Pengfei Cai

List of Publications by Year
in descending order

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	Advances in the Diagnosis of Human Schistosomiasis. Clinical Microbiology Reviews, 2015, 28, 939-967.	13.6	222
2	Schistosomiasisâ€"from immunopathology to vaccines. Seminars in Immunopathology, 2020, 42, 355-371.	6.1	90
3	A Deep Analysis of the Small Non-Coding RNA Population in Schistosoma japonicum Eggs. PLoS ONE, 2013, 8, e64003.	2.5	80
4	Identification and characterization of microRNAs and endogenous siRNAs in Schistosoma japonicum. BMC Genomics, 2010, 11, 55.	2.8	77
5	The chronic enteropathogenic disease schistosomiasis. International Journal of Infectious Diseases, 2014, 28, 193-203.	3.3	77
6	Genome-wide identification and characterization of a panel of house-keeping genes in Schistosoma japonicum. Molecular and Biochemical Parasitology, 2012, 182, 75-82.	1.1	71
7	MicroRNAs in Parasitic Helminthiases: Current Status and Future Perspectives. Trends in Parasitology, 2016, 32, 71-86.	3.3	69
8	Profiles of Small Non-Coding RNAs in Schistosoma japonicum during Development. PLoS Neglected Tropical Diseases, 2011, 5, e1256.	3.0	68
9	Circulating miRNAs: Potential Novel Biomarkers for Hepatopathology Progression and Diagnosis of Schistosomiasis Japonica in Two Murine Models. PLoS Neglected Tropical Diseases, 2015, 9, e0003965.	3.0	65
10	Droplet Digital PCR Diagnosis of Human Schistosomiasis: Parasite Cell-Free DNA Detection in Diverse Clinical Samples. Journal of Infectious Diseases, 2017, 216, 1611-1622.	4.0	61
11	Molecular characterization of Schistosoma japonicum tegument protein tetraspanin-2: Sequence variation and possible implications for immune evasion. Biochemical and Biophysical Research Communications, 2008, 372, 197-202.	2.1	52
12	Suppression of the Insulin Receptors in Adult Schistosoma japonicum Impacts on Parasite Growth and Development: Further Evidence of Vaccine Potential. PLoS Neglected Tropical Diseases, 2015, 9, e0003730.	3.0	46
13	Comprehensive Transcriptome Analysis of Sex-Biased Expressed Genes Reveals Discrete Biological and Physiological Features of Male and Female Schistosoma japonicum. PLoS Neglected Tropical Diseases, 2016, 10, e0004684.	3.0	43
14	MicroRNA-Gene Expression Network in Murine Liver during Schistosoma japonicum Infection. PLoS ONE, 2013, 8, e67037.	2.5	41
15	A comparative study of small RNAs in Toxoplasma gondii of distinct genotypes. Parasites and Vectors, 2012, 5, 186.	2.5	40
16	A Parallel Comparison of Antigen Candidates for Development of an Optimized Serological Diagnosis of Schistosomiasis Japonica in the Philippines. EBioMedicine, 2017, 24, 237-246.	6.1	40
17	Circulating miRNAs as footprints for liver fibrosis grading in schistosomiasis. EBioMedicine, 2018, 37, 334-343.	6.1	37
18	Optimisation of a droplet digital PCR assay for the diagnosis of Schistosoma japonicum infection: A duplex approach with DNA binding dye chemistry. Journal of Microbiological Methods, 2016, 125, 19-27.	1.6	34

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19	A novel duplex ddPCR assay for the diagnosis of schistosomiasis japonica: proof of concept in an experimental mouse model. Parasitology, 2017, 144, 1005-1015.	1.5	34
20	Comparison of Kato Katz, antibody-based ELISA and droplet digital PCR diagnosis of schistosomiasis japonica: Lessons learnt from a setting of low infection intensity. PLoS Neglected Tropical Diseases, 2019, 13, e0007228.	3.0	34
21	Proteomic Analysis of Plasmodium falciparum Schizonts Reveals Heparin-Binding Merozoite Proteins. Journal of Proteome Research, 2013, 12, 2185-2193.	3.7	32
22	Parasite-derived microRNAs in plasma as novel promising biomarkers for the early detection of hydatid cyst infection and post-surgery follow-up. Acta Tropica, 2020, 202, 105255.	2.0	31
23	Parasite-derived circulating microRNAs as biomarkers for the detection of human Schistosoma japonicum infection. Parasitology, 2020, 147, 889-896.	1.5	29
24	Global Expression Analysis Revealed Novel Gender-Specific Gene Expression Features in the Blood Fluke Parasite Schistosoma japonicum. PLoS ONE, 2011, 6, e18267.	2.5	28
25	Schistosome Vaccines for Domestic Animals. Tropical Medicine and Infectious Disease, 2018, 3, 68.	2.3	27
26	Expression Profile of the Schistosoma japonicum Degradome Reveals Differential Protease Expression Patterns and Potential Anti-schistosomal Intervention Targets. PLoS Computational Biology, 2014, 10, e1003856.	3.2	26
27	Parasitic Helminth-Derived microRNAs and Extracellular Vesicle Cargos as Biomarkers for Helminthic Infections. Frontiers in Cellular and Infection Microbiology, 2021, 11, 708952.	3.9	24
28	Identification and Characterization of Argonaute Protein, Ago2 and Its Associated Small RNAs in Schistosoma japonicum. PLoS Neglected Tropical Diseases, 2012, 6, e1745.	3.0	23
29	Serum Exosomal miRNAs for Grading Hepatic Fibrosis Due to Schistosomiasis. International Journal of Molecular Sciences, 2020, 21, 3560.	4.1	23
30	Characterization of Diverse Internal Binding Specificities of PDZ Domains by Yeast Two-Hybrid Screening of a Special Peptide Library. PLoS ONE, 2014, 9, e88286.	2.5	22
31	The Tao survivorship of schistosomes: implications for schistosomiasis control. International Journal for Parasitology, 2016, 46, 453-463.	3.1	19
32	Functional characterisation of Schistosoma japonicum acetylcholinesterase. Parasites and Vectors, 2016, 9, 328.	2.5	18
33	Co-parasitism of intestinal protozoa and Schistosoma japonicum in a rural community in the Philippines. Infectious Diseases of Poverty, 2018, 7, 121.	3.7	17
34	Non-immune immunoglobulins shield Schistosoma japonicum from host immunorecognition. Scientific Reports, 2015, 5, 13434.	3.3	16
35	A next-generation microarray further reveals stage-enriched gene expression pattern in the blood fluke Schistosoma japonicum. Parasites and Vectors, 2017, 10, 19.	2.5	16
36	Mapping the Binding between the Tetraspanin Molecule (Sjc23) of Schistosoma japonicum and Human Non-Immune IgG. PLoS ONE, 2011, 6, e19112.	2.5	16

