Mingyuan Liu

List of Publications by Year
in descending order

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85 papers	1,739 citations	331538 21 h-index	345118 36 g-index
85 all docs	85 docs citations	85 times ranked	2243 citing authors

#	Article	IF	Citations
1	Activation of ROS/MAPK <scp>s</scp> /NFâ€•<scp>Îº</scp> B/NLRP3 and inhibition of efferocytosis in osteoclastâ€mediated diabetic osteoporosis. FASEB Journal, 2019, 33, 12515-12527.	0.2	206
2	Current Research of Trichinellosis in China. Frontiers in Microbiology, 2017, 8, 1472.	1.5	91
3	Escherichia coli and Candida albicans Induced Macrophage Extracellular Trap-Like Structures with Limited Microbicidal Activity. PLoS ONE, 2014, 9, e90042.	1.1	88
4	Cell transcriptomic atlas of the non-human primate Macaca fascicularis. Nature, 2022, 604, 723-731.	13.7	81
5	Emergence of a plasmid-borne multidrug resistance gene cfr(C) in foodborne pathogen Campylobacter. Journal of Antimicrobial Chemotherapy, 2017, 72, 1581-1588.	1.3	80
6	The plant alkaloid piperine as a potential inhibitor of ethidium bromide efflux in Mycobacterium smegmatis. Journal of Medical Microbiology, 2011, 60, 223-229.	0.7	48
7	Biochanin a Enhances the Defense Against Salmonella enterica Infection Through AMPK/ULK1/mTOR-Mediated Autophagy and Extracellular Traps and Reversing SPI-1-Dependent Macrophage (MÎ¦) M2 Polarization. Frontiers in Cellular and Infection Microbiology, 2018, 8, 318.	1.8	47
8	Aflatoxin B1 Induces Reactive Oxygen Species-Mediated Autophagy and Extracellular Trap Formation in Macrophages. Frontiers in Cellular and Infection Microbiology, 2017, 7, 53.	1.8	46
9	Cordycepin reduces weight through regulating gut microbiota in high-fat diet-induced obese rats. Lipids in Health and Disease, 2018, 17, 276.	1.2	46
10	Extracellular Vesicles Derived From Trichinella spiralis Muscle Larvae Ameliorate TNBS-Induced Colitis in Mice. Frontiers in Immunology, 2020, 11, 1174.	2.2	44
11	Fosfomycin enhances phagocyte-mediated killing of Staphylococcus aureus by extracellular traps and reactive oxygen species. Scientific Reports, 2016, 6, 19262.	1.6	41
12	Immune Cell Responses and Cytokine Profile in Intestines of Mice Infected with Trichinella spiralis. Frontiers in Microbiology, 2017, 8, 2069.	1.5	40
13	Characterisation of a high-frequency gene encoding a strongly antigenic cystatin-like protein from Trichinella spiralis at its early invasion stage. Parasites and Vectors, 2015, 8, 78.	1.0	38
14	Vinegar Treatment Prevents the Development of Murine Experimental Colitis via Inhibition of Inflammation and Apoptosis. Journal of Agricultural and Food Chemistry, 2016, 64, 1111-1121.	2.4	38
15	Low salinity affects cellularity, DNA methylation, and mRNA expression of igf1 in the liver of half smooth tongue sole (Cynoglossus semilaevis). Fish Physiology and Biochemistry, 2017, 43, 1587-1602.	0.9	30
16	Antibody-biotin-streptavidin-horseradish peroxidase (HRP) sensor for rapid and ultra-sensitive detection of fumonisins. Food Chemistry, 2020, 316, 126356.	4.2	30
17	Molecular Characterization of Fructose-1,6-bisphosphate Aldolase From Trichinella spiralis and Its Potential in Inducing Immune Protection. Frontiers in Cellular and Infection Microbiology, 2019, 9, 122.	1.8	29
18	Primary characterization of the immune response in pigs infected with Trichinella spiralis. Veterinary Research, 2020, 51, 17.	1.1	28

