Rafael Toledo

List of Publications by Year
in descending order

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100 papers	2,513 citations	201674 27 h-index	223800 46 g-index
108 all docs	108 docs citations	108 times ranked	2023 citing authors

#	Article	IF	Citations
1	Extracellular Vesicles from Parasitic Helminths Contain Specific Excretory/Secretory Proteins and Are Internalized in Intestinal Host Cells. PLoS ONE, 2012, 7, e45974.	2.5	300
2	Identification of enolase as a plasminogen-binding protein in excretory-secretory products of Fasciola hepatica. FEBS Letters, 2004, 563, 203-206.	2.8	128
3	Echinostomes as experimental models for interactions between adult parasites and vertebrate hosts. Trends in Parasitology, 2005, 21, 251-254.	3.3	81
4	Immunology and Pathology of Intestinal Trematodes in Their Definitive Hosts. Advances in Parasitology, 2006, 63, 285-365.	3.2	76
5	Th2 and Th1 Responses: Clear and Hidden Sides of Immunity Against Intestinal Helminths. Trends in Parasitology, 2017, 33, 678-693.	3.3	76
6	Strongyloidiasis with Emphasis on Human Infections and Its Different Clinical Forms. Advances in Parasitology, 2015, 88, 165-241.	3.2	75
7	An update on human echinostomiasis. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2016, 110, 37-45.	1.8	71
8	Leucine Aminopeptidase Is an Immunodominant Antigen of Fasciola hepatica Excretory and Secretory Products in Human Infections. Vaccine Journal, 2008, 15, 95-100.	3.1	55
9	Current status of food-borne trematode infections. European Journal of Clinical Microbiology and Infectious Diseases, 2012, 31, 1705-1718.	2.9	54
10	Identification of antigenic proteins from Echinostoma caproni (Trematoda) recognized by mouse immunoglobulins M, A and G using an immunoproteomic approach. Parasite Immunology, 2008, 30, 271-279.	1.5	53
11	Chapter 3 Recent Advances in the Biology of Echinostomes. Advances in Parasitology, 2009, 69, 147-204.	3.2	53
12	Prevalence of intestinal parasites, with emphasis on the molecular epidemiology of Giardia duodenalis and Blastocystis sp., in the ParanaguÃ¡ Bay, Brazil: a community survey. Parasites and Vectors, 2018, 11, 490.	2.5	52
13	The life-cycle of Echinostoma friedi n. sp. (Trematoda: Echinostomatidae) in Spain and a discussion on the relationships within the `revolutum' group based on cercarial chaetotaxy. Systematic Parasitology, 2000, 45, 199-217.	1.1	50
14	Subcutaneous injection of exosomes reduces symptom severity and mortality induced by Echinostoma caproni infection in BALB/c mice. International Journal for Parasitology, 2016, 46, 799-808.	3.1	50
15	The comparative development of Echinostoma caproni (Trematoda: Echinostomatidae) adults in experimentally infected hamsters and rats. Parasitology Research, 2004, 93, 439-44.	1.6	47
16	Identification of proteins in excretory/secretory extracts ofEchinostoma friedi (Trematoda) from chronic and acute infections. Proteomics, 2006, 6, 2835-2843.	2.2	46
17	Excretory/secretory proteome of the adult stage of Echinostoma caproni. Parasitology Research, 2010, 107, 691-697.	1.6	46
18	DEVELOPMENT AND PATHOLOGY OF ECHINOSTOMA CAPRONI IN EXPERIMENTALLY INFECTED MICE. Journal of Parasitology, 2007, 93, 854-859.	0.7	45

