

# Aizhen Guo

## List of Publications by Citations

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76  
papers

796  
citations

16  
h-index

24  
g-index

81  
ext. papers

1,114  
ext. citations

4.6  
avg. IF

3.78  
L-index

#	Paper	IF	Citations
76	Potential challenges to the Stop TB Plan for humans in China; cattle maintain <i>M. bovis</i> and <i>M. tuberculosis</i> . <i>Tuberculosis</i> , <b>2009</b> , 89, 95-100	2.6	56
75	Comparative geno-plasticity analysis of <i>Mycoplasma bovis</i> HB0801 (Chinese isolate). <i>PLoS ONE</i> , <b>2012</b> , 7, e38239	3.7	55
74	Prevalence study and genetic typing of bovine viral diarrhoea virus (BVDV) in four bovine species in China. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121718	3.7	45
73	FimH alleles direct preferential binding of <i>Salmonella</i> to distinct mammalian cells or to avian cells. <i>Microbiology (United Kingdom)</i> , <b>2009</b> , 155, 1623-1633	2.9	40
72	6-Bromoindirubin-3ROxime Suppresses LPS-Induced Inflammation via Inhibition of the TLR4/NF- $\kappa$ B and TLR4/MAPK Signaling Pathways. <i>Inflammation</i> , <b>2019</b> , 42, 2192-2204	5.1	33
71	Attenuated <i>Mycoplasma bovis</i> strains provide protection against virulent infection in calves. <i>Vaccine</i> , <b>2014</b> , 32, 3107-14	4.1	30
70	<i>Mycoplasma bovis</i> MBOV_RS02825 Encodes a Secretory Nuclease Associated with Cytotoxicity. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	30
69	<i>Mycoplasma bovis</i> NADH oxidase functions as both a NADH oxidizing and O reducing enzyme and an adhesin. <i>Scientific Reports</i> , <b>2017</b> , 7, 44	4.9	27
68	Identification of potential urine proteins and microRNA biomarkers for the diagnosis of pulmonary tuberculosis patients. <i>Emerging Microbes and Infections</i> , <b>2018</b> , 7, 63	18.9	26
67	Immunoproteomic identification of MbovP579, a promising diagnostic biomarker for serological detection of <i>Mycoplasma bovis</i> infection. <i>Oncotarget</i> , <b>2016</b> , 7, 39376-39395	3.3	24
66	Utility of mycobacterial interspersed repetitive unit typing for differentiating <i>Mycobacterium tuberculosis</i> isolates in Wuhan, China. <i>Journal of Medical Microbiology</i> , <b>2007</b> , 56, 1219-1223	3.2	22
65	TrmFO, a Fibronectin-Binding Adhesin of <i>Mycoplasma bovis</i> . <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	21
64	Evaluation of efficacy, biodistribution and safety of antibiotic-free plasmid encoding somatostatin genes delivered by attenuated <i>Salmonella enterica</i> serovar Choleraesuis. <i>Vaccine</i> , <b>2014</b> , 32, 1368-74	4.1	18
63	Characterization of the mechanism of inhibin $\beta$ subunit gene in mouse anterior pituitary cells by RNA interference. <i>PLoS ONE</i> , <b>2013</b> , 8, e74596	3.7	18
62	Comparative Proteomics Analysis of Human Macrophages Infected with Virulent. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 65	5.9	17
61	C3d enhanced DNA vaccination induced humoral immune response to glycoprotein C of pseudorabies virus. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 347, 845-51	3.4	17
60	Identification of new diagnostic biomarkers for <i>Mycobacterium tuberculosis</i> and the potential application in the serodiagnosis of human tuberculosis. <i>Microbial Biotechnology</i> , <b>2018</b> , 11, 893-904	6.3	16