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19	Dendritic cells treated by Trichinella spiralis muscle larval excretory/secretory products alleviate TNBS-induced colitis in mice. International Immunopharmacology, 2019, 70, 378-386.	1.7	27
20	Immunoproteomic analysis of the excretory-secretory products of Trichinella pseudospiralis adult worms and newborn larvae. Parasites and Vectors, 2017, 10, 579.	1.0	26
21	Fosfomycin Protects Mice From Staphylococcus aureus Pneumonia Caused by Î±-Hemolysin in Extracellular Vesicles by Inhibiting MAPK-Regulated NLRP3 Inflammasomes. Frontiers in Cellular and Infection Microbiology, 2019, 9, 253.	1.8	25
22	Characterisation of a Plancitoxin-1-Like DNase II Gene in Trichinella spiralis. PLoS Neglected Tropical Diseases, 2014, 8, e3097.	1.3	23
23	TREM2 Regulates High Glucose-Induced Microglial Inflammation via the NLRP3 Signaling Pathway. Brain Sciences, 2021, 11, 896.	1.1	23
24	Trichinella spiralis:inflammation modulator. Journal of Helminthology, 2020, 94, e193.	0.4	21
25	Recombinant Trichinella pseudospiralis Serine Protease Inhibitors Alter Macrophage Polarization In Vitro. Frontiers in Microbiology, 2017, 8, 1834.	1.5	20
26	Î²-Glucan-triggered Akkermansia muciniphila expansion facilitates the expulsion of intestinal helminth via TLR2 in mice. Carbohydrate Polymers, 2022, 275, 118719.	5.1	20
27	Triclosan Enhances the Clearing of Pathogenic Intracellular Salmonella or Candida albicans but Disturbs the Intestinal Microbiota through mTOR-Independent Autophagy. Frontiers in Cellular and Infection Microbiology, 2018, 8, 49.	1.8	19
28	Trichinella spiralis and Tumors: Cause, Coincidence or Treatment?. Anti-Cancer Agents in Medicinal Chemistry, 2018, 18, 1091-1099.	0.9	18
29	The TRAPs From Microglial Vesicles Protect Against Listeria Infection in the CNS. Frontiers in Cellular Neuroscience, 2019, 13, 199.	1.8	18
30	Changes to the gut microbiota in mice induced by infection with Toxoplasma gondii. Acta Tropica, 2020, 203, 105301.	0.9	18
31	Effect of recombinant serine protease from adult stage of Trichinella spiralis on TNBS-induced experimental colitis in mice. International Immunopharmacology, 2020, 86, 106699.	1.7	18
32	Extracellular vesicles derived from Trichinella spiralis prevent colitis by inhibiting M1 macrophage polarization. Acta Tropica, 2021, 213, 105761.	0.9	16
33	Glutathione-S-transferase of Trichinella spiralis regulates maturation and function of dendritic cells. Parasitology, 2019, 146, 1725-1732.	0.7	15
34	Comprehensive Proteomic Analysis of Lysine Acetylation in the Foodborne Pathogen Trichinella spiralis. Frontiers in Microbiology, 2017, 8, 2674.	1.5	14
35	Cordycepin regulates body weight by inhibiting lipid droplet formation, promoting lipolysis and recruiting beige adipocytes. Journal of Pharmacy and Pharmacology, 2019, 71, 1429-1439.	1.2	14
36	Regulation of host immune cells and cytokine production induced byTrichinella spiralisinfection. Parasite, 2019, 26, 74.	0.8	14

