Eric S Loker

List of Publications by Year
in descending order

73 papers	3,987 citations	136950 32 h-index	123424 61 g-index
75 all docs	75 docs citations	75 times ranked	2544 citing authors

#	Article	IF	Citations
1	Invertebrate immune systems â€“ not homogeneous, not simple, not well understood. Immunological Reviews, 2004, 198, 10-24.	6.0	589
2	Diversification of Ig Superfamily Genes in an Invertebrate. Science, 2004, 305, 251-254.	12.6	366
3	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. Nature Communications, 2017, 8, 15451.	12.8	216
4	Evolutionary Relationships and Biogeography of Biomphalaria (Gastropoda: Planorbidae) with Implications Regarding Its Role as Host of the Human Bloodfluke, Schistosoma mansoni. Molecular Biology and Evolution, 2001, 18, 2225-2239.	8.9	152
5	Role for a somatically diversified lectin in resistance of an invertebrate to parasite infection. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21087-21092.	7.1	132
6	A phylogeny of planorbid snails, with implications for the evolution of Schistosoma parasites. Molecular Phylogenetics and Evolution, 2002, 25, 477-488.	2.7	105
7	EVOLUTIONARY RELATIONSHIPS AMONG THE SCHISTOSOMATIDAE (PLATYHELMINTHES: DIGENEA) AND AN ASIAN ORIGIN FORSCHISTOSOMA. Journal of Parasitology, 2000, 86, 283-288.	0.7	101
8	Molecular Systematics of the Avian Schistosome Genus Trichobilharzia (Trematoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (Schis	0.7	98
9	Structure of two FREP genes that combine IgSF and fibrinogen domains, with comments on diversity of the FREP gene family in the snail Biomphalaria glabrata. Gene, 2001, 269, 155-165.	2.2	97
10	Differential transcriptomic responses of Biomphalaria glabrata (Gastropoda, Mollusca) to bacteria and metazoan parasites, Schistosoma mansoni and Echinostoma paraensei (Digenea, Platyhelminthes). Molecular Immunology, 2010, 47, 849-860.	2.2	93
11	The FREP gene family in the snail Biomphalaria glabrata: additional members, and evidence consistent with alternative splicing and FREP retrosequences. Developmental and Comparative Immunology, 2003, 27, 175-187.	2.3	85
12	AN APPROACH TO REVEALING BLOOD FLUKE LIFE CYCLES, TAXONOMY, AND DIVERSITY: PROVISION OF KEY REFERENCE DATA INCLUDING DNA SEQUENCE FROM SINGLE LIFE CYCLE STAGES. Journal of Parasitology, 2006, 92, 77-88.	0.7	83
13	Representation of an immune responsive gene family encoding fibrinogen-related proteins in the freshwater mollusc Biomphalaria glabrata, an intermediate host for Schistosoma mansoni. Gene, 2004, 341, 255-266.	2.2	82
14	A Somatically Diversified Defense Factor, FREP3, Is a Determinant of Snail Resistance to Schistosome Infection. PLoS Neglected Tropical Diseases, 2012, 6, e1591.	3.0	80
15	Expression profiling and binding properties of fibrinogen-related proteins (FREPs), plasma proteins from the schistosome snail host Biomphalaria glabrata. Innate Immunity, 2008, 14, 175-189.	2.4	77
16	Parasite-responsive IgSF members in the snail Biomphalaria glabrata : characterization of novel genes with tandemly arranged IgSF domains and a fibrinogen domain. Immunogenetics, 2001, 53, 684-694.	2.4	76
17	In vivo and in vitro knockdown of FREP2 gene expression in the snail Biomphalaria glabrata using RNA interference. Developmental and Comparative Immunology, 2006, 30, 855-866.	2.3	72
18	Review of 2022 WHO guidelines on the control and elimination of schistosomiasis. Lancet Infectious Diseases, The, 2022, 22, e327-e335.	9.1	72

