

# Javier Sotillo

## List of Publications by Year in descending order

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93  
papers

10,181  
citations

196777

29  
h-index

46524

93  
g-index

103  
all docs

103  
docs citations

103  
times ranked

15585  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic identification of the contents of small extracellular vesicles from in vivo <i>Plasmodium yoelii</i> infection. <i>International Journal for Parasitology</i> , 2022, 52, 35-45.	1.3	6
2	Insights into the functional expansion of the astacin peptidase family in parasitic helminths. <i>International Journal for Parasitology</i> , 2022, 52, 243-251.	1.3	5
3	Characterisation of tetraspanins from <i>Schistosoma haematobium</i> and evaluation of their potential as novel diagnostic markers. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010151.	1.3	5
4	Silencing of <i>Opisthorchis viverrini</i> Tetraspanin Gene Expression Results in Reduced Secretion of Extracellular Vesicles. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 827521.	1.8	10
5	Transgenesis in parasitic helminths: a brief history and prospects for the future. <i>Parasites and Vectors</i> , 2022, 15, 110.	1.0	12
6	IL-4 receptors on IL-4 activated macrophages are required for hookworm larvae recognition and trapping. <i>Immunology and Cell Biology</i> , 2022, 100, 223-234.	1.0	5
7	MS-Based Extracellular Vesicle (EVs) Analysis: An Application to Helminth-Secreted EVs. <i>Methods in Molecular Biology</i> , 2022, 2420, 11-20.	0.4	1
8	Administration of Hookworm Excretory/Secretory Proteins Improves Glucose Tolerance in a Mouse Model of Type 2 Diabetes. <i>Biomolecules</i> , 2022, 12, 637.	1.8	6
9	Foodborne trematodes: old foes, new kids on the block and research perspectives for control and understanding host-parasite interactions. <i>Parasitology</i> , 2022, 149, 1257-1261.	0.7	4
10	Proteomic approaches to drive advances in helminth extracellular vesicle research. <i>Molecular Immunology</i> , 2021, 131, 1-5.	1.0	8
11	Rodent Models for the Study of Soil-Transmitted Helminths: A Proteomics Approach. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 639573.	1.8	10
12	Immunomics-Guided Antigen Discovery for Praziquantel-Induced Vaccination in Urogenital Human Schistosomiasis. <i>Frontiers in Immunology</i> , 2021, 12, 663041.	2.2	3
13	Recognition Pattern of the <i>Fasciola hepatica</i> Excretome/Secretome during the Course of an Experimental Infection in Sheep by 2D Immunoproteomics. <i>Pathogens</i> , 2021, 10, 725.	1.2	10
14	Gut-microbiota-derived extracellular vesicles: Overlooked mediators in host-helminth interactions?. <i>Trends in Parasitology</i> , 2021, 37, 690-693.	1.5	5
15	Immunomics-guided discovery of serum and urine antibodies for diagnosing urogenital schistosomiasis: a biomarker identification study. <i>Lancet Microbe</i> , The, 2021, 2, e617-e626.	3.4	14
16	Recent advances on the immunobiology of <i>Bithynia</i> spp. hosts of <i>Opisthorchis viverrini</i> . <i>Developmental and Comparative Immunology</i> , 2020, 102, 103460.	1.0	2
17	The protein and microRNA cargo of extracellular vesicles from parasitic helminths – current status and research priorities. <i>International Journal for Parasitology</i> , 2020, 50, 635-645.	1.3	73
18	<i>Schistosoma haematobium</i> Extracellular Vesicle Proteins Confer Protection in a Heterologous Model of Schistosomiasis. <i>Vaccines</i> , 2020, 8, 416.	2.1	27