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19	Echinostoma caproni: Intestinal pathology in the golden hamster, a highly compatible host, and the Wistar rat, a less compatible host. Experimental Parasitology, 2006, 112, 164-171.	1.2	42
20	Echinostoma caproni: Identification of enolase in excretory/secretory products, molecular cloning, and functional expression. Experimental Parasitology, 2007, 117, 57-64.	1.2	41
21	Proteomics of foodborne trematodes. Journal of Proteomics, 2011, 74, 1485-1503.	2.4	37
22	An experimental study of the reproductive success of Echinostoma friedi (Trematoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (Ech	1.5	36
23	Echinostoma caproni (Trematoda): Differential in vivo cytokine responses in high and low compatible hosts. Experimental Parasitology, 2011, 127, 387-397.	1.2	36
24	Echinostoma caproni: Kinetics of IgM, IgA and IgG subclasses in the serum and intestine of experimentally infected rats and mice. Experimental Parasitology, 2007, 116, 390-398.	1.2	31
25	Proteomic analysis of Strongyloides stercoralis L3 larvae. Parasitology, 2010, 137, 1577-1583.	1.5	30
26	The Transcriptome Analysis of Strongyloides stercoralis L3i Larvae Reveals Targets for Intervention in a Neglected Disease. PLoS Neglected Tropical Diseases, 2012, 6, e1513.	3.0	29
27	Classic Models for New Perspectives: Delving into Helminthâ€“Microbiotaâ€“Immune System Interactions. Trends in Parasitology, 2018, 34, 640-654.	3.3	29
28	Th17 responses in Echinostoma caproni infections in hosts of high and low compatibility. Experimental Parasitology, 2011, 129, 307-311.	1.2	28
29	Larval trematode infections in freshwater gastropods from the Albufera Natural Park in Spain. Journal of Helminthology, 1998, 72, 79-82.	1.0	27
30	KINETICS OF ECHINOSTOMA CAPRONI (TREMATODA: ECHINOSTOMATIDAE) ANTIGENS IN FECES AND SERUM OF EXPERIMENTALLY INFECTED HAMSTERS AND RATS. Journal of Parasitology, 2004, 90, 752-758.	0.7	27
31	Echinostoma caproni (<scp>T</scp>rematoda): differential in vivo mucin expression and glycosylation in highâ€•and lowâ€€compatible hosts. Parasite Immunology, 2015, 37, 32-42.	1.5	27
32	Exploiting Helminthâ€“Host Interactomes through Big Data. Trends in Parasitology, 2017, 33, 875-888.	3.3	27
33	Production and Chronobiology of Emergence of the Cercariae of Euparyphium albuferensis (Trematoda: Echinostomatidae). Journal of Parasitology, 1999, 85, 263.	0.7	26
34	DEVELOPMENT OF AN ANTIBODY-BASED CAPTURE ENZYME-LINKED IMMUNOSORBENT ASSAY FOR DETECTING ECHINOSTOMA CAPRONI (TREMATODA) IN EXPERIMENTALLY INFECTED RATS: KINETICS OF COPROANTIGEN EXCRETION. Journal of Parasitology, 2003, 89, 1227-1231.	0.7	26
35	Life-cycle of Euparyphium albuferensis n. sp. (Trematoda: Echinostomatidae) from rats in Spain. Systematic Parasitology, 1997, 38, 211-219.	1.1	25
36	Kinetics of Antibodies and Antigens in Serum of Mice Experimentally Infected with Echinostoma caproni (Trematoda: Echinostomatidae). Journal of Parasitology, 2005, 91, 978-980.	0.7	25

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37	The use of echinostomes to study hostâ€“parasite relationships between larval trematodes and invertebrate and cold-blooded vertebrate hosts. Parasitology Research, 2007, 100, 1177-1185.	1.6	25
38	Intestinal Trematode Infections. Advances in Experimental Medicine and Biology, 2014, 766, 201-240.	1.6	25
39	Altered Protein Expression in the Ileum of Mice Associated with the Development of Chronic Infections with Echinostoma caproni (Trematoda). PLoS Neglected Tropical Diseases, 2015, 9, e0004082.	3.0	22
40	Prevalence and risk factors related to intestinal parasites among children in Department of Rio San Juan, Nicaragua. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2014, 108, 774-782.	1.8	21
41	Human infection by a â€œfish tapewormâ€, Diphyllobothrium latum, in a non-endemic country. Infection, 2014, 42, 191-194.	4.7	21
42	Miracidial infectivity of Hypoderaeum conoideum (Trematoda: Echinostomatidae): differential susceptibility of two lymnaeid species. Parasitology Research, 1999, 85, 212-215.	1.6	20
43	Antibody trapping: A novel mechanism of parasite immune evasion by the trematode Echinostoma caproni. PLoS Neglected Tropical Diseases, 2017, 11, e0005773.	3.0	20
44	Molecular cloning and characterization ofEchinostoma caproniheat shock protein-70 and differential expression in the parasite derived from low- and high-compatible hosts. Parasitology, 2008, 135, 1469-1477.	1.5	19
45	The transcriptome of Echinostoma caproni adults: Further characterization of the secretome and identification of new potential drug targets. Journal of Proteomics, 2013, 89, 202-214.	2.4	19
46	Differential alterations in the small intestine epithelial cell turnover during acute and chronic infection with Echinostoma caproni (Trematoda). Parasites and Vectors, 2015, 8, 334.	2.5	19
47	Effect of Echinostoma friedi (Trematoda: Echinostomatidae) experimental infection on longevity, growth and fecundity of juvenile Radix peregra (Gastropoda: Lymnaeidae) and Biomphalaria glabrata (Gastropoda: Planorbidae) snails. Parasitology Research, 2007, 101, 1663-1670.	1.6	15
48	Interleukin-25 Induces Resistance Against Intestinal Trematodes. Scientific Reports, 2016, 6, 34142.	3.3	15
49	Intestinal Trematode Infections. Advances in Experimental Medicine and Biology, 2019, 1154, 181-213.	1.6	14
50	Diagnosis of Human Trematode Infections. Advances in Experimental Medicine and Biology, 2014, 766, 293-327.	1.6	14
51	Cercarial chaetotaxy of Euparyphium albuferensis Esteban et al., 1997 (Trematoda: Echinostomatidae), with a review of some genera of the Echinostomatinae. Systematic Parasitology, 1998, 39, 35-44.	1.1	13
52	Interactions related to non-host snails in the host-finding process of Euparyphium albuferensis and Echinostoma friedi (Trematoda: Echinostomatidae) miracidia. Parasitology Research, 2003, 91, 353-356.	1.6	13
53	Criteria for Species Determination in the â€˜Revolutumâ€™ Group of Echinostoma. Journal of Parasitology, 2004, 90, 917-917.	0.7	13
54	Immunological Characterization of Somatic and Excretoryâ€“Secretory Antigens of Echinostoma caproni (Trematoda: Echinostomatidae) in Experimentally Infected Rats. Comparative Parasitology, 2004, 71, 42-48.	0.4	13