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37	Trichinella infectivity and antibody response in experimentally infected pigs. Veterinary Parasitology, 2021, 297, 109111.	0.7	14
38	Vaccines as a Strategy to Control Trichinellosis. Frontiers in Microbiology, 2022, 13, 857786.	1.5	14
39	Trichinella spiralis, potential model nematode for epigenetics and its implication in metazoan parasitism. Frontiers in Physiology, 2014, 4, 410.	1.3	13
40	Lentinan improved the efficacy of vaccine against Trichinella spiralis in an NLRP3 dependent manner. PLoS Neglected Tropical Diseases, 2020, 14, e0008632.	1.3	13
41	NLRP3 played a role in Trichinella spiralis-triggered Th2 and regulatory T cells response. Veterinary Research, 2020, 51, 107.	1.1	13
42	The Anti-Inflammatory Immune Response in Early Trichinella spiralis Intestinal Infection Depends on Serine Protease Inhibitorâ€“Mediated Alternative Activation of Macrophages. Journal of Immunology, 2021, 206, 963-977.	0.4	13
43	Disruption of Epithelial Barrier of Caco-2 Cell Monolayers by Excretory Secretory Products of Trichinella spiralis Might Be Related to Serine Protease. Frontiers in Microbiology, 2021, 12, 634185.	1.5	13
44	Helminth Therapy for Immune-Mediated Inflammatory Diseases: Current and Future Perspectives. Journal of Inflammation Research, 2022, Volume 15, 475-491.	1.6	13
45	Characterization of an antigenic serine protease in the Trichinella spiralis adult. Experimental Parasitology, 2018, 195, 8-18.	0.5	12
46	Effects of CwlM on autolysis and biofilm formation in Mycobacterium tuberculosis and Mycobacterium smegmatis. International Journal of Medical Microbiology, 2019, 309, 73-83.	1.5	12
47	Cordycepin Modulates Body Weight by Reducing Prolactin Via an Adenosine A1 Receptor. Current Pharmaceutical Design, 2018, 24, 3240-3249.	0.9	12
48	The immune protection induced by a serine protease from the Trichinella spiralis adult administered as DNA and protein vaccine. Acta Tropica, 2020, 211, 105622.	0.9	11
49	Vaccination with a DNase II recombinant protein against Trichinella spiralis infection in pigs. Veterinary Parasitology, 2021, 297, 109069.	0.7	11
50	The immune protection induced by a serine protease from the Trichinella spiralis adult against Trichinella spiralis infection in pigs. PLoS Neglected Tropical Diseases, 2021, 15, e0009408.	1.3	11
51	Insulin-like growth factor-I activates NFÎºB and NLRP3 inflammatory signalling via ROS in cancer cells. Molecular and Cellular Probes, 2020, 52, 101583.	0.9	10
52	Polyelectrolyte nanocapsule probe for the determination of imidacloprid in agricultural food samples. Food and Agricultural Immunology, 2019, 30, 432-445.	0.7	9
53	Comparative analysis of excretoryâ€“secretory products of muscle larvae of three isolates of Trichinella pseudospiralis by the iTRAQ method. Veterinary Parasitology, 2021, 297, 109119.	0.7	8
54	The dynamics of select cellular responses and cytokine expression profiles in mice infected with juvenile Clonorchis sinensis. Acta Tropica, 2021, 217, 105852.	0.9	8

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55	Microglia NLRP3 Inflammasomes Activation Involving Diabetic Neuroinflammation in Diabetic Mice and BV2 Cells. Current Pharmaceutical Design, 2021, 27, 2802-2816.	0.9	8
56	Rapid Quantum Dot Nanobead-mAb Probe-Based Immunochromatographic Assay for Antibody Monitoring of Trichinella spiralis Infection. International Journal of Nanomedicine, 2021, Volume 16, 2477-2486.	3.3	7
57	Nrf2 Participates in M2 Polarization by Trichinella spiralis to Alleviate TNBS-Induced Colitis in Mice. Frontiers in Immunology, 2021, 12, 698494.	2.2	7
58	Excretory-secretory product of Trichinella spiralis inhibits tumor cell growth by regulating the immune response and inducing apoptosis. Acta Tropica, 2022, 225, 106172.	0.9	7
59	A Higher Frequency of CD4⁺CXCR5⁺T Follicular Helper Cells in Adult Patients with Minimal Change Disease. BioMed Research International, 2014, 2014, 1-13.	0.9	6
60	Comparative proteomics analysis between biofilm and planktonic cells of Mycobacterium tuberculosis. Electrophoresis, 2019, 40, 2736-2746.	1.3	6
61	Evaluation of a cystatin-like protein of Trichinella spiralis for serodiagnosis and identification of immunodominant epitopes using monoclonal antibodies. Veterinary Parasitology, 2021, 297, 109127.	0.7	6
62	Prevalence of meat-transmitted Taenia and Trichinella parasites in the Far East countries. Parasitology Research, 2021, 120, 4145-4151.	0.6	6
63	Global transcriptional profiles of Mycobacterium tuberculosis treated with plumbagin. World Journal of Microbiology and Biotechnology, 2011, 27, 2261-2269.	1.7	5
64	Effects of Trichinella spiralis and its excretory/secretory products on autophagy of host muscle cells in vivo and in vitro. PLoS Neglected Tropical Diseases, 2021, 15, e0009040.	1.3	5
65	Divergence at mitochondrial and ribosomal loci indicates the split between Asian and European populations of Trichinella spiralis occurred prior to swine domestication. Infection, Genetics and Evolution, 2021, 88, 104705.	1.0	5
66	Development of a rapid and sensitive immunochromatographic strip based on EuNPs-ES fluorescent probe for the detection of early Trichinella spiralis-specific IgG antibody in pigs. Veterinary Research, 2021, 52, 85.	1.1	5
67	Recombinant cystatin-like protein-based competition ELISA for Trichinella spiralis antibody test in multihost sera. PLoS Neglected Tropical Diseases, 2021, 15, e0009723.	1.3	5
68	Proteomic Analysis of Taenia solium Cyst Fluid by Shotgun LC-MS/MS. Journal of Parasitology, 2021, 107, 799-809.	0.3	5
69	Effect of Trichinella spp. or derived antigens on chemically induced inflammatory bowel disease (IBD) in mouse models: A systematic review and meta-analysis. International Immunopharmacology, 2020, 85, 106646.	1.7	4
70	Taenia solium insulin receptors: promising candidates for cysticercosis treatment and prevention. Acta Tropica, 2020, 209, 105552.	0.9	4
71	Comparative multi-omics analyses reveal differential expression of key genes relevant for parasitism between non-encapsulated and encapsulated Trichinella. Communications Biology, 2021, 4, 134.	2.0	4
72	Inhibition of Drug Resistance of Staphylococcus aureus by Efflux Pump Inhibitor and Autolysis Inducer to Strengthen the Antibacterial Activity of Î²-lactam Drugs. Polish Journal of Microbiology, 2019, 68, 477-491.	0.6	4

