

Timothy P Yoshino

List of Publications by Year in descending order

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100
papers

3,797
citations

76326

40
h-index

149698

56
g-index

101
all docs

101
docs citations

101
times ranked

2080
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene drives for schistosomiasis transmission control. PLoS Neglected Tropical Diseases, 2019, 13, e0007833.	3.0	23
2	Mass Isolation and In Vitro Cultivation of Intramolluscan Stages of the Human Blood Fluke Schistosoma Mansoni. Journal of Visualized Experiments, 2018, . .	0.3	8
3	Proteomic Analysis of Biomphalaria glabrata Hemocytes During in vitro Encapsulation of Schistosoma mansoni Sporocysts. Frontiers in Immunology, 2018, 9, 2773.	4.8	33
4	Sequence and structural variation in the genome of the Biomphalaria glabrata embryonic (Bge) cell line. Parasites and Vectors, 2018, 11, 496.	2.5	9
5	ELISA based on a recombinant Paragonimus heterotremus protein for serodiagnosis of human paragonimiasis in Thailand. Parasites and Vectors, 2018, 11, 322.	2.5	7
6	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. Nature Communications, 2017, 8, 15451.	12.8	216
7	Proteomic analysis of Biomphalaria glabrata plasma proteins with binding affinity to those expressed by early developing larval Schistosoma mansoni. PLoS Pathogens, 2017, 13, e1006081.	4.7	46
8	H ⁺ channels in embryonic Biomphalaria glabrata cell membranes: Putative roles in snail host-schistosome interactions. PLoS Neglected Tropical Diseases, 2017, 11, e0005467.	3.0	5
9	The Biomphalaria glabrata DNA methylation machinery displays spatial tissue expression, is differentially active in distinct snail populations and is modulated by interactions with Schistosoma mansoni. PLoS Neglected Tropical Diseases, 2017, 11, e0005246.	3.0	39
10	The knockdown of each component of the cysteine proteinase-adhesin complex of Entamoeba histolytica (EhCPADH) affects the expression of the other complex element as well as the in vitro and in vivo virulence. Parasitology, 2016, 143, 50-59.	1.5	10
11	Cloning and expression of a 16-kDa recombinant protein from Angiostrongylus cantonensis for use in immunoblot diagnosis of human angiostrongyliasis. Parasitology Research, 2016, 115, 4115-4122.	1.6	3
12	In Vitro Effects of Mucus from the Mantle of Compatible (Lymnaea elodes) and Incompatible (Helisoma) Tj ETQq0 0,0,rgBT /Qverlock 10	0.7	7
13	Excreted/secreted Schistosoma mansoni venom allergen-like 9 (SmVAL9) modulates host extracellular matrix remodelling gene expression. International Journal for Parasitology, 2014, 44, 551-563.	3.1	36
14	In silico analysis of the fucosylation-associated genome of the human blood fluke Schistosoma mansoni: cloning and characterization of the enzymes involved in GDP-L-fucose synthesis and Golgi import. Parasites and Vectors, 2013, 6, 201.	2.5	6
15	Circulating Biomphalaria glabrata hemocyte subpopulations possess shared schistosome glycans and receptors capable of binding larval glycoconjugates. Experimental Parasitology, 2013, 133, 28-36.	1.2	41
16	Molecular and functional characterization of a putative PA28 ^β proteasome activator orthologue in Schistosoma mansoni. Molecular and Biochemical Parasitology, 2013, 189, 14-25.	1.1	3
17	In Silico Analysis of the Fucosylation-Associated Genome of the Human Blood Fluke Schistosoma mansoni: Cloning and Characterization of the Fucosyltransferase Multigene Family. PLoS ONE, 2013, 8, e63299.	2.5	8
18	Will All Scientists Working on Snails and the Diseases They Transmit Please Stand Up?. PLoS Neglected Tropical Diseases, 2012, 6, e1835.	3.0	45