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37	Genome-wide transcriptome analysis shows extensive alternative RNA splicing in the zoonotic parasite Schistosoma japonicum. BMC Genomics, 2014, 15, 715.	2.8	15
38	Identification and functional characterisation of a Schistosoma japonicum insulin-like peptide. Parasites and Vectors, 2017, 10, 181.	2.5	15
39	Characterization of antibody responses to the Sj23 antigen of Schistosoma japonicum after infection and immunization. Acta Tropica, 2010, 116, 9-14.	2.0	14
40	Identification of novel antigens within the Schistosoma japonicum tetraspanin family based on molecular characterization. Acta Tropica, 2011, 117, 216-224.	2.0	14
41	Immunomics-guided discovery of serum and urine antibodies for diagnosing urogenital schistosomiasis: a biomarker identification study. Lancet Microbe, The, 2021, 2, e617-e626.	7.3	14
42	Schistosome Infection and Schistosome-Derived Products as Modulators for the Prevention and Alleviation of Immunological Disorders. Frontiers in Immunology, 2021, 12, 619776.	4.8	12
43	Gene Expression in Developmental Stages of Schistosoma japonicum Provides Further Insight into the Importance of the Schistosome Insulin-Like Peptide. International Journal of Molecular Sciences, 2019, 20, 1565.	4.1	11
44	A novel Schistosoma japonicum endonuclease homologous to DNase II. BMC Genomics, 2015, 16, 126.	2.8	10
45	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. Infectious Diseases of Poverty, 2021, 10, 121.	3.7	10
46	Identification of a linear B-cell epitope on the Schistosoma japonicum saposin protein, SjSAP4: Potential as a component of a multi-epitope diagnostic assay. PLoS Neglected Tropical Diseases, 2022, 16, e0010619.	3.0	8
47	Molecular characterization and ligand binding specificity of the PDZ domain-containing protein GIPC3 from Schistosoma japonicum. Parasites and Vectors, 2012, 5, 227.	2.5	7
48	Effects of Vector Fusion Peptides on the Conformation and Immune Reactivity of Epitope-Shuffled, Recombinant Multi-Epitope Antigens. Protein and Peptide Letters, 2011, 18, 73-83.	0.9	6
49	Potential of the CRISPRâ€Cas system for improved parasite diagnosis. BioEssays, 2022, 44, e2100286.	2.5	6
50	Epitope Mapping of Monoclonal Antibody 1B9 AgainstPlasmodium falciparum-Derived Macrophage Migration Inhibitory Factor. Immunological Investigations, 2009, 38, 422-433.	2.0	5
51	Discovery and Confirmation of Ligand Binding Specificities of the Schistosoma japonicum Polarity Protein Scribble. PLoS Neglected Tropical Diseases, 2014, 8, e2837.	3.0	5
52	Signalling pathways in schistosomes: novel targets for control interventions against schistosomiasis. Emerging Topics in Life Sciences, 2017, 1, 633-639.	2.6	4
53	Characterization of MicroRNA Cargo of Extracellular Vesicles Isolated From the Plasma of Schistosoma japonicum-Infected Mice. Frontiers in Cellular and Infection Microbiology, 2022, 12, 803242.	3.9	4
54	Novel Hepatic Schistosomula Antigens as Promising Targets for Immunodiagnosis and Immunoprotection of Schistosomiasis japonica. Journal of Infectious Diseases, 2022, 225, 1991-2001.	4.0	4

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55	Duplex real-time PCR for sexing Schistosoma japonicum cercariae based on W chromosome-specific genes and its applications. PLoS Neglected Tropical Diseases, 2020, 14, e0008609.	3.0	3
56	The Fight Against Severe COVID-19: Can Parasitic Worms Contribute?. Frontiers in Immunology, 2022, 13, 849465.	4.8	3
57	MicroRNAs in Helminth Parasites: A Systematic Review. Current Molecular Medicine, 2021, 21, .	1.3	3