

# Pengfei Cai

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,824  
citations

257450

24  
h-index

289244

40  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1840  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Fight Against Severe COVID-19: Can Parasitic Worms Contribute?. <i>Frontiers in Immunology</i> , 2022, 13, 849465.	4.8	3
2	Potential of the CRISPR-Cas system for improved parasite diagnosis. <i>BioEssays</i> , 2022, 44, e2100286.	2.5	6
3	Characterization of MicroRNA Cargo of Extracellular Vesicles Isolated From the Plasma of <i>Schistosoma japonicum</i> -Infected Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 803242.	3.9	4
4	Novel Hepatic Schistosomula Antigens as Promising Targets for Immunodiagnosis and Immunoprotection of <i>Schistosomiasis japonica</i> . <i>Journal of Infectious Diseases</i> , 2022, 225, 1991-2001.	4.0	4
5	Identification of a linear B-cell epitope on the <i>Schistosoma japonicum</i> saposin protein, SjSAP4: Potential as a component of a multi-epitope diagnostic assay. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010619.	3.0	8
6	Schistosome Infection and Schistosome-Derived Products as Modulators for the Prevention and Alleviation of Immunological Disorders. <i>Frontiers in Immunology</i> , 2021, 12, 619776.	4.8	12
7	Parasitic Helminth-Derived microRNAs and Extracellular Vesicle Cargos as Biomarkers for Helminthic Infections. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 708952.	3.9	24
8	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.	7.3	14
9	Performance of the point-of-care circulating cathodic antigen test in the diagnosis of schistosomiasis japonica in a human cohort from Northern Samar, the Philippines. <i>Infectious Diseases of Poverty</i> , 2021, 10, 121.	3.7	10
10	MicroRNAs in Helminth Parasites: A Systematic Review. <i>Current Molecular Medicine</i> , 2021, 21, .	1.3	3
11	Parasite-derived microRNAs in plasma as novel promising biomarkers for the early detection of hydatid cyst infection and post-surgery follow-up. <i>Acta Tropica</i> , 2020, 202, 105255.	2.0	31
12	Parasite-derived circulating microRNAs as biomarkers for the detection of human <i>Schistosoma japonicum</i> infection. <i>Parasitology</i> , 2020, 147, 889-896.	1.5	29
13	Duplex real-time PCR for sexing <i>Schistosoma japonicum</i> cercariae based on W chromosome-specific genes and its applications. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008609.	3.0	3
14	Schistosomiasis—from immunopathology to vaccines. <i>Seminars in Immunopathology</i> , 2020, 42, 355-371.	6.1	90
15	Serum Exosomal miRNAs for Grading Hepatic Fibrosis Due to Schistosomiasis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3560.	4.1	23
16	Comparison of Kato Katz, antibody-based ELISA and droplet digital PCR diagnosis of schistosomiasis japonica: Lessons learnt from a setting of low infection intensity. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007228.	3.0	34
17	Gene Expression in Developmental Stages of <i>Schistosoma japonicum</i> Provides Further Insight into the Importance of the Schistosome Insulin-Like Peptide. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1565.	4.1	11
18	Co-parasitism of intestinal protozoa and <i>Schistosoma japonicum</i> in a rural community in the Philippines. <i>Infectious Diseases of Poverty</i> , 2018, 7, 121.	3.7	17

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19	Schistosome Vaccines for Domestic Animals. <i>Tropical Medicine and Infectious Disease</i> , 2018, 3, 68.	2.3	27
20	Circulating miRNAs as footprints for liver fibrosis grading in schistosomiasis. <i>EBioMedicine</i> , 2018, 37, 334-343.	6.1	37
21	A next-generation microarray further reveals stage-enriched gene expression pattern in the blood fluke <i>Schistosoma japonicum</i> . <i>Parasites and Vectors</i> , 2017, 10, 19.	2.5	16
22	Identification and functional characterisation of a <i>Schistosoma japonicum</i> insulin-like peptide. <i>Parasites and Vectors</i> , 2017, 10, 181.	2.5	15
23	A novel duplex ddPCR assay for the diagnosis of schistosomiasis japonica: proof of concept in an experimental mouse model. <i>Parasitology</i> , 2017, 144, 1005-1015.	1.5	34
24	A Parallel Comparison of Antigen Candidates for Development of an Optimized Serological Diagnosis of Schistosomiasis Japonica in the Philippines. <i>EBioMedicine</i> , 2017, 24, 237-246.	6.1	40
25	Droplet Digital PCR Diagnosis of Human Schistosomiasis: Parasite Cell-Free DNA Detection in Diverse Clinical Samples. <i>Journal of Infectious Diseases</i> , 2017, 216, 1611-1622.	4.0	61
26	Signalling pathways in schistosomes: novel targets for control interventions against schistosomiasis. <i>Emerging Topics in Life Sciences</i> , 2017, 1, 633-639.	2.6	4
27	Comprehensive Transcriptome Analysis of Sex-Biased Expressed Genes Reveals Discrete Biological and Physiological Features of Male and Female <i>Schistosoma japonicum</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004684.	3.0	43
28	Optimisation of a droplet digital PCR assay for the diagnosis of <i>Schistosoma japonicum</i> infection: A duplex approach with DNA binding dye chemistry. <i>Journal of Microbiological Methods</i> , 2016, 125, 19-27.	1.6	34
29	Functional characterisation of <i>Schistosoma japonicum</i> acetylcholinesterase. <i>Parasites and Vectors</i> , 2016, 9, 328.	2.5	18
30	The Tao survivorship of schistosomes: implications for schistosomiasis control. <i>International Journal for Parasitology</i> , 2016, 46, 453-463.	3.1	19
31	MicroRNAs in Parasitic Helminthiasis: Current Status and Future Perspectives. <i>Trends in Parasitology</i> , 2016, 32, 71-86.	3.3	69
32	Non-immune immunoglobulins shield <i>Schistosoma japonicum</i> from host immunorecognition. <i>Scientific Reports</i> , 2015, 5, 13434.	3.3	16
33	Circulating miRNAs: Potential Novel Biomarkers for Hepatopathology Progression and Diagnosis of Schistosomiasis Japonica in Two Murine Models. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003965.	3.0	65
34	Advances in the Diagnosis of Human Schistosomiasis. <i>Clinical Microbiology Reviews</i> , 2015, 28, 939-967.	13.6	222
35	Suppression of the Insulin Receptors in Adult <i>Schistosoma japonicum</i> Impacts on Parasite Growth and Development: Further Evidence of Vaccine Potential. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003730.	3.0	46
36	A novel <i>Schistosoma japonicum</i> endonuclease homologous to DNase II. <i>BMC Genomics</i> , 2015, 16, 126.	2.8	10