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19	Glycotope Sharing between Snail Hemolymph and Larval Schistosomes: Larval Transformation Products Alter Shared Glycan Patterns of Plasma Proteins. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1569.	3.0	29
20	Cloning and Functional Characterization of Two Calmodulin Genes During Larval Development in the Parasitic Flatworm <i>Schistosoma mansoni</i> . <i>Journal of Parasitology</i> , 2011, 97, 72-81.	0.7	32
21	Immunobiology of <i>Biomphalaria</i> –Trematode Interactions. , 2011, , 159-189.		9
22	<i>In vitro</i> manipulation of gene expression in larval <i>Schistosoma</i> : a model for postgenomic approaches in Trematoda. <i>Parasitology</i> , 2010, 137, 463-483.	1.5	17
23	The identification of inhibitors of <i>Schistosoma mansoni</i> miracidial transformation by incorporating a medium-throughput small-molecule screen. <i>Experimental Parasitology</i> , 2010, 125, 84-94.	1.2	38
24	Application of recombinant SMR-domain containing protein of <i>angiostrongylus cantonensis</i> in immunoblot diagnosis of human angiostrongyliasis. <i>Southeast Asian Journal of Tropical Medicine and Public Health</i> , 2010, 41, 785-99.	1.0	5
25	Phenotypic Screen of Early-Developing Larvae of the Blood Fluke, <i>Schistosoma mansoni</i> , using RNA Interference. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e502.	3.0	75
26	Anti-schistosomal Intervention Targets Identified by Lifecycle Transcriptomic Analyses. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e543.	3.0	116
27	Role of the Endogenous Antioxidant System in the Protection of <i>Schistosoma mansoni</i> Primary Sporocysts against Exogenous Oxidative Stress. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e550.	3.0	62
28	Community diversity reduces <i>Schistosoma mansoni</i> transmission, host pathology and human infection risk. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1657-1663.	2.6	81
29	Proteomic analysis of <i>Schistosoma mansoni</i> proteins released during <i>in vitro</i> miracidium-to-sporocyst transformation. <i>Molecular and Biochemical Parasitology</i> , 2009, 164, 32-44.	1.1	94
30	Developmental expression analysis and immunolocalization of a biogenic amine receptor in <i>Schistosoma mansoni</i> . <i>Experimental Parasitology</i> , 2009, 122, 17-27.	1.2	32
31	Glycotope analysis in miracidia and primary sporocysts of <i>Schistosoma mansoni</i> : Differential expression during the miracidium-to-sporocyst transformation. <i>International Journal for Parasitology</i> , 2009, 39, 1331-1344.	3.1	61
32	Molecular and functional characterization of a tandem-repeat galectin from the freshwater snail <i>Biomphalaria glabrata</i> , intermediate host of the human blood fluke <i>Schistosoma mansoni</i> . <i>Gene</i> , 2008, 411, 46-58.	2.2	71
33	Regulation of hydrogen peroxide release in circulating hemocytes of the planorbid snail <i>Biomphalaria glabrata</i> . <i>Developmental and Comparative Immunology</i> , 2008, 32, 554-562.	2.3	59
34	SURFACE MEMBRANE PROTEINS OF BIOMPHALARIA GLABRATA EMBRYONIC CELLS BIND FUCOSYL DETERMINANTS ON THE TEGUMENTAL SURFACE OF SCHISTOSOMA MANSONI PRIMARY SPOROCCYSTS. <i>Journal of Parasitology</i> , 2007, 93, 832-840.	0.7	20
35	Profiling <i>Schistosoma mansoni</i> development using serial analysis of gene expression (SAGE). <i>Experimental Parasitology</i> , 2007, 117, 246-258.	1.2	57
36	<i>Schistosoma mansoni</i> excretory–secretory products stimulate a p38 signalling pathway in <i>Biomphalaria glabrata</i> embryonic cells. <i>International Journal for Parasitology</i> , 2006, 36, 37-46.	3.1	41

