

# Simon A Babayan

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

2,828  
citations

257450

24  
h-index

206112

48  
g-index

59  
all docs

59  
docs citations

59  
times ranked

4766  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid age-grading and species identification of natural mosquitoes for malaria surveillance. <i>Nature Communications</i> , 2022, 13, 1501.	12.8	28
2	Vaccine-induced time- and age-dependent mucosal immunity to gastrointestinal parasite infection. <i>Npj Vaccines</i> , 2022, 7, .	6.0	6
3	Supplemented nutrition decreases helminth burden and increases drug efficacy in a natural host-helminth system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202722.	2.6	17
4	Identifying and prioritizing potential human-infecting viruses from their genome sequences. <i>PLoS Biology</i> , 2021, 19, e3001390.	5.6	54
5	ABO Blood Groups Do Not Predict <i>Schistosoma mansoni</i> Infection Profiles in Highly Endemic Villages of Uganda. <i>Microorganisms</i> , 2021, 9, 2448.	3.6	0
6	The parasitic worm product ES-62 promotes health- and life-span in a high calorie diet-accelerated mouse model of ageing. <i>PLoS Pathogens</i> , 2020, 16, e1008391.	4.7	22
7	Variation in Local and Systemic Pro-Inflammatory Immune Markers of Wild Wood Mice after Anthelmintic Treatment. <i>Integrative and Comparative Biology</i> , 2019, 59, 1190-1202.	2.0	7
8	Inherent biomechanical traits enable infective filariae to disseminate through collecting lymphatic vessels. <i>Nature Communications</i> , 2019, 10, 2895.	12.8	17
9	Detection of malaria parasites in dried human blood spots using mid-infrared spectroscopy and logistic regression analysis. <i>Malaria Journal</i> , 2019, 18, 341.	2.3	36
10	Using mid-infrared spectroscopy and supervised machine-learning to identify vertebrate blood meals in the malaria vector, <i>Anopheles arabiensis</i> . <i>Malaria Journal</i> , 2019, 18, 187.	2.3	28
11	Refugia and anthelmintic resistance: Concepts and challenges. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2019, 10, 51-57.	3.4	65
12	Age affects antibody levels and anthelmintic treatment efficacy in a wild rodent. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2019, 8, 240-247.	1.5	18
13	Parasitic nematodes simultaneously suppress and benefit from coccidian coinfection in their natural mouse host. <i>Parasitology</i> , 2019, 146, 1096-1106.	1.5	21
14	Comparative analysis of small RNAs released by the filarial nematode <i>Litomosoides sigmodontis</i> in vitro and in vivo. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007811.	3.0	19
15	Comparative genomics of the major parasitic worms. <i>Nature Genetics</i> , 2019, 51, 163-174.	21.4	377
16	Prediction of mosquito species and population age structure using mid-infrared spectroscopy and supervised machine learning. <i>Wellcome Open Research</i> , 2019, 4, 76.	1.8	40
17	Prediction of mosquito species and population age structure using mid-infrared spectroscopy and supervised machine learning. <i>Wellcome Open Research</i> , 2019, 4, 76.	1.8	36
18	Chronic helminth infection burden differentially affects haematopoietic cell development while ageing selectively impairs adaptive responses to infection. <i>Scientific Reports</i> , 2018, 8, 3802.	3.3	14