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19	Comprehensive analysis of the secreted proteome of adult <i>Necator americanus</i> hookworms. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008237.	1.3	25
20	Uptake of <i>Schistosoma mansoni</i> extracellular vesicles by human endothelial and monocytic cell lines and impact on vascular endothelial cell gene expression. <i>International Journal for Parasitology</i> , 2020, 50, 685-696.	1.3	27
21	Hookworms Evade Host Immunity by Secreting a Deoxyribonuclease to Degrade Neutrophil Extracellular Traps. <i>Cell Host and Microbe</i> , 2020, 27, 277-289.e6.	5.1	53
22	Proteomic analysis of two populations of <i>Schistosoma mansoni</i> -derived extracellular vesicles: 15k pellet and 120k pellet vesicles. <i>Molecular and Biochemical Parasitology</i> , 2020, 236, 111264.	0.5	42
23	Set up of an in vitro model to study early host-parasite interactions between newly excysted juveniles of <i>Fasciola hepatica</i> and host intestinal cells using a quantitative proteomics approach. <i>Veterinary Parasitology</i> , 2020, 278, 109028.	0.7	10
24	Partial protection with a chimeric tetraspanin-leucine aminopeptidase subunit vaccine against <i>Opisthorchis viverrini</i> infection in hamsters. <i>Acta Tropica</i> , 2020, 204, 105355.	0.9	7
25	Liver fluke granulin promotes extracellular vesicle-mediated crosstalk and cellular microenvironment conducive to cholangiocarcinoma. <i>Neoplasia</i> , 2020, 22, 203-216.	2.3	18
26	Gastrointestinal Helminth Infection Improves Insulin Sensitivity, Decreases Systemic Inflammation, and Alters the Composition of Gut Microbiota in Distinct Mouse Models of Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2020, 11, 606530.	1.5	17
27	Proteomic Analysis of <i>Schistosoma mansoni</i> Tegumental Proteins. <i>Methods in Molecular Biology</i> , 2020, 2151, 85-92.	0.4	5
28	Vaccination of hamsters with <i>Opisthorchis viverrini</i> extracellular vesicles and vesicle-derived recombinant tetraspanins induces antibodies that block vesicle uptake by cholangiocytes and reduce parasite burden after challenge infection. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007450.	1.3	43
29	Trematode Genomics and Proteomics. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1154, 411-436.	0.8	4
30	In-depth proteomic characterization of <i>Schistosoma haematobium</i> : Towards the development of new tools for elimination. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007362.	1.3	31
31	Novel cholinesterase paralogs of <i>Schistosoma mansoni</i> have perceived roles in cholinergic signalling and drug detoxification and are essential for parasite survival. <i>PLoS Pathogens</i> , 2019, 15, e1008213.	2.1	6
32	Recombinant <i>Opisthorchis viverrini</i> tetraspanin expressed in <i>Pichia pastoris</i> as a potential vaccine candidate for opisthorchiasis. <i>Parasitology Research</i> , 2019, 118, 3419-3427.	0.6	16
33	Programmed knockout mutation of liver fluke granulin attenuates virulence of infection-induced hepatobiliary morbidity. <i>ELife</i> , 2019, 8, .	2.8	61
34	The NLRP3 Inflammasome Suppresses Protective Immunity to Gastrointestinal Helminth Infection. <i>Cell Reports</i> , 2018, 23, 1085-1098.	2.9	48
35	Adaptation of the secretome of <i>Echinostoma caproni</i> may contribute to parasite survival in a Th1 milieu. <i>Parasitology Research</i> , 2018, 117, 947-957.	0.6	4
36	Extracellular vesicles from parasitic helminths and their potential utility as vaccines. <i>Expert Review of Vaccines</i> , 2018, 17, 197-205.	2.0	40

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37	Characterization of <i>Trichuris muris</i> secreted proteins and extracellular vesicles provides new insights into host-parasite communication. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1428004.	5.5	127
38	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1535750.	5.5	6,961
39	Structural Variants of a Liver Fluke Derived Granulin Peptide Potently Stimulate Wound Healing. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8746-8753.	2.9	17
40	Immunobiology of parasitic worm extracellular vesicles. <i>Immunology and Cell Biology</i> , 2018, 96, 704-713.	1.0	68
41	Hookworm Secreted Extracellular Vesicles Interact With Host Cells and Prevent Inducible Colitis in Mice. <i>Frontiers in Immunology</i> , 2018, 9, 850.	2.2	159
42	<i>Opisthorchis viverrini</i> Proteome and Host-Parasite Interactions. <i>Advances in Parasitology</i> , 2018, 102, 45-72.	1.4	30
43	Polypyridylruthenium(II) complexes exert in vitro and in vivo nematocidal activity and show significant inhibition of parasite acetylcholinesterases. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 1-7.	1.4	12
44	Proteomic characterization of the internalization of <i>Opisthorchis viverrini</i> excretory/secretory products in human cells. <i>Parasitology International</i> , 2017, 66, 494-502.	0.6	18
45	Changes in protein expression after treatment with <i>Ancylostoma caninum</i> excretory/secretory products in a mouse model of colitis. <i>Scientific Reports</i> , 2017, 7, 41883.	1.6	8
46	Development of a Potent Wound Healing Agent Based on the Liver Fluke Granulin Structural Fold. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4258-4266.	2.9	31
47	Effects of dietary intake of garlic on intestinal trematodes. <i>Parasitology Research</i> , 2017, 116, 2119-2129.	0.6	8
48	Recent advances in proteomic applications for schistosomiasis research: potential clinical impact. <i>Expert Review of Proteomics</i> , 2017, 14, 171-183.	1.3	14
49	Suppression of mRNAs encoding CD63 family tetraspanins from the carcinogenic liver fluke <i>Opisthorchis viverrini</i> results in distinct tegument phenotypes. <i>Scientific Reports</i> , 2017, 7, 14342.	1.6	36
50	Revisiting the <i>Ancylostoma Caninum</i> Secretome Provides New Information on Hookworm-Host Interactions. <i>Proteomics</i> , 2017, 17, 1700186.	1.3	25
51	Exploiting Helminth-Host Interactomes through Big Data. <i>Trends in Parasitology</i> , 2017, 33, 875-888.	1.5	27
52	The Venom of the Spine-Bellied Sea Snake ( <i>Hydrophis curtus</i> ): Proteome, Toxin Diversity and Intraspecific Variation. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2695.	1.8	17
53	Extracellular vesicles as a target for the development of anti-helminth vaccines. <i>Emerging Topics in Life Sciences</i> , 2017, 1, 659-665.	1.1	12
54	Antibody trapping: A novel mechanism of parasite immune evasion by the trematode <i>Echinostoma caproni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005773.	1.3	20