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37	Potential role of a CD36-like class B scavenger receptor in the binding of modified low-density lipoprotein (acLDL) to the tegumental surface of <i>Schistosoma mansoni</i> sporocysts. <i>Molecular and Biochemical Parasitology</i> , 2006, 146, 219-230.	1.1	63
38	<i>Schistosoma mansoni</i> : DNA microarray gene expression profiling during the miracidium-to-mother sporocyst transformation. <i>Molecular and Biochemical Parasitology</i> , 2006, 147, 39-47.	1.1	46
39	SEROTONIN-INDUCED MUSCULAR ACTIVITY IN SCHISTOSOMA MANSONI LARVAL STAGES: IMPORTANCE OF 5-HT TRANSPORT AND ROLE IN DAUGHTER SPOROCT PRODUCTION. <i>Journal of Parasitology</i> , 2005, 91, 542-550.	0.7	27
40	Differential gene expression and the effects of <i>Biomphalaria glabrata</i> embryonic (Bge) cell factors during larval <i>Schistosoma mansoni</i> development. <i>Molecular and Biochemical Parasitology</i> , 2004, 135, 153-157.	1.1	19
41	Gene manipulation in parasitic helminths. <i>International Journal for Parasitology</i> , 2003, 33, 1259-1268.	3.1	40
42	Using RNA interference to manipulate endogenous gene expression in <i>Schistosoma mansoni</i> sporocysts. <i>Molecular and Biochemical Parasitology</i> , 2003, 128, 205-215.	1.1	154
43	Cellular Receptors and Signal Transduction in Molluscan Hemocytes: Connections with the Innate Immune System of Vertebrates. <i>Integrative and Comparative Biology</i> , 2003, 43, 305-312.	2.0	68
44	DIFFERENTIAL EXPRESSION OF LacdiNAc, FUCOSYLATED LacdiNAc, AND LEWIS X GLYCAN ANTIGENS IN INTRAMOLLUSCAN STAGES OF SCHISTOSOMA MANSONI. <i>Journal of Parasitology</i> , 2002, 88, 890-897.	0.7	53
45	Monoamines in the albumen gland, plasma, and central nervous system of the snail <i>Biomphalaria glabrata</i> during egg-laying. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2002, 132, 411-422.	1.8	15
46	Protein kinase C regulation of cell spreading in the molluscan <i>Biomphalaria glabrata</i> embryonic (Bge) cell line. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2001, 1540, 243-252.	4.1	27
47	Larval <i>Schistosoma Mansoni</i> Excretory-Secretory Glycoproteins (ESPs) Bind to Hemocytes of <i>Biomphalaria Glabrata</i> (GASTROPODA) Via Surface Carbohydrate Binding Receptors. <i>Journal of Parasitology</i> , 2001, 87, 786-793.	0.7	42
48	Larval <i>Schistosoma mansoni</i> Excretory-Secretory Glycoproteins (ESPs) Bind to Hemocytes of <i>Biomphalaria glabrata</i> (Gastropoda) via Surface Carbohydrate Binding Receptors. <i>Journal of Parasitology</i> , 2001, 87, 786.	0.7	5
49	Monoamines and their metabolites in the freshwater snail <i>Biomphalaria glabrata</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2000, 125, 469-478.	1.8	24
50	Flukes without Snails: Advances in the in Vitro Cultivation of Intramolluscan Stages of Trematodes. <i>Experimental Parasitology</i> , 2000, 94, 62-66.	1.2	59
51	<i>Schistosoma mansoni</i> : Effects of Serotonin and Serotonin Receptor Antagonists on Motility and Length of Primary Sporocysts in Vitro. <i>Experimental Parasitology</i> , 2000, 94, 217-226.	1.2	44
52	Cloning of a $\beta 2$ integrin subunit cDNA from an embryonic cell line derived from the freshwater mollusc, <i>Biomphalaria glabrata</i> . <i>Gene</i> , 1999, 228, 213-223.	2.2	55
53	Integrin-like RGD-dependent binding mechanism involved in the spreading response of circulating molluscan phagocytes. <i>Developmental and Comparative Immunology</i> , 1998, 22, 39-53.	2.3	61
54	Heat-Shock Response in a Molluscan Cell Line: Characterization of the Response and Cloning of an Inducible HSP70 cDNA. <i>Journal of Invertebrate Pathology</i> , 1997, 70, 226-233.	3.2	33