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19	Alterations in Biomphalaria Glabrata plasma Induced by Infection with the Digenetic Trematode Echinostoma paraensei. Journal of Parasitology, 1987, 73, 503.	0.7	70
20	Gastropod Immunobiology. Advances in Experimental Medicine and Biology, 2010, 708, 17-43.	1.6	69
21	Time series analysis of the transcriptional responses of Biomphalaria glabrata throughout the course of intramolluscan development of Schistosoma mansoni and Echinostoma paraensei. International Journal for Parasitology, 2010, 40, 819-831.	3.1	68
22	Differential expression of FREP genes in two strains of Biomphalaria glabrata following exposure to the digenetic trematodes Schistosoma mansoni and Echinostoma paraensei. Developmental and Comparative Immunology, 2005, 29, 295-303.	2.3	67
23	Can Specialized Pathogens Colonize Distantly Related Hosts? Schistosome Evolution as a Case Study. PLoS Pathogens, 2005, 1, e38.	4.7	61
24	MECHANISMS UNDERLYING DIGENEANâ€“SNAIL SPECIFICITY: ROLE OF MIRACIDIAL ATTACHMENT AND HOST PLASMA FACTORS. Journal of Parasitology, 2000, 86, 1012-1019.	0.7	60
25	Phylogeography and genetics of the globally invasive snail Physa acuta Draparnaud 1805, and its potential to serve as an intermediate host to larval digenetic trematodes. BMC Evolutionary Biology, 2018, 18, 103.	3.2	54
26	Loads of trematodes: discovering hidden diversity of paramphistomoids in Kenyan ruminants. Parasitology, 2017, 144, 131-147.	1.5	46
27	Discovery-based studies of schistosome diversity stimulate new hypotheses about parasite biology. Trends in Parasitology, 2013, 29, 449-459.	3.3	45
28	Diversification, dioecy and dimorphism in schistosomes. Trends in Parasitology, 2006, 22, 521-528.	3.3	44
29	No Apparent Reduction in Schistosome Burden or Genetic Diversity Following Four Years of School-Based Mass Drug Administration in Mwea, Central Kenya, a Heavy Transmission Area. PLoS Neglected Tropical Diseases, 2014, 8, e3221.	3.0	44
30	Snail-Related Contributions from the Schistosomiasis Consortium for Operational Research and Evaluation Program Including Xenomonitoring, Focal Molluscicide, Biological Control, and Modeling. American Journal of Tropical Medicine and Hygiene, 2020, 103, 66-79.	1.4	42
31	Field-derived Schistosoma mansoni and Biomphalaria pfeifferi in Kenya: a compatible association characterized by lack of strong local adaptation, and presence of some snails able to persistently produce cercariae for over a year. Parasites and Vectors, 2014, 7, 533.	2.5	36
32	Cercarial Dermatitis Transmitted by Exotic Marine Snail. Emerging Infectious Diseases, 2010, 16, 1357-1365.	4.3	33
33	Macroevolutionary Immunology: A Role for Immunity in the Diversification of Animal life. Frontiers in Immunology, 2012, 3, 25.	4.8	32
34	Pathogen-associated molecular patterns activate expression of genes involved in cell proliferation, immunity and detoxification in the amebocyte-producing organ of the snail Biomphalaria glabrata. Developmental and Comparative Immunology, 2016, 56, 25-36.	2.3	32
35	Humoral response of the snailBiomphalaria glabrata to trematode infection: Observations on a circulating hemagglutinin. The Journal of Experimental Zoology, 1990, 255, 340-349.	1.4	30
36	Transcriptomic responses of Biomphalaria pfeifferi to Schistosoma mansoni: Investigation of a neglected African snail that supports more S. mansoni transmission than any other snail species. PLoS Neglected Tropical Diseases, 2017, 11, e0005984.	3.0	30

