

James B Lok

List of Publications by Year in descending order

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46
papers

1,535
citations

430874

18
h-index

330143

37
g-index

48
all docs

48
docs citations

48
times ranked

1468
citing authors

#	ARTICLE	IF	CITATIONS
1	The "nuclear option"™ revisited: Confirmation of Ss-daf-12 function and therapeutic potential in <i>Strongyloides stercoralis</i> and other parasitic nematode infections. <i>Molecular and Biochemical Parasitology</i> , 2022, 250, 111490.	1.1	4
2	A novel assay to isolate and quantify third-stage <i>Dirofilaria immitis</i> and <i>Brugia malayi</i> larvae emerging from individual <i>Aedes aegypti</i> . <i>Parasites and Vectors</i> , 2021, 14, 30.	2.5	3
3	Identification of a nuclear receptor/coactivator developmental signaling pathway in the nematode parasite <i>Strongyloides stercoralis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
4	Transcriptional profiles in <i>Strongyloides stercoralis</i> males reveal deviations from the <i>Caenorhabditis</i> sex determination model. <i>Scientific Reports</i> , 2021, 11, 8254.	3.3	6
5	<i>Strongyloides</i> -Specific IgE Phage cDNA Clones and Development of a Novel ELISA for Strongyloidiasis. <i>Diagnostics</i> , 2021, 11, 985.	2.6	3
6	<i>Strongyloides stercoralis</i> and HTLV-1 coinfection in CD34+ cord blood stem cell humanized mice: Alteration of cytokine responses and enhancement of larval growth. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009559.	3.0	3
7	Transgenic expression of a T cell epitope in <i>Strongyloides ratti</i> reveals that helminth-specific CD4+ T cells constitute both Th2 and Treg populations. <i>PLoS Pathogens</i> , 2021, 17, e1009709.	4.7	10
8	Characterization of the endogenous DAF-12 ligand and its use as an anthelmintic agent in <i>Strongyloides stercoralis</i> . <i>ELife</i> , 2021, 10, .	6.0	11
9	Activation of mosquito immunity blocks the development of transmission-stage filarial nematodes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3711-3717.	7.1	25
10	Diagnostic Potential of an IgE-ELISA in Detecting Strongyloidiasis. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 2288-2293.	1.4	4
11	CRISPR/Cas9 Mutagenesis and Expression of Dominant Mutant Transgenes as Functional Genomic Approaches in Parasitic Nematodes. <i>Frontiers in Genetics</i> , 2019, 10, 656.	2.3	19
12	Advances in the Molecular and Cellular Biology of <i>Strongyloides</i> spp.. <i>Current Tropical Medicine Reports</i> , 2019, 6, 161-178.	3.7	14
13	Evaluation of DNA Extraction Methods on Individual Helminth Egg and Larval Stages for Whole-Genome Sequencing. <i>Frontiers in Genetics</i> , 2019, 10, 826.	2.3	30
14	Liposome-based transfection enhances RNAi and CRISPR-mediated mutagenesis in non-model nematode systems. <i>Scientific Reports</i> , 2019, 9, 483.	3.3	47
15	<i>Bacillus thuringiensis</i> Cry5B is Active against <i>Strongyloides stercoralis</i> in vitro. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019, 101, 1177-1182.	1.4	3
16	Methylprednisolone acetate induces, and γ -dafachronic acid suppresses, <i>Strongyloides stercoralis</i> hyperinfection in NSG mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 204-209.	7.1	47
17	Identification and Preliminary Evaluation of a Novel Recombinant Protein for Serodiagnosis of Strongyloidiasis. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 98, 1165-1170.	1.4	16
18	Two-Stage Isothermal Enzymatic Amplification for Concurrent Multiplex Molecular Detection. <i>Clinical Chemistry</i> , 2017, 63, 714-722.	3.2	85