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55	Isolation and Characterization of Phenoloxidase from Egg Masses of the Gastropod Mollusc, <i>Biomphalaria glabrata</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1997, 118, 463-469.	1.6	34
56	Biogenic monoamines in the freshwater snail, <i>Biomphalaria glabrata</i> : Influence of infection by the human blood fluke, <i>Schistosoma mansoni</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1996, 114, 227-234.	0.6	47
57	Production of <i>Schistosoma mansoni</i> Daughter Sporocysts from Mother Sporocysts Maintained in Synxenic Culture with <i>Biomphalaria glabrata</i> Embryonic (BGE) Cells. <i>Journal of Parasitology</i> , 1995, 81, 714.	0.7	127
58	Surface Membrane Polypeptides Associated with Hemocytes from <i>Schistosoma mansoni</i> -Susceptible and -Resistant Strains of <i>Biomphalaria glabrata</i> (Gastropoda). <i>Journal of Invertebrate Pathology</i> , 1994, 63, 82-89.	3.2	17
59	Proteinase Activity in Miracidia, Transformation Excretory-Secretory Products, and Primary Sporocysts of <i>Schistosoma mansoni</i> . <i>Journal of Parasitology</i> , 1993, 79, 23.	0.7	52
60	Identification of a <i>Schistosoma mansoni</i> sporocyst excretory-secretory antioxidant molecule and its effect on superoxide production by <i>Biomphalaria glabrata</i> hemocytes. <i>Journal of Invertebrate Pathology</i> , 1991, 58, 387-395.	3.2	45
61	<i>Schistosoma mansoni</i> : Influence of infection on levels of translatable mRNA and on polypeptide synthesis in the ovotestis and albumen gland of <i>Biomphalaria glabrata</i> . <i>Experimental Parasitology</i> , 1991, 72, 368-380.	1.2	13
62	Tegumental surface modulation in <i>Schistosoma mansoni</i> primary sporocysts in response to ligand binding. <i>Parasite Immunology</i> , 1991, 13, 121-135.	1.5	10
63	Isolation and functional characterization of snail hemocyte-modulating polypeptide from primary sporocysts of <i>Schistosoma mansoni</i> . <i>Molecular and Biochemical Parasitology</i> , 1991, 49, 1-10.	1.1	41
64	In vitro Effect of Larval <i>Schistosoma mansoni</i> Excretory-Secretory Products on Phagocytosis-Stimulated Superoxide Production in Hemocytes from <i>Biomphalaria glabrata</i> . <i>Journal of Parasitology</i> , 1990, 76, 895.	0.7	64
65	Immunorecognition in the freshwater bivalve, <i>Corbicula fluminea</i> I. Electrophoretic and immunologic analyses of opsonic plasma components. <i>Developmental and Comparative Immunology</i> , 1990, 14, 385-395.	2.3	14
66	Immunorecognition in the freshwater bivalve, <i>Corbicula fluminea</i> II. Isolation and characterization of a plasma opsonin with hemagglutinating activity. <i>Developmental and Comparative Immunology</i> , 1990, 14, 397-404.	2.3	25
67	Determinants of Compatibility in Mollusc-Trematode Parasitism. <i>American Zoologist</i> , 1989, 29, 399-407.	0.7	57
68	<i>Schistosoma mansoni</i> : Effect of infection on reproduction and gonadal growth in <i>Biomphalaria glabrata</i> . <i>Experimental Parasitology</i> , 1989, 68, 326-334.	1.2	74
69	Characterization of Excretory-Secretory Proteins Synthesized In vitro by <i>Schistosoma mansoni</i> Primary Sporocysts. <i>Journal of Parasitology</i> , 1989, 75, 853.	0.7	49
70	<i>Schistosoma mansoni</i> : Relationship between cercarial production levels and snail host susceptibility. <i>Experimental Parasitology</i> , 1988, 66, 78-85.	1.2	26
71	<i>Schistosoma mansoni</i> : Origin and expression of a tegumental surface antigen on the miracidium and primary sporocyst. <i>Experimental Parasitology</i> , 1988, 67, 167-181.	1.2	22
72	Phospholipase C-like activity in phagocytic cells of the asian clam, <i>Corbicula fluminea</i> , and its possible role in cell-mediated cytolytic reactions. <i>Journal of Invertebrate Pathology</i> , 1988, 51, 32-40.	3.2	5