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37	The Schistosoma indicum species group in Nepal: presence of a new lineage of schistosome and use of the Indoplanorbis exustus species complex of snail hosts. International Journal for Parasitology, 2015, 45, 857-870.	3.1	29
38	Antagonism between parasites within snail hosts impacts the transmission of human schistosomiasis. ELife, 2019, 8, .	6.0	29
39	Production of Heterogeneous Carbohydrate-Binding Proteins by the Host Snail Biomphalaria glabrata Following Exposure to Echinostoma paraensei and Schistosoma mansoni. Journal of Parasitology, 1993, 79, 416.	0.7	27
40	Schistosomes with wings: how host phylogeny and ecology shape the global distribution of Trichobilharzia querquedulae (Schistosomatidae). International Journal for Parasitology, 2016, 46, 669-677.	3.1	26
41	Altered Gene Expression in the Schistosome-Transmitting Snail Biomphalaria glabrata following Exposure to Niclosamide, the Active Ingredient in the Widely Used Molluscicide Bayluscide. PLoS Neglected Tropical Diseases, 2015, 9, e0004131.	3.0	24
42	Relative compatibility of Schistosoma mansoni with Biomphalaria sudanica and B. pfeifferi from Kenya as assessed by PCR amplification of the S. mansoni ND5 gene in conjunction with traditional methods. Parasites and Vectors, 2016, 9, 166.	2.5	24
43	A new multiplex PCR assay to distinguish among three cryptic Galba species, intermediate hosts of Fasciola hepatica. Veterinary Parasitology, 2018, 251, 101-105.	1.8	24
44	A Search for Snail-Related Answers to Explain Differences in Response of Schistosoma mansoni to Praziquantel Treatment among Responding and Persistent Hotspot Villages along the Kenyan Shore of Lake Victoria. American Journal of Tropical Medicine and Hygiene, 2019, 101, 65-77.	1.4	23
45	Real-Time PCR and Sequencing Assays for Rapid Detection and Identification of Avian Schistosomes in Environmental Samples. Applied and Environmental Microbiology, 2015, 81, 4207-4215.	3.1	22
46	Complete mitochondrial and rDNA complex sequences of important vector species of Biomphalaria, obligatory hosts of the human-infecting blood fluke, Schistosoma mansoni. Scientific Reports, 2018, 8, 7341.	3.3	22
47	<i>Anserobilharzia</i> gen. n. (Digenea, Schistosomatidae) and redescription of <i>A. brantae</i> (Farr & Blankemeyer, 1956) comb. n. (syn. <i>Trichobilharzia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50		
48	The diverse echinostomes from East Africa: With a focus on species that use Biomphalaria and Bulinus as intermediate hosts. Acta Tropica, 2019, 193, 38-49.	2.0	20
49	Genome-wide discovery, and computational and transcriptional characterization of an AIG gene family in the freshwater snail Biomphalaria glabrata, a vector for Schistosoma mansoni. BMC Genomics, 2020, 21, 190.	2.8	19
50	Systematics and geographical distribution of Galba species, a group of cryptic and worldwide freshwater snails. Molecular Phylogenetics and Evolution, 2021, 157, 107035.	2.7	18
51	Two avian schistosome cercariae from Nepal, including a Macrobilharzia-like species from Indoplanorbis exustus. Parasitology International, 2014, 63, 374-380.	1.3	16
52	Phylogenetic Placement of a Schistosome from an Unusual Marine Snail Host, the False Limpet (Siphonaria lessoni) and Gulls (Larus dominicanus) from Argentina with a Brief Review of Marine Schistosomes from Snails. Journal of Parasitology, 2017, 103, 75-82.	0.7	16
53	A Comparison of Kenyan Biomphalaria pfeifferi and B. Sudanica as Vectors for Schistosoma mansoni, Including a Discussion of the Need to Better Understand the Effects of Snail Breeding Systems on Transmission. Journal of Parasitology, 2017, 103, 669-676.	0.7	16
54	Detecting and identifying Schistosoma infections in snails and aquatic habitats: A systematic review. PLoS Neglected Tropical Diseases, 2021, 15, e0009175.	3.0	16