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37	Characterization of Diverse Internal Binding Specificities of PDZ Domains by Yeast Two-Hybrid Screening of a Special Peptide Library. <i>PLoS ONE</i> , 2014, 9, e88286.	2.5	22
38	The chronic enteropathogenic disease schistosomiasis. <i>International Journal of Infectious Diseases</i> , 2014, 28, 193-203.	3.3	77
39	Discovery and Confirmation of Ligand Binding Specificities of the <i>Schistosoma japonicum</i> Polarity Protein Scribble. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2837.	3.0	5
40	Expression Profile of the <i>Schistosoma japonicum</i> Degradome Reveals Differential Protease Expression Patterns and Potential Anti-schistosomal Intervention Targets. <i>PLoS Computational Biology</i> , 2014, 10, e1003856.	3.2	26
41	Genome-wide transcriptome analysis shows extensive alternative RNA splicing in the zoonotic parasite <i>Schistosoma japonicum</i> . <i>BMC Genomics</i> , 2014, 15, 715.	2.8	15
42	Proteomic Analysis of <i>Plasmodium falciparum</i> Schizonts Reveals Heparin-Binding Merozoite Proteins. <i>Journal of Proteome Research</i> , 2013, 12, 2185-2193.	3.7	32
43	A Deep Analysis of the Small Non-Coding RNA Population in <i>Schistosoma japonicum</i> Eggs. <i>PLoS ONE</i> , 2013, 8, e64003.	2.5	80
44	MicroRNA-Gene Expression Network in Murine Liver during <i>Schistosoma japonicum</i> Infection. <i>PLoS ONE</i> , 2013, 8, e67037.	2.5	41
45	Identification and Characterization of Argonaute Protein, Ago2 and Its Associated Small RNAs in <i>Schistosoma japonicum</i> . <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1745.	3.0	23
46	A comparative study of small RNAs in <i>Toxoplasma gondii</i> of distinct genotypes. <i>Parasites and Vectors</i> , 2012, 5, 186.	2.5	40
47	Molecular characterization and ligand binding specificity of the PDZ domain-containing protein GIPC3 from <i>Schistosoma japonicum</i> . <i>Parasites and Vectors</i> , 2012, 5, 227.	2.5	7
48	Genome-wide identification and characterization of a panel of house-keeping genes in <i>Schistosoma japonicum</i> . <i>Molecular and Biochemical Parasitology</i> , 2012, 182, 75-82.	1.1	71
49	Identification of novel antigens within the <i>Schistosoma japonicum</i> tetraspanin family based on molecular characterization. <i>Acta Tropica</i> , 2011, 117, 216-224.	2.0	14
50	Effects of Vector Fusion Peptides on the Conformation and Immune Reactivity of Epitope-Shuffled, Recombinant Multi-Epitope Antigens. <i>Protein and Peptide Letters</i> , 2011, 18, 73-83.	0.9	6
51	Profiles of Small Non-Coding RNAs in <i>Schistosoma japonicum</i> during Development. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1256.	3.0	68
52	Global Expression Analysis Revealed Novel Gender-Specific Gene Expression Features in the Blood Fluke Parasite <i>Schistosoma japonicum</i> . <i>PLoS ONE</i> , 2011, 6, e18267.	2.5	28
53	Mapping the Binding between the Tetraspanin Molecule (Sjc23) of <i>Schistosoma japonicum</i> and Human Non-Immune IgG. <i>PLoS ONE</i> , 2011, 6, e19112.	2.5	16
54	Identification and characterization of microRNAs and endogenous siRNAs in <i>Schistosoma japonicum</i> . <i>BMC Genomics</i> , 2010, 11, 55.	2.8	77

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55	Characterization of antibody responses to the Sj23 antigen of <i>Schistosoma japonicum</i> after infection and immunization. <i>Acta Tropica</i> , 2010, 116, 9-14.	2.0	14
56	Epitope Mapping of Monoclonal Antibody 1B9 Against <i>Plasmodium falciparum</i> -Derived Macrophage Migration Inhibitory Factor. <i>Immunological Investigations</i> , 2009, 38, 422-433.	2.0	5
57	Molecular characterization of <i>Schistosoma japonicum</i> tegument protein tetraspanin-2: Sequence variation and possible implications for immune evasion. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 197-202.	2.1	52