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55	A QUANTITATIVE APPROACH TO THE EXPERIMENTAL TRANSMISSION SUCCESS OF ECHINOSTOMA FRIEDI (TREMATODA: ECHINOSTOMATIDAE) IN RATS. Journal of Parasitology, 2006, 92, 16-20.	0.7	13
56	Echinostoma friedi: the effect of age of adult worms on the infectivity of miracidia. Journal of Helminthology, 2004, 78, 91-93.	1.0	12
57	Screening trematodes for novel intervention targets: a proteomic and immunological comparison of Schistosoma haematobium, Schistosoma bovis and Echinostoma caproni. Parasitology, 2011, 138, 1607-1619.	1.5	12
58	Protective immunity against Echinostoma caproni in rats is induced by Syphacia muris infection. International Journal for Parasitology, 2013, 43, 453-463.	3.1	12
59	Echinostoma caproni: Differential tegumental responses to growth in compatible and less compatible hosts. Experimental Parasitology, 2010, 125, 304-309.	1.2	11
60	Differential expression and glycosylation of proteins in the rat ileal epithelium in response to Echinostoma caproni infection. Journal of Proteomics, 2014, 101, 169-178.	2.4	11
61	The effect of glycosylation of antigens on the antibody responses againstEchinostoma caproni(Trematoda: Echinostomatidae). Parasitology, 2014, 141, 1333-1340.	1.5	11
62	Definitive host influences the proteomic profile of excretory/secretory products of the trematode Echinostoma caproni. Parasites and Vectors, 2016, 9, 185.	2.5	10
63	Proteomic analysis of the pinworm Syphacia muris (Nematoda: Oxyuridae), a parasite of laboratory rats. Parasitology International, 2012, 61, 561-564.	1.3	9
64	Intestinal IFN-Î³ production is associated with protection from clinical signs, but not with elimination of worms, in Echinostoma caproni infected-mice. Parasitology Research, 2014, 113, 2037-2045.	1.6	9
65	Diagnosis of Human Trematode Infections. Advances in Experimental Medicine and Biology, 2019, 1154, 437-471.	1.6	9
66	Reduced prevalence of soil-transmitted helminths and high frequency of protozoan infections in the surrounding urban area of Curitiba, ParanÃ¡, Brazil. Parasite Epidemiology and Control, 2019, 7, e00115.	1.8	9
67	History of echinostomes (Trematoda). Acta Parasitologica, 2014, 59, 555-67.	1.1	8
68	Hookworm-like eggs in childrenâ€™s faecal samples from a rural area of Rwanda. African Health Sciences, 2016, 16, 83.	0.7	8
69	Effects of dietary intake of garlic on intestinal trematodes. Parasitology Research, 2017, 116, 2119-2129.	1.6	8
70	Intestinal symptoms and Blastocystis load in schoolchildren of ParanaguÃ¡ Bay, ParanÃ¡, Brazil. Revista Do Instituto De Medicina Tropical De Sao Paulo, 2017, 59, e86.	1.1	8
71	Euparyphium albuferensis and Echinostoma friedi (Trematoda: Echinostomatidae): experimental cercarial transmission success in sympatric snail communities. Folia Parasitologica, 2008, 55, 122-126.	1.3	8
72	Soil-Transmitted Helminth Infections and Anemia in Schoolchildren from Corn Island Archipelago (RAAS, Nicaragua). American Journal of Tropical Medicine and Hygiene, 2018, 99, 1591-1597.	1.4	8