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73	A misdiagnosis of clonorchiasis as gallstone, leading to an unnecessary cholecystectomy: a case report. American Journal of Emergency Medicine, 2014, 32, 1442.e3-1442.e5.	0.7	3
74	Acute shock caused by Clonorchis sinensis infection: a case report. BMC Infectious Diseases, 2019, 19, 1014.	1.3	3
75	An old drug as a promising new cure for the hard-to-treat echinococcosis. EBioMedicine, 2020, 55, 102749.	2.7	3
76	Nod-like receptor pyrin domain containing 3 plays a key role in the development of Th2 cell-mediated host defenses against Trichinella spiralis infection. Veterinary Parasitology, 2020, 297, 109159.	0.7	3
77	Effect of recombinant serine protease from newborn larval stage of Trichinella spiralis on 2,4,6-trinitrobenzene sulfonic acid-induced experimental colitis in mice. Acta Tropica, 2020, 211, 105553.	0.9	3
78	Gene expression profile analysis and target gene discovery of Mycobacterium tuberculosis biofilm. Applied Microbiology and Biotechnology, 2021, 105, 5123-5134.	1.7	3
79	Rapid Detection of Cysticercus cellulosae by an Up-Converting Phosphor Technology-Based Lateral-Flow Assay. Frontiers in Cellular and Infection Microbiology, 2021, 11, 762472.	1.8	3
80	Murine hepatoma treatment with mature dendritic cells stimulated by Trichinella spiralis excretory/secretory products. Parasite, 2020, 27, 47.	0.8	2
81	Effects of TLR agonists on immune responses in Trichinella spiralis infected mice. Parasitology Research, 2020, 119, 2505-2510.	0.6	2
82	Time-resolved transcriptional profiling of Trichinella-infected murine myocytes helps to elucidate hostâ€“pathogen interactions in the muscle stage. Parasites and Vectors, 2021, 14, 130.	1.0	2
83	Targeting IRS â€1/ mPGES â€1/ NOX2 to inhibit the inflammatory response caused by insulinâ€like growth factorâ€ â€induced activation of NFâ€ºB and NLRP3 in cancer cells. Veterinary and Comparative Oncology, 2020, 18, 689-698.	0.8	1
84	Comparative Epigenomics Reveals Host Diversity of the Trichinella Epigenomes and Their Effects on Differential Parasitism. Frontiers in Cell and Developmental Biology, 2021, 9, 681839.	1.8	1
85	Hfq mutation confers increased cephalosporin resistance in Klebsiella pneumoniae. Archives of Biological Sciences, 2017, 69, 61-69.	0.2	1