59	Diversity and distribution of type A influenza viruses: an updated panorama analysis based on protein sequences. <i>Virology Journal</i> , <b>2019</b> , 16, 85	6.1	16
58	Ivermectin Inhibits Bovine Herpesvirus 1 DNA Polymerase Nuclear Import and Interferes with Viral Replication. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	15
57	Mycobacterium bovis and BCG induce different patterns of cytokine and chemokine production in dendritic cells and differentiation patterns in CD4+ T cells. <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 366-379	2.9	15
56	Gambogic acid alleviates inflammation and apoptosis and protects the blood-milk barrier in mastitis induced by LPS. <i>International Immunopharmacology</i> , <b>2020</b> , 86, 106697	5.8	14
55	Evidence for a primate origin of zoonotic Helicobacter suis colonizing domesticated pigs. <i>ISME Journal</i> , <b>2018</b> , 12, 77-86	11.9	14
54	Genotype distribution of Chinese Mycoplasma bovis isolates and their evolutionary relationship to strains from other countries. <i>Microbial Pathogenesis</i> , <b>2017</b> , 111, 108-117	3.8	14
53	Establishment of an antibody avidity test to differentiate vaccinated cattle from those naturally infected with Mycoplasma bovis. <i>Veterinary Journal</i> , <b>2015</b> , 203, 79-84	2.5	14
52	Protective effect of ligand-binding domain of fibronectin-binding protein on mastitis induced by Staphylococcus aureus in mice. <i>Vaccine</i> , <b>2010</b> , 28, 4038-44	4.1	13
51	Fructose-1,6-bisphosphate aldolase is involved in Mycoplasma bovis colonization as a fibronectin-binding adhesin. <i>Research in Veterinary Science</i> , <b>2019</b> , 124, 70-78	2.5	10
50	Tissue inhibitor of metalloproteinases 1, a novel biomarker of tuberculosis. <i>Molecular Medicine Reports</i> , <b>2017</b> , 15, 483-487	2.9	10
49	(1)H-NMR spectroscopy revealed Mycobacterium tuberculosis caused abnormal serum metabolic profile of cattle. <i>PLoS ONE</i> , <b>2013</b> , 8, e74507	3.7	10
48	Attenuation of bovine herpesvirus type 1 by deletion of its glycoprotein G and tk genes and protection against virulent viral challenge. <i>Vaccine</i> , <b>2011</b> , 29, 8943-50	4.1	10
47	Immunization of DNA vaccine encoding C3d-VP1 fusion enhanced protective immune response against foot-and-mouth disease virus. <i>Virus Genes</i> , <b>2007</b> , 35, 347-57	2.3	10
46	Toll-like receptor 6 gene polymorphisms increase the risk of bovine tuberculosis in Chinese Holstein cattle. <i>Acta Histochemica</i> , <b>2014</b> , 116, 1159-62	2	9
45	Extracellular DNA: A Nutritional Trigger of Cytotoxicity. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2753	5.7	9
44	Comparative Genomics of a Bovine Isolate and Other Strains Reveals Its Potential Mechanism of Bovine Adaptation. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 2500	5.7	8
43	P27 (MBOV_RS03440) is a novel fibronectin binding adhesin of Mycoplasma bovis. <i>International Journal of Medical Microbiology</i> , <b>2018</b> , 308, 848-857	3.7	7
42	Down-Regulation of miR-378d Increased Rab10 Expression to Help Clearance of in Macrophages. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 108	5.9	6

41	Assessment of the physicochemical properties and bacterial composition of <i>Lactobacillus plantarum</i> and <i>Enterococcus faecium</i> -fermented <i>Astragalus membranaceus</i> using single molecule, real-time sequencing technology. <i>Scientific Reports</i> , <b>2018</b> , 8, 11862	4.9	6
40	Identification of 60 secreted proteins for <i>Mycoplasma bovis</i> with secretome assay. <i>Microbial Pathogenesis</i> , <b>2020</b> , 143, 104135	3.8	5
39	Mbov_0503 Encodes a Novel Cytoadhesin that Facilitates Interaction with Tight Junctions. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	5
38	Upregulation of Cytokines and Differentiation of Th17 and Treg by Dendritic Cells: Central Role of Prostaglandin E2 Induced by. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	5
37	Global transcriptional profiles of <i>Mycobacterium tuberculosis</i> treated with plumbagin. <i>World Journal of Microbiology and Biotechnology</i> , <b>2011</b> , 27, 2261-2269	4.4	5
36	Transcriptome Profiling of mA mRNA Modification in Bovine Mammary Epithelial Cells Treated with. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
35	An emerging role for cyclic dinucleotide phosphodiesterase and nanoRNase activities in <i>Mycoplasma bovis</i> : Securing survival in cell culture. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008661	7.6	4
34	Proteomics analysis and its role in elucidation of functionally significant proteins in <i>Mycoplasma bovis</i> . <i>Microbial Pathogenesis</i> , <b>2017</b> , 111, 50-59	3.8	4
33	A bovine herpesvirus 1 pUL51 deletion mutant shows impaired viral growth in vitro and reduced virulence in rabbits. <i>Oncotarget</i> , <b>2016</b> , 7, 12235-53	3.3	4
32	Isolation and whole protein characterization of species A and B bovine rotaviruses from Chinese calves. <i>Infection, Genetics and Evolution</i> , <b>2021</b> , 89, 104715	4.5	4
31	Novel Secreted Protein of MbovP280 Induces Macrophage Apoptosis Through CRYAB. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 619362	8.4	4
30	Proteomics identification and characterization of MbovP730 as a potential DIVA antigen of. <i>Oncotarget</i> , <b>2018</b> , 9, 28322-28336	3.3	4
29	Genome-Wide Analysis of LncRNA in Bovine Mammary Epithelial Cell Injuries Induced by <i>Escherichia Coli</i> and <i>Staphylococcus Aureus</i> . <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
28	Progresses on bacterial secretomes enlighten research on <i>Mycoplasma</i> secretome. <i>Microbial Pathogenesis</i> , <b>2020</b> , 144, 104160	3.8	3
27	Modification of SARS-CoV S1 gene render expression in <i>Pichia pastoris</i> . <i>Virus Genes</i> , <b>2006</b> , 33, 329-35	2.3	3
26	Genomic analysis of a <i>Mycobacterium bovis</i> bacillus [corrected] Calmette-Guérin strain isolated from an adult patient with pulmonary tuberculosis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0122403	3.7	3
25	Comparative proteomic and genomic analyses of <i>Brucella abortus</i> biofilm and planktonic cells. <i>Molecular Medicine Reports</i> , <b>2020</b> , 21, 731-743	2.9	3
24	TRIM25 upregulation by <i>Mycobacterium tuberculosis</i> infection promotes intracellular survival of M.tb in RAW264.7 cells. <i>Microbial Pathogenesis</i> , <b>2020</b> , 148, 104456	3.8	3

