

# 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	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. <i>Nature Communications</i> , 2017, 8, 15451.	12.8	216
2	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
3	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
4	Anti-schistosomal Intervention Targets Identified by Lifecycle Transcriptomic Analyses. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e543.	3.0	116
5	Proteomic analysis of <i>Schistosoma mansoni</i> proteins released during in vitro miracidium-to-sporocyst transformation. <i>Molecular and Biochemical Parasitology</i> , 2009, 164, 32-44.	1.1	94
6	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
7	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
8	<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
9	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
10	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
11	<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
12	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
13	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
14	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
15	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
16	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
17	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
18	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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19	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
20	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
21	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
22	Determinants of Compatibility in Mollusc-Trematode Parasitism. <i>American Zoologist</i> , 1989, 29, 399-407.	0.7	57
23	Profiling <i>Schistosoma mansoni</i> development using serial analysis of gene expression (SAGE). <i>Experimental Parasitology</i> , 2007, 117, 246-258.	1.2	57
24	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
25	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
26	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
27	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
28	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
29	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
30	<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
31	Proteomic analysis of <i>Biomphalaria glabrata</i> plasma proteins with binding affinity to those expressed by early developing larval <i>Schistosoma mansoni</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006081.	4.7	46
32	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
33	Will All Scientists Working on Snails and the Diseases They Transmit Please Stand Up?. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1835.	3.0	45
34	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
35	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
36	<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

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37	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
38	Characterization of molluscan phagocyte subpopulations based on lysosomal enzyme markers. <i>The Journal of Experimental Zoology</i> , 1983, 226, 205-210.	1.4	41
39	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
40	<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
41	Circulating <i>Biomphalaria glabrata</i> hemocyte subpopulations possess shared schistosome glycans and receptors capable of binding larval glycoconjugates. <i>Experimental Parasitology</i> , 2013, 133, 28-36.	1.2	41
42	Gene manipulation in parasitic helminths. <i>International Journal for Parasitology</i> , 2003, 33, 1259-1268.	3.1	40
43	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
44	The <i>Biomphalaria glabrata</i> DNA methylation machinery displays spatial tissue expression, is differentially active in distinct snail populations and is modulated by interactions with <i>Schistosoma mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005246.	3.0	39
45	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
46	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
47	Excreted/secreted <i>Schistosoma mansoni</i> venom allergen-like 9 (SmVAL9) modulates host extracellular matrix remodelling gene expression. <i>International Journal for Parasitology</i> , 2014, 44, 551-563.	3.1	36
48	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
49	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
50	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
51	Proteomic Analysis of <i>Biomphalaria glabrata</i> Hemocytes During in vitro Encapsulation of <i>Schistosoma mansoni</i> Sporocysts. <i>Frontiers in Immunology</i> , 2018, 9, 2773.	4.8	33
52	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
53	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
54	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

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55	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
56	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
57	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
58	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
59	SEROTONIN-INDUCED MUSCULAR ACTIVITY IN SCHISTOSOMA MANSONI LARVAL STAGES: IMPORTANCE OF 5-HT TRANSPORT AND ROLE IN DAUGHTER SPOROCTYST PRODUCTION. <i>Journal of Parasitology</i> , 2005, 91, 542-550.	0.7	27
60	<i>Schistosoma mansoni</i> : Relationship between cercarial production levels and snail host susceptibility. <i>Experimental Parasitology</i> , 1988, 66, 78-85.	1.2	26
61	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
62	Monoamines and their metabolites in the freshwater snail <i>Biomphalaria glabrata</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2000, 125, 469-478.	1.8	24
63	Gene drives for schistosomiasis transmission control. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007833.	3.0	23
64	<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
65	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
66	SURFACE MEMBRANE PROTEINS OF BIOMPHALARIA GLABRATA EMBRYONIC CELLS BIND FUCOSYL DETERMINANTS ON THE TEGUMENTAL SURFACE OF SCHISTOSOMA MANSONI PRIMARY SPOROCTYSTS. <i>Journal of Parasitology</i> , 2007, 93, 832-840.	0.7	20
67	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
68	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
69	Analysis of Tegumental Surface Proteins of <i>Schistosoma mansoni</i> Primary Sporocysts. <i>Journal of Parasitology</i> , 1987, 73, 778.	0.7	18
70	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
71	<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
72	Lectins and antibodies as molecular probes of molluscan hemocyte surface membranes. <i>Developmental and Comparative Immunology</i> , 1983, 7, 641-644.	2.3	16

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73	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
74	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
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	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 &amp; Integrative Physiology</i> , 2002, 132, 411-422.	1.8	15
77	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
78	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
79	<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
80	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
81	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
82	The knockdown of each component of the cysteine proteinase-adhesin complex of <i>Entamoeba histolytica</i> (EhCPADH) affects the expression of the other complex element as well as the <i>in vitro</i> and <i>in vivo</i> virulence. <i>Parasitology</i> , 2016, 143, 50-59.	1.5	10
83	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
84	Immunobiology of <i>Biomphalaria</i> –Trematode Interactions. , 2011, , 159-189.		9
85	Sequence and structural variation in the genome of the <i>Biomphalaria glabrata</i> embryonic (Bge) cell line. <i>Parasites and Vectors</i> , 2018, 11, 496.	2.5	9
86	<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
87	Mass Isolation and <i>In Vitro</i> ; Cultivation of Intramolluscan Stages of the Human Blood Fluke <i>Schistosoma Mansoni</i> . <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	8
88	In Silico Analysis of the Fucosylation-Associated Genome of the Human Blood Fluke <i>Schistosoma mansoni</i> : Cloning and Characterization of the Fucosyltransferase Multigene Family. <i>PLoS ONE</i> , 2013, 8, e63299.	2.5	8
89	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
90	In Vitro Effects of Mucus from the Mantle of Compatible ( <i>Lymnaea elodes</i> ) and Incompatible ( <i>Helisoma</i> ) Tj ETQq0 0,0,rgBT /Qverlock 10	0,7	7

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91	ELISA based on a recombinant <i>Paragonimus heterotremus</i> protein for serodiagnosis of human paragonimiasis in Thailand. <i>Parasites and Vectors</i> , 2018, 11, 322.	2.5	7
92	In silico analysis of the fucosylation-associated genome of the human blood fluke <i>Schistosoma mansoni</i> : cloning and characterization of the enzymes involved in GDP-L-fucose synthesis and Golgi import. <i>Parasites and Vectors</i> , 2013, 6, 201.	2.5	6
93	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
94	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
95	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
96	H <sup>+</sup> channels in embryonic <i>Biomphalaria glabrata</i> cell membranes: Putative roles in snail host-schistosome interactions. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005467.	3.0	5
97	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
98	Molecular and functional characterization of a putative PA28 <sup>β</sup> proteasome activator orthologue in <i>Schistosoma mansoni</i> . <i>Molecular and Biochemical Parasitology</i> , 2013, 189, 14-25.	1.1	3
99	Cloning and expression of a 16-kDa recombinant protein from <i>Angiostrongylus cantonensis</i> for use in immunoblot diagnosis of human angiostrongyliasis. <i>Parasitology Research</i> , 2016, 115, 4115-4122.	1.6	3
100	Histopathological effects of larval digenea on the digestive epithelia of the marine prosbranch <i>Cerithidea californica</i> : Fine structural changes in the intestine. <i>Journal of Invertebrate Pathology</i> , 1976, 28, 309-313.	3.2	1