameshift mutations, and copy number variation detected on the surf 4.1 gene in the western Kenyan <i>Plasmodium falciparum</i> population. <i>Malaria Journal</i> , 2017, 16, 98.	2.3	6
77	Rapid selection of sulphadoxine-resistant <i>Plasmodium falciparum</i> and its effect on within-population genetic diversity in Papua New Guinea. <i>Scientific Reports</i> , 2018, 8, 5565.	3.3	6
78	Iron Deficiency and Severe <i>Plasmodium falciparum</i> Malaria. <i>Clinical Infectious Diseases</i> , 2012, 54, 1145-1147.	5.8	5
79	Relationships between mental health and diet during pregnancy and birth outcomes in a lower-middle income country: "Healthy mothers, healthy communities" study in Vanuatu. <i>American Journal of Human Biology</i> , 2021, 33, e23500.	1.6	5
80	Efficacy of ultraviolet light-emitting diodes (UV-LED) at four different peak wavelengths against <i>Cryptosporidium parvum</i> oocysts by inactivation assay using immunodeficient mice. <i>Parasitology International</i> , 2020, 77, 102108.	1.3	4
81	Secular change in adult stature associated with modernization in Vanuatu. <i>American Journal of Human Biology</i> , 2017, 29, e23008.	1.6	3
82	Rolling Tobacco in Banana Leaves, Newspaper, or Copybook Paper Associated With Significant Reduction in Lung Function in Vanuatu. <i>Asia-Pacific Journal of Public Health</i> , 2017, 29, 180-188.	1.0	3
83	Gnathostomiasis caused by ingestion of raw <i>Oncorhynchus masou ishikawae</i> roe. <i>Journal of Dermatology</i> , 2017, 44, e208-e209.	1.2	3
84	MASS DRUG ADMINISTRATION (MDA) INTEGRATED MALARIA ELIMINATION IN A HYPO-ENDEMIC ISLAND IN LAKE VICTORIA, KENYA. <i>BMJ Global Health</i> , 2017, 2, A14.1-A14.	4.7	2
85	Coming to grips with economic development: Variation in adult hand grip strength during health transition in Vanuatu. <i>American Journal of Physical Anthropology</i> , 2018, 167, 760-776.	2.1	2
86	Malaria on Islands. <i>Advances in Experimental Medicine and Biology</i> , 2003, , 71-82.	1.6	2
87	Hypothesis: malaria biodiversity and control on Island Melanesia. <i>International Congress Series</i> , 2004, 1267, 88-97.	0.2	1
88	Transitions in morphological forms and rapid development of the asexual schizonts of <i>Eimeria tenella</i> through serial passaging in chicks. <i>Infection, Genetics and Evolution</i> , 2019, 75, 103993.	2.3	1
89	Relationships between Prenatal Distress and Infant Body Mass Index in the First Year of Life in a Lower-Middle Income Country. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7351.	2.6	1
90	Greater central adiposity resulting from increased market integration is associated with elevated C-reactive protein levels in older women from the Republic of Vanuatu. <i>Human Biology and Public Health</i> , 0, 2, .	0.0	1

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91	Knowledge and practices of malaria prevention with ITNs in post-and near-elimination areas of Vanuatu. <i>Malaria Journal</i> , 2012, 11, .	2.3	0
92	CTLA-4 polymorphisms and anti-malarial antibodies in a hyper-endemic population of Papua New Guinea. <i>Tropical Medicine and Health</i> , 2008, 36, 93-100.	2.8	0
93	Evaluation of <i>Cryptosporidium parvum</i> oocyst inactivation following exposure to ultraviolet light-emitting diodes by in vitro excystation and dye staining assays. <i>Parasitology International</i> , 2022, 88, 102557.	1.3	0