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19	Reviewing the effects of food provisioning on wildlife immunity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170088.	4.0	74
20	<i>Onchocerca volvulus</i> : The Road from Basic Biology to a Vaccine. <i>Trends in Parasitology</i> , 2018, 34, 64-79.	3.3	36
21	Predicting reservoir hosts and arthropod vectors from evolutionary signatures in RNA virus genomes. <i>Science</i> , 2018, 362, 577-580.	12.6	140
22	The Immune and Non-Immune Pathways That Drive Chronic Gastrointestinal Helminth Burdens in the Wild. <i>Frontiers in Immunology</i> , 2018, 9, 56.	4.8	23
23	Elevated Immune Gene Expression Is Associated with Poor Reproductive Success of Urban Blue Tits. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	42
24	Extracellular <i>Onchocerca</i> -derived small RNAs in host nodules and blood. <i>Parasites and Vectors</i> , 2015, 8, 58.	2.5	98
25	The case for vaccine development in the strategy to eradicate river blindness (onchocerciasis) from Africa. <i>Expert Review of Vaccines</i> , 2015, 14, 1163-1165.	4.4	20
26	The Secreted Triose Phosphate Isomerase of <i>Brugia malayi</i> Is Required to Sustain Microfilaria Production In Vivo. <i>PLoS Pathogens</i> , 2014, 10, e1003930.	4.7	22
27	Exosomes secreted by nematode parasites transfer small RNAs to mammalian cells and modulate innate immunity. <i>Nature Communications</i> , 2014, 5, 5488.	12.8	640
28	Comparative Analysis of the Secretome from a Model Filarial Nematode ( <i>Litomosoides sigmodontis</i> ) Reveals Maximal Diversity in Gravid Female Parasites. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2527-2544.	3.8	32
29	Phylogenomics and Analysis of Shared Genes Suggest a Single Transition to Mutualism in <i>Wolbachia</i> of Nematodes. <i>Genome Biology and Evolution</i> , 2013, 5, 1668-1674.	2.5	49
30	Deletion of Parasite Immune Modulatory Sequences Combined with Immune Activating Signals Enhances Vaccine Mediated Protection against Filarial Nematodes. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1968.	3.0	26
31	Immunity in Society: Diverse Solutions to Common Problems. <i>PLoS Biology</i> , 2012, 10, e1001297.	5.6	11
32	Harnessing evolutionary biology to combat infectious disease. <i>Nature Medicine</i> , 2012, 18, 217-220.	30.7	23
33	Future prospects and challenges of vaccines against filariasis. <i>Parasite Immunology</i> , 2012, 34, 243-253.	1.5	39
34	Interactive effects of protein nutrition, genetic growth potential and <i>Heligmosomoides bakeri</i> infection pressure on resilience and resistance in mice. <i>Parasitology</i> , 2011, 138, 1305-1315.	1.5	9
35	Wild immunology. <i>Molecular Ecology</i> , 2011, 20, 872-880.	3.9	186
36	Filarial Parasites Develop Faster and Reproduce Earlier in Response to Host Immune Effectors That Determine Filarial Life Expectancy. <i>PLoS Biology</i> , 2010, 8, e1000525.	5.6	73

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37	Immune responses to macroparasites are sensitive to the interaction between genetic growth potential and protein nutrition in mice. <i>Proceedings of the Nutrition Society</i> , 2009, 68, .	1.0	0
38	Pleural cellular reaction to the filarial infection <i>Litomosoides sigmodontis</i> is determined by the moulting process, the worm alteration, and the host strain. <i>Parasitology International</i> , 2008, 57, 201-211.	1.3	22
39	Does <i>Litomosoides sigmodontis</i> synthesize dimethylethanolamine from choline?. <i>Parasitology</i> , 2008, 135, 55-61.	1.5	4
40	CTLA-4 and CD4+CD25+ Regulatory T Cells Inhibit Protective Immunity to Filarial Parasites In Vivo. <i>Journal of Immunology</i> , 2007, 179, 4626-4634.	0.8	113
41	Vaccination against filarial nematodes with irradiated larvae provides long-term protection against the third larval stage but not against subsequent life cycle stages. <i>International Journal for Parasitology</i> , 2006, 36, 903-914.	3.1	50
42	Blood-feeding in the young adult filarial worms <i>Litomosoides sigmodontis</i> . <i>Parasitology</i> , 2005, 130, 421-428.	1.5	17
43	Increased early local immune responses and altered worm development in high-dose infections of mice susceptible to the filaria <i>Litomosoides sigmodontis</i> . <i>Medical Microbiology and Immunology</i> , 2005, 194, 151-162.	4.8	29
44	The subcutaneous movements of filarial infective larvae are impaired in vaccinated hosts in comparison to primary infected hosts. <i>Parasites and Vectors</i> , 2005, 4, 3.	1.3	11
45	Behaviour of filariae: morphological and anatomical signatures of their life style within the arthropod and vertebrate hosts. , 2003, 2, 16.		42
46	Resistance and Susceptibility to Filarial Infection with <i>Litomosoides sigmodontis</i> Are Associated with Early Differences in Parasite Development and in Localized Immune Reactions. <i>Infection and Immunity</i> , 2003, 71, 6820-6829.	2.2	55
47	Examination of type material of two species of <i>Litomosoides</i> (Filarioidea : Onchocercidae), parasites from bats ; taxonomic consequences. <i>Parasite</i> , 2003, 10, 211-218.	2.0	17
48	B-Cell Deficiency Suppresses Vaccine-Induced Protection against Murine Filariasis but Does Not Increase the Recovery Rate for Primary Infection. <i>Infection and Immunity</i> , 2001, 69, 7067-7073.	2.2	57
49	Prediction of mosquito species and population age structure using mid-infrared spectroscopy and supervised machine learning. <i>Wellcome Open Research</i> , 0, 4, 76.	1.8	2