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55	Compounds Derived from the Bhutanese Daisy, <i>Ajania nubigena</i> , Demonstrate Dual Anthelmintic Activity against <i>Schistosoma mansoni</i> and <i>Trichuris muris</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004908.	1.3	49
56	Resistance against <i>Echinostoma caproni</i> (Trematoda) secondary infections in mice is not dependent on the ileal protein production. <i>Journal of Proteomics</i> , 2016, 140, 37-47.	1.2	7
57	Interleukin-25 Induces Resistance Against Intestinal Trematodes. <i>Scientific Reports</i> , 2016, 6, 34142.	1.6	15
58	Definitive host influences the proteomic profile of excretory/secretory products of the trematode <i>Echinostoma caproni</i> . <i>Parasites and Vectors</i> , 2016, 9, 185.	1.0	10
59	Extracellular vesicles secreted by <i>Schistosoma mansoni</i> contain protein vaccine candidates. <i>International Journal for Parasitology</i> , 2016, 46, 1-5.	1.3	147
60	Differential Protein Expression in the Hemolymph of <i>Bithynia siamensis goniomphalos</i> Infected with <i>Opisthorchis viverrini</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005104.	1.3	12
61	Experimental hookworm infection and escalating gluten challenges are associated with increased microbial richness in celiac subjects. <i>Scientific Reports</i> , 2015, 5, 13797.	1.6	86
62	Altered Protein Expression in the Ileum of Mice Associated with the Development of Chronic Infections with <i>Echinostoma caproni</i> (Trematoda). <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004082.	1.3	22
63	Excretory/secretory products of the carcinogenic liver fluke are endocytosed by human cholangiocytes and drive cell proliferation and IL6 production. <i>International Journal for Parasitology</i> , 2015, 45, 773-781.	1.3	42
64	Proteomic profile of <i>Bithynia siamensis goniomphalos</i> snails upon infection with the carcinogenic liver fluke <i>Opisthorchis viverrini</i> . <i>Journal of Proteomics</i> , 2015, 113, 281-291.	1.2	17
65	A quantitative proteomic analysis of the tegumental proteins from <i>Schistosoma mansoni</i> schistosomula reveals novel potential therapeutic targets. <i>International Journal for Parasitology</i> , 2015, 45, 505-516.	1.3	103
66	<i>Echinostoma caproni</i> (Trematoda): differential <i>in vivo</i> mucin expression and glycosylation in high and low compatible hosts. <i>Parasite Immunology</i> , 2015, 37, 32-42.	0.7	27
67	Carcinogenic Liver Fluke Secretes Extracellular Vesicles That Promote Cholangiocytes to Adopt a Tumorigenic Phenotype. <i>Journal of Infectious Diseases</i> , 2015, 212, 1636-1645.	1.9	141
68	Data set from the proteomic analysis of <i>Bithynia siamensis goniomphalos</i> snails upon infection with the carcinogenic liver fluke <i>Opisthorchis viverrini</i> . <i>Data in Brief</i> , 2015, 2, 16-20.	0.5	6
69	Carcinogenic Parasite Secretes Growth Factor That Accelerates Wound Healing and Potentially Promotes Neoplasia. <i>PLoS Pathogens</i> , 2015, 11, e1005209.	2.1	78
70	RNA-Seq Reveals Infection-Induced Gene Expression Changes in the Snail Intermediate Host of the Carcinogenic Liver Fluke, <i>Opisthorchis viverrini</i> . <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2765.	1.3	14
71	Secreted Proteomes of Different Developmental Stages of the Gastrointestinal Nematode <i>Nippostrongylus brasiliensis</i> . <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2736-2751.	2.5	88
72	Genome of the human hookworm <i>Necator americanus</i> . <i>Nature Genetics</i> , 2014, 46, 261-269.	9.4	166