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55	Avian Schistosomes from the South American Endemic Gastropod GenusChilina(Pulmonata:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 101, 565-576.	0.7	13
56	Genomic and transcriptional analysis of genes containing fibrinogen and IgSF domains in the schistosome vector Biomphalaria glabrata, with emphasis on the differential responses of snails susceptible or resistant to Schistosoma mansoni. PLoS Neglected Tropical Diseases, 2020, 14, e0008780.	3.0	13
57	The in vivo transcriptome of Schistosoma mansoni in the prominent vector species Biomphalaria pfeifferi with supporting observations from Biomphalaria glabrata. PLoS Neglected Tropical Diseases, 2019, 13, e0007013.	3.0	12
58	Calcium dynamics of hemocytes of the gastropod Biomphalaria glabrata: effects of digenetic trematodes and selected bioactive compounds. Invertebrate Biology, 2000, 119, 27-37.	0.9	10
59	An Overview of Transcriptional Responses of Schistosome-Susceptible (M line) or -Resistant (BS-90) Biomphalaria glabrata Exposed or Not to Schistosoma mansoni Infection. Frontiers in Immunology, 2021, 12, 805882.	4.8	10
60	New Tools for Old Questions: How Strictly Human Are â€œHuman Schistosomesâ€â€”And Does It Matter?. Journal of Infectious Diseases, 2018, 218, 344-346.	4.0	9
61	Comparative mitogenomics of freshwater snails of the genus Bulinus, obligatory vectors of Schistosoma haematobium, causative agent of human urogenital schistosomiasis. Scientific Reports, 2022, 12, 5357.	3.3	9
62	This De-Wormed World?. Journal of Parasitology, 2013, 99, 933-942.	0.7	8
63	Comparative Vectorial Competence of Biomphalaria sudanica and Biomphalaria choanomphala, Snail Hosts of Schistosoma mansoni, from Transmission Hotspots in Lake Victoria, Western Kenya. Journal of Parasitology, 2021, 107, 349-357.	0.7	8
64	An outbreak of canine schistosomiasis in Utah: Acquisition of a new snail host (Galba humilis) by Heterobilharzia americana, a pathogenic parasite on the move. One Health, 2021, 13, 100280.	3.4	8
65	Scratching the Itch: Updated Perspectives on the Schistosomes Responsible for Swimmerâ€™s Itch around the World. Pathogens, 2022, 11, 587.	2.8	8
66	A genetically distinct Schistosoma from Radix luteola from Nepal related to Schistosoma turkestanicum: A phylogenetic study of schistosome and snail host. Acta Tropica, 2016, 164, 45-53.	2.0	7
67	Modeling schistosomiasis transmission: the importance of snail population structure. Parasites and Vectors, 2021, 14, 94.	2.5	7
68	Schistosoma mansoni Vector Snails in Antigua and Montserrat, with Snail-Related Considerations Pertinent to a Declaration of Elimination of Human Schistosomiasis. American Journal of Tropical Medicine and Hygiene, 2020, 103, 2268-2277.	1.4	7
69	Transcriptional responses of Biomphalaria pfeifferi and Schistosoma mansoniÂfollowing exposure to niclosamide, with evidence for a synergistic effect on snails following exposure to both stressors. PLoS Neglected Tropical Diseases, 2019, 13, e0006927.	3.0	6
70	Host preference of fieldâ€derived Schistosoma mansoni is influenced by snail host compatibility and infection status. Ecosphere, 2022, 13, .	2.2	5
71	Virus-derived sequences from the transcriptomes of two snail vectors of schistosomiasis, Biomphalaria pfeifferi and Bulinus globosus from Kenya. PeerJ, 2021, 9, e12290.	2.0	3
72	Phylogenomics and Diversification of the Schistosomatidae Based on Targeted Sequence Capture of Ultra-Conserved Elements. Pathogens, 2022, 11, 769.	2.8	2

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73	Acceptance of the 2015 Clark P. Read Mentor Award: Mentoringâ€"Perspectives from Both the Mentee and Mentor Sides of the Desk. Journal of Parasitology, 2015, 101, 617-620.	0.7	0