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73	Secretory Protein Biosynthesis in Snail Hemocytes: In vitro Modulation by Larval Schistosome Excretory-Secretory Products. <i>Journal of Parasitology</i> , 1988, 74, 538.	0.7	36
74	Analysis of Tegumental Surface Proteins of <i>Schistosoma mansoni</i> Primary Sporocysts. <i>Journal of Parasitology</i> , 1987, 73, 778.	0.7	18
75	Role of divalent cations in plasma opsonin-dependent and-independent erythrophagocytosis by hemocytes of the Asian clam, <i>Corbicula fluminea</i> . <i>Journal of Invertebrate Pathology</i> , 1987, 50, 310-319.	3.2	15
76	Soluble mediators of cytolytic activity in hemocytes of the asian clam, <i>Corbicula fluminea</i> . <i>Developmental and Comparative Immunology</i> , 1985, 9, 515-522.	2.3	21
77	Surface antigens of <i>Biomphalaria glabrata</i> (Gastropoda) hemocytes: Functional heterogeneity in cell subpopulations recognized by a monoclonal antibody. <i>Journal of Invertebrate Pathology</i> , 1985, 45, 174-186.	3.2	39
78	<i>Biomphalaria glabrata</i> (Gastropoda): Effect of urethane on the morphology and function of hemocytes, and on susceptibility to <i>Schistosoma mansoni</i> (Trematoda). <i>Journal of Invertebrate Pathology</i> , 1985, 45, 324-330.	3.2	8
79	<i>Schistosoma mansoni</i> : Passive transfer of resistance by serum in the vector snail, <i>Biomphalaria glabrata</i> . <i>Experimental Parasitology</i> , 1984, 58, 188-193.	1.2	66
80	Intracellular Distribution of Lysosomal Enzymes within the Hemocytes of <i>Biomphalaria glabrata</i> . <i>Transactions of the American Microscopical Society</i> , 1984, 103, 38.	0.3	5
81	Identification of antigenically distinct hemocyte subpopulations in <i>Biomphalaria glabrata</i> (Gastropoda) using monoclonal antibodies to surface membrane markers. <i>Cell and Tissue Research</i> , 1983, 232, 553-564.	2.9	44
82	Characterization of molluscan phagocyte subpopulations based on lysosomal enzyme markers. <i>The Journal of Experimental Zoology</i> , 1983, 226, 205-210.	1.4	41
83	Lectins and antibodies as molecular probes of molluscan hemocyte surface membranes. <i>Developmental and Comparative Immunology</i> , 1983, 7, 641-644.	2.3	16
84	Surface antigens of <i>Biomphalaria glabrata</i> (Gastropoda) hemocytes: Evidence for linkage-independence of some hemolymph-like surface antigens and Con a receptor-bearing macromolecules. <i>Journal of Invertebrate Pathology</i> , 1983, 42, 8-16.	3.2	7
85	Surface antigens of <i>Biomphalaria glabrata</i> (Gastropoda) hemocytes: Occurrence of membrane-associated hemolymph-like factors antigenically related to snail hemoglobin. <i>Journal of Invertebrate Pathology</i> , 1983, 41, 310-320.	3.2	15
86	Lysosomal Enzyme Activities in Susceptible and Refractory Strains of <i>Biomphalaria glabrata</i> during the Course of Infection with <i>Schistosoma mansoni</i> . <i>Journal of Parasitology</i> , 1983, 69, 1018.	0.7	44
87	Lectin-Induced Modulation Of Snail Hemocyte Surface Determinants: Clearance Of Con A-Receptor Complexes. <i>Developmental and Comparative Immunology</i> , 1982, 6, 451-461.	2.3	15
88	Concanavalin A-induced receptor redistribution on <i>Biomphalaria glabrata</i> hemocytes: Characterization of capping and patching responses. <i>Journal of Invertebrate Pathology</i> , 1981, 38, 102-112.	3.2	11
89	Comparison of concanavalin a-reactive determinants on hemocytes of two <i>Biomphalaria glabrata</i> snail stocks: receptor binding and redistribution. <i>Developmental and Comparative Immunology</i> , 1981, 5, 229-240.	2.3	59
90	Separation of oyster hemocytes by density gradient centrifugation and identification of their surface receptors. <i>Journal of Invertebrate Pathology</i> , 1980, 36, 35-40.	3.2	59