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73	Impact of Experimental Hookworm Infection on the Human Gut Microbiota. <i>Journal of Infectious Diseases</i> , 2014, 210, 1431-1434.	1.9	153
74	Intestinal IFN- $\gamma$ production is associated with protection from clinical signs, but not with elimination of worms, in <i>Echinostoma caproni</i> infected-mice. <i>Parasitology Research</i> , 2014, 113, 2037-2045.	0.6	9
75	Differential expression and glycosylation of proteins in the rat ileal epithelium in response to <i>Echinostoma caproni</i> infection. <i>Journal of Proteomics</i> , 2014, 101, 169-178.	1.2	11
76	The effect of glycosylation of antigens on the antibody responses against <i>Echinostoma caproni</i> (Trematoda: Echinostomatidae). <i>Parasitology</i> , 2014, 141, 1333-1340.	0.7	11
77	Coming out of the Shell: Building the Molecular Infrastructure for Research on Parasite-Harboring Snails. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2284.	1.3	15
78	The Transcriptome Analysis of <i>Strongyloides stercoralis</i> L3i Larvae Reveals Targets for Intervention in a Neglected Disease. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1513.	1.3	29
79	Analysis of the Tegument of <i>Zygodontia solitaria</i> (Trematoda: Paramphistomidae) Adults by Scanning Electron Microscopy. <i>Journal of Parasitology</i> , 2012, 98, 1287-1290.	0.3	1
80	Proteomic analysis of the pinworm <i>Syphacia muris</i> (Nematoda: Oxyuridae), a parasite of laboratory rats. <i>Parasitology International</i> , 2012, 61, 561-564.	0.6	9
81	Cellular immune responses in <i>Echinostoma caproni</i> experimentally infected mice. <i>Parasitology Research</i> , 2012, 110, 1033-1036.	0.6	1
82	Extracellular Vesicles from Parasitic Helminths Contain Specific Excretory/Secretory Proteins and Are Internalized in Intestinal Host Cells. <i>PLoS ONE</i> , 2012, 7, e45974.	1.1	300
83	<i>Echinostoma caproni</i> (Trematoda): Differential in vivo cytokine responses in high and low compatible hosts. <i>Experimental Parasitology</i> , 2011, 127, 387-397.	0.5	36
84	<i>Zygodontia solitaria</i> : Proteomic analysis of the adult stage. <i>Experimental Parasitology</i> , 2011, 128, 133-137.	0.5	4
85	Th17 responses in <i>Echinostoma caproni</i> infections in hosts of high and low compatibility. <i>Experimental Parasitology</i> , 2011, 129, 307-311.	0.5	28
86	Excretory/secretory proteome of the adult stage of <i>Echinostoma caproni</i> . <i>Parasitology Research</i> , 2010, 107, 691-697.	0.6	46
87	<i>Echinostoma caproni</i> : Differential tegumental responses to growth in compatible and less compatible hosts. <i>Experimental Parasitology</i> , 2010, 125, 304-309.	0.5	11
88	Proteomic analysis of <i>Strongyloides stercoralis</i> L3 larvae. <i>Parasitology</i> , 2010, 137, 1577-1583.	0.7	30
89	Identification of antigenic proteins from <i>Echinostoma caproni</i> (Trematoda) recognized by mouse immunoglobulins M, A and G using an immunoproteomic approach. <i>Parasite Immunology</i> , 2008, 30, 271-279.	0.7	53
90	Leucine Aminopeptidase Is an Immunodominant Antigen of <i>Fasciola hepatica</i> Excretory and Secretory Products in Human Infections. <i>Vaccine Journal</i> , 2008, 15, 95-100.	3.2	55

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91	DEVELOPMENT AND PATHOLOGY OF ECHINOSTOMA CAPRONI IN EXPERIMENTALLY INFECTED MICE. Journal of Parasitology, 2007, 93, 854-859.	0.3	45
92	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.	0.5	31
93	A QUANTITATIVE APPROACH TO THE EXPERIMENTAL TRANSMISSION SUCCESS OF ECHINOSTOMA FRIEDI (TREMATODA: ECHINOSTOMATIDAE) IN RATS. Journal of Parasitology, 2006, 92, 16-20.	0.3	13