23	MicroRNA-18b-5p Downregulation Favors Clearance in Macrophages via HIF-1 $\beta$ Promoting an Inflammatory Response. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 800-810	5.5	3
22	Prevalence of bovine astroviruses and their genotypes in sampled Chinese calves with and without diarrhoea. <i>Journal of General Virology</i> , <b>2021</b> , 102,	4.9	3
21	Two dimensional gel electrophoresis (2-DE) for high-throughput proteome analyses of <i>Mycoplasma bovis</i> . <i>Acta Biochimica Polonica</i> , <b>2019</b> , 66, 321-327	2	2
20	Evaluation of a milk ELISA as an alternative to a serum ELISA in the determination of the prevalence and incidence of brucellosis in dairy herds in Hubei Province, China. <i>Preventive Veterinary Medicine</i> , <b>2020</b> , 182, 105086	3.1	2
19	Comparative Secretome Analyses of Virulent and Attenuated Strains Revealed MbovP0145 as a Promising Diagnostic Biomarker. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 666769	3.1	2
18	An epidemiological study of brucellosis on mainland China during 2004-2018. <i>Transboundary and Emerging Diseases</i> , <b>2021</b> , 68, 2353-2363	4.2	2
17	Cryptosporidiosis outbreak caused by <i>Cryptosporidium parvum</i> subtype IIdA20G1 in neonatal calves. <i>Transboundary and Emerging Diseases</i> , <b>2021</b> ,	4.2	2
16	Differential nitric oxide induced by <i>Mycobacterium bovis</i> and BCG leading to dendritic cells apoptosis in a caspase dependent manner. <i>Microbial Pathogenesis</i> , <b>2020</b> , 149, 104303	3.8	1
15	Bovine herpesvirus 1 tegument protein plays critical roles in viral secondary envelopment and cell-to-cell spreading. <i>Oncotarget</i> , <b>2017</b> , 8, 94462-94480	3.3	1
14	Serological detection of <i>Mycobacterium Tuberculosis</i> complex infection in multiple hosts by One Universal ELISA. <i>PLoS ONE</i> , <b>2021</b> , 16, e0257920	3.7	1
13	Light-Regulated Natural Fluorescence of the PCC 6803@ZIF-8 Composite as an Encoded Microsphere for the Detection of Multiple Biomarkers. <i>ACS Sensors</i> , <b>2021</b> , 6, 2574-2583	9.2	1
12	Use of Rv0222-Rv2657c-Rv1509 Fusion Protein to Improve the Accuracy of an Antibody ELISA for Extra-Pulmonary Tuberculosis in Humans. <i>Pathogens</i> , <b>2021</b> , 10,	4.5	1
11	N-Methyladenosine-Modified circRNA in the Bovine Mammary Epithelial Cells Injured by and .. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 873330	8.4	1
10	Sensitive and Specific Detection of Lumpy Skin Disease Virus in Cattle by CRISPR-Cas12a Fluorescent Assay Coupled with Recombinase Polymerase Amplification. <i>Genes</i> , <b>2022</b> , 13, 734	4.2	1
9	Small RNA Profiling in Provides Insights Into Stress Adaptability. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 752537	5.7	0
8	Key issues affecting the current status of infectious diseases in Chinese cattle farms and their control through vaccination. <i>Vaccine</i> , <b>2021</b> , 39, 4184-4189	4.1	0
7	An abattoir-based study on the prevalence of bovine tuberculosis from culled adult dairy cows in Wuhan, China. <i>Preventive Veterinary Medicine</i> , <b>2021</b> , 196, 105477	3.1	0
6	N-Methyladenosine Modification Profile in Bovine Mammary Epithelial Cells Treated with Heat-Inactivated .. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2022</b> , 2022, 1704172	6.7	0

5	Comparative Analysis on Proteomics Profiles of Intracellular and Extracellular and BCG From Infected Human Macrophages.. <i>Frontiers in Genetics</i> , <b>2022</b> , 13, 847838	4.5	○
4	Regularity of Toll-Like Receptors in Bovine Mammary Epithelial Cells Induced by .. <i>Frontiers in Veterinary Science</i> , <b>2022</b> , 9, 846700	3.1	○
3	MicroRNA Profile of MA-104 Cell Line Associated With the Pathogenesis of Bovine Rotavirus Strain Circulated in Chinese Calves.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 854348	5.7	○
2	Different rabies outbreaks on two beef cattle farms in the same province of China: Diagnosis, virus characterization and epidemiological analysis. <i>Transboundary and Emerging Diseases</i> , <b>2021</b> , 68, 1216-1228	4.2	○
1	Rv0309 Dampens the Inflammatory Response and Enhances Mycobacterial Survival.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 829410	8.4	○