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91	Binding and redistribution of surface membrane receptors for concanavalin A on oyster hemocytes. <i>The Journal of Experimental Zoology</i> , 1979, 207, 439-450.	1.4	31
92	Lectin and Human Blood Group Determinants of <i>Schistosoma mansoni</i> : Alteration Following In vitro Transformation of Miracidium to Mother Sporocyst. <i>Journal of Parasitology</i> , 1977, 63, 818.	0.7	49
93	Aminopeptidase activity in the hemolymph and body tissues of the pulmonate gastropod <i>Biomphalaria glabrata</i> . <i>Journal of Invertebrate Pathology</i> , 1977, 30, 76-79.	3.2	14
94	Lysozymelike activity in the hemolymph of <i>Biomphalaria glabrata</i> challenged with bacteria. <i>Journal of Invertebrate Pathology</i> , 1977, 29, 170-174.	3.2	63
95	Histopathological effects of larval digenea on the digestive epithelia of the marine prosobranch <i>Cerithidea californica</i> : Fine structural changes in the intestine. <i>Journal of Invertebrate Pathology</i> , 1976, 28, 309-313.	3.2	1
96	Lipase activity in the hemolymph of <i>Biomphalaria glabrata</i> (Mollusca) challenged with bacterial lipids. <i>Journal of Invertebrate Pathology</i> , 1976, 28, 143-146.	3.2	28
97	Experimentally induced elevation of aminopeptidase activity in hemolymph cells of the American oyster, <i>Crassostrea virginica</i> . <i>Journal of Invertebrate Pathology</i> , 1976, 27, 367-370.	3.2	34
98	Histopathological effects of larval digenea on the digestive epithelia of the marine prosobranch <i>Cerithidea californica</i> : Fine structural changes in the digestive gland. <i>Journal of Invertebrate Pathology</i> , 1976, 28, 209-216.	3.2	9
99	Lipase activity in the serum and hemolymph cells of the soft-shelled clam, <i>Mya arenaria</i> , during phagocytosis. <i>Journal of Invertebrate Pathology</i> , 1976, 27, 243-245.	3.2	27
100	The Ultrastructure of Circulating Hemolymph Cells of the Marine Snail <i>Cerithidea californica</i> (Gastropoda: Prosobranchiata). <i>Journal of Morphology</i> , 1976, 150, 485-493.	1.2	18