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19	Structural and developmental expression of Ss-riok-2, an RIO protein kinase encoding gene of <i>Strongyloides stercoralis</i> . <i>Scientific Reports</i> , 2017, 7, 8693.	3.3	6
20	Functional genomic exploration reveals that Ss-RIOK-1 is essential for the development and survival of <i>Strongyloides stercoralis</i> larvae. <i>International Journal for Parasitology</i> , 2017, 47, 933-940.	3.1	7
21	Different but overlapping populations of <i>Strongyloides stercoralis</i> in dogs and humans—Dogs as a possible source for zoonotic strongyloidiasis. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005752.	3.0	117
22	Heritable genetic transformation of <i>Strongyloides stercoralis</i> by microinjection of plasmid DNA constructs into the male germline. <i>International Journal for Parasitology</i> , 2017, 47, 511-515.	3.1	17
23	Regulation of Life Cycle Checkpoints and Developmental Activation of Infective Larvae in <i>Strongyloides stercoralis</i> by Dafachronic Acid. <i>PLoS Pathogens</i> , 2016, 12, e1005358.	4.7	53
24	Signaling in Parasitic Nematodes: Physicochemical Communication Between Host and Parasite and Endogenous Molecular Transduction Pathways Governing Worm Development and Survival. <i>Current Clinical Microbiology Reports</i> , 2016, 3, 186-197.	3.4	17
25	Reconstruction of the insulin-like signalling pathway of <i>Haemonchus contortus</i> . <i>Parasites and Vectors</i> , 2016, 9, 64.	2.5	12
26	Molecular characterization of the <i>Haemonchus contortus</i> phosphoinositide-dependent protein kinase-1 gene (Hc-pdk-1). <i>Parasites and Vectors</i> , 2016, 9, 65.	2.5	13
27	The genomic basis of parasitism in the <i>Strongyloides</i> clade of nematodes. <i>Nature Genetics</i> , 2016, 48, 299-307.	21.4	226
28	The Developmental Biology of Parasitic Nematodes. <i>PLoS Pathogens</i> , 2016, 12, e1005328.	4.7	2
29	The Nuclear Receptor DAF-12 Regulates Nutrient Metabolism and Reproductive Growth in Nematodes. <i>PLoS Genetics</i> , 2015, 11, e1005027.	3.5	41
30	Exploring the role of two interacting phosphoinositide 3-kinases of <i>Haemonchus contortus</i> . <i>Parasites and Vectors</i> , 2014, 7, 498.	2.5	13
31	Exploring features and function of Ss-riok-3, an enigmatic kinase gene from <i>Strongyloides stercoralis</i> . <i>Parasites and Vectors</i> , 2014, 7, 561.	2.5	6
32	cGMP and NHR Signaling Co-regulate Expression of Insulin-Like Peptides and Developmental Activation of Infective Larvae in <i>Strongyloides stercoralis</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004235.	4.7	41
33	Toward Understanding the Functional Role of Ss-riok-1, a RIO Protein Kinase-Encoding Gene of <i>Strongyloides stercoralis</i> . <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3062.	3.0	13
34	<i>Strongyloides stercoralis</i> and Relatives: Recent Advances in General and Molecular Biology. <i>Current Tropical Medicine Reports</i> , 2014, 1, 194-206.	3.7	6
35	Extracellular traps are associated with human and mouse neutrophil and macrophage mediated killing of larval <i>Strongyloides stercoralis</i> . <i>Microbes and Infection</i> , 2014, 16, 502-511.	1.9	113
36	Hc-daf-2 encodes an insulin-like receptor kinase in the barber's pole worm, <i>Haemonchus contortus</i> , and restores partial dauer regulation. <i>International Journal for Parasitology</i> , 2014, 44, 485-496.	3.1	25

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37	<i>piggyBac</i> . Mobile Genetic Elements, 2013, 3, e24417.	1.8	16
38	RNAseq Analysis of the Parasitic Nematode <i>Strongyloides stercoralis</i> Reveals Divergent Regulation of Canonical Dauer Pathways. PLoS Neglected Tropical Diseases, 2012, 6, e1854.	3.0	79
39	Nucleic acid transfection and transgenesis in parasitic nematodes. Parasitology, 2012, 139, 574-588.	1.5	35
40	Identification of the nuclear receptor DAF-12 as a therapeutic target in parasitic nematodes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9138-9143.	7.1	117
41	<i>Strongyloides stercoralis</i> : Amphidial neuron pair ASJ triggers significant resumption of development by infective larvae under host-mimicking in vitro conditions. Experimental Parasitology, 2007, 115, 92-97.	1.2	37
42	<i>Strongyloides stercoralis</i> : a model for translational research on parasitic nematode biology. WormBook, 2007, , 1-18.	5.3	76
43	Efficacy of an injectable, sustained-release formulation of moxidectin in preventing experimental heartworm infection in mongrel dogs challenged 12 months after administration. Veterinary Parasitology, 2005, 128, 129-135.	1.8	14
44	Six-month prophylactic efficacy of moxidectin sustained release (SR) injectable for dogs against experimental heartworm infection in growing puppies. Veterinary Parasitology, 2005, 133, 233-241.	1.8	8
45	Transgene expression in <i>Strongyloides stercoralis</i> following gonadal microinjection of DNA constructs. Molecular and Biochemical Parasitology, 2002, 119, 279-284.	1.1	49
46	Activity of an injectable, sustained-release formulation of moxidectin administered prophylactically to mixed-breed dogs to prevent infection with <i>Dirofilaria immitis</i> . American Journal of Veterinary Research, 2001, 62, 1721-1726.	0.6	31