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73	Specific tyrosine phosphorylation in response to bile in Fasciola hepatica and Echinostoma friedi. Experimental Parasitology, 2004, 106, 56-58.	1.2	7
74	Resistance against Echinostoma caproni (Trematoda) secondary infections in mice is not dependent on the ileal protein production. Journal of Proteomics, 2016, 140, 37-47.	2.4	7
75	Partial resistance to homologous challenge infections of the digenean Echinostoma caproni in ICR mice. Journal of Helminthology, 2016, 90, 428-433.	1.0	7
76	Enteroparasites in Preschool Children on the Pacific Region of Nicaragua. American Journal of Tropical Medicine and Hygiene, 2018, 98, 570-575.	1.4	7
77	Sympatric and allopatric experimental infections of the planorbid snailGyraulus chinensiswith miracidia ofEuparyphium albuferensis(Trematoda: Echinostomatidae). Journal of Helminthology, 2010, 84, 420-424.	1.0	6
78	Effects of Nonschistosome Larval Trematodes on Biomphalaria Snails. , 2011, , 127-157.		6
79	Soil-transmitted Helminth Infections in Schoolchildren of Laguna de Perlas (Nicaragua). Journal of Tropical Pediatrics, 2016, 63, fmw061.	1.5	6
80	Secreted cathepsin L-like peptidases are involved in the degradation of trapped antibodies on the surface of Echinostoma caproni. Parasitology Research, 2019, 118, 3377-3386.	1.6	6
81	Redescription ofPhysaloptera brevivaginata Seurat, 1917 (Nematoda: Physalopteridae) from the batMyotis blythii (Tomes) (Chiroptera: Vespertilionidae) in Spain. Systematic Parasitology, 1995, 32, 107-112.	1.1	5
82	Interleukin-25-mediated resistance against intestinal trematodes does not depend on the generation of Th2 responses. Parasites and Vectors, 2020, 13, 608.	2.5	5
83	Echinostomes in the definitive host: a model for the study of host-parasite relationships.. , 2009, , 89-109.		5
84	An Autochthonous Human Case of Fasciolopsiasis in Nepal. Korean Journal of Parasitology, 2019, 57, 295-298.	1.3	5
85	Neglected food-borne trematodiases: echinostomiasis and gastrodiscoidiasis. Parasitology, 2022, 149, 1319-1326.	1.5	5
86	Immunology and pathology of echinostome infections in the definitive host.. , 2009, , 185-206.		4
87	Zygocotyle lunata: Proteomic analysis of the adult stage. Experimental Parasitology, 2011, 128, 133-137.	1.2	4
88	Adaptation of the secretome of Echinostoma caproni may contribute to parasite survival in a Th1 milieu. Parasitology Research, 2018, 117, 947-957.	1.6	4
89	Reinvestigation of the sperm ultrastructure of Hypoderaeum conoideum (Digenea: Echinostomatidae). Parasitology Research, 2018, 117, 3725-3732.	1.6	4
90	Ileal proteomic changes associated with IL-25-mediated resistance against intestinal trematode infections. Parasites and Vectors, 2020, 13, 336.	2.5	3

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91	Trematoda (flukes). Emerging Topics in Life Sciences, 2017, 1, 651-657.	2.6	2
92	A case report of human gastrodiscoidiasis in Nepal. Parasitology International, 2019, 71, 56-58.	1.3	2
93	High intestinal parasite infection detected in children from RegiÃ³n AutÃ³noma AtlÃ¡ntico Norte (R.A.A.N.) of Nicaragua. Scientific Reports, 2022, 12, 5872.	3.3	2
94	Analysis of the Tegument ofZygocotyle lunata(Trematoda: Paramphistomidae) Adults by Scanning Electron Microscopy. Journal of Parasitology, 2012, 98, 1287-1290.	0.7	1
95	Cellular immune responses in Echinostoma caproni experimentally infected mice. Parasitology Research, 2012, 110, 1033-1036.	1.6	1
96	Haematological changes in the laboratory rat Rattus norvegicus infected with Echinostoma caproni (Trematoda: Echinostomatidae). Journal of Helminthology, 2015, 89, 636-640.	1.0	1
97	Teniasis en una niÃ±a espaÃ±ola. GastroenterologÃa Y HepatologÃa, 2017, 40, 626-628.	0.5	1
98	The influence of adult worm age and definitive host on the transmission of Echinostoma caproni: egg hatchability and miracidial infectivity. Journal of Helminthology, 2013, 87, 42-45.	1.0	0
99	Non-related contact lens coinfection with Acanthamoeba and Fusarium. Asian Pacific Journal of Tropical Medicine, 2019, 12, 479.	0.8	0
100	Anemia and undernutrition in intestinally parasitized schoolchildren from Gakenke district, Northern Province of Rwanda. PLoS ONE, 2022, 17, e0262361.	2.5	0