

Xiangru Wang

List of Publications by Year in descending order

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75
papers

1,450
citations

411340

20
h-index

445137

33
g-index

78
all docs

78
docs citations

78
times ranked

1570
citing authors

#	ARTICLE	IF	CITATIONS
1	Long Non-coding Antisense RNA DDIT4-AS1 Regulates Meningitic Escherichia coli-Induced Neuroinflammation by Promoting DDIT4 mRNA Stability. <i>Molecular Neurobiology</i> , 2022, 59, 1351-1365.	1.9	3
2	A temperate <i>Siphoviridae</i> bacteriophage isolate from Siberian tiger enhances the virulence of methicillin-resistant <i>Staphylococcus aureus</i> through distinct mechanisms. <i>Virulence</i> , 2022, 13, 137-148.	1.8	10
3	Long non-coding RNA lncC11orf54-1 modulates neuroinflammatory responses by activating NF- κ B signaling during meningitic Escherichia coli infection. <i>Molecular Brain</i> , 2022, 15, 4.	1.3	4
4	Meningitic Escherichia coli-Induced Interleukin-17A Facilitates Blood-Brain Barrier Disruption via Inhibiting Proteinase 3/Protease-Activated Receptor 2 Axis. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 814867.	1.8	3
5	Antimicrobial resistance and population genomics of multidrug-resistant Escherichia coli in pig farms in mainland China. <i>Nature Communications</i> , 2022, 13, 1116.	5.8	46
6	Phenotypic and Genotypic Characterization of Multidrug-Resistant Enterobacter hormaechei Carrying <i>qnrS</i> Gene Isolated from Chicken Feed in China. <i>Microbiology Spectrum</i> , 2022, 10, e0251821.	1.2	2
7	The Epidemiology and Variation in Pseudorabies Virus: A Continuing Challenge to Pigs and Humans. <i>Viruses</i> , 2022, 14, 1463.	1.5	18
8	Identification of an anti-virulence drug that reverses antibiotic resistance in multidrug resistant bacteria. <i>Biomedicine and Pharmacotherapy</i> , 2022, 153, 113334.	2.5	5
9	A Novel Human Acute Encephalitis Caused by Pseudorabies Virus Variant Strain. <i>Clinical Infectious Diseases</i> , 2021, 73, e3690-e3700.	2.9	144
10	RcsB-dependent regulation of type VI secretion system in porcine extra-intestinal pathogenic Escherichia coli. <i>Gene</i> , 2021, 768, 145289.	1.0	6
11	Reply to Kitaura and Okamoto. <i>Clinical Infectious Diseases</i> , 2021, 72, e693-e694.	2.9	1
12	Resveratrol Attenuates Meningitic Escherichia coli-Mediated Blood-Brain Barrier Disruption. <i>ACS Infectious Diseases</i> , 2021, 7, 777-789.	1.8	13
13	Sialylated Lipooligosaccharide Contributes to <i>Glaesserella parasuis</i> Penetration of Porcine Respiratory Epithelial Barrier. <i>ACS Infectious Diseases</i> , 2021, 7, 661-671.	1.8	5
14	Effective Antibacterial and Antihemolysin Activities of Ellipticine Hydrochloride against <i>Streptococcus suis</i> in a Mouse Model. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	7
15	Virus-encoded microRNA-M7 restricts early cytolytic replication and pathogenesis of Marek's disease virus. <i>Veterinary Microbiology</i> , 2021, 259, 109082.	0.8	7
16	Baicalein Ameliorates <i>Streptococcus suis</i> -Induced Infection In Vitro and In Vivo. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5829.	1.8	6
17	Three novel immunogenic proteins determined through 2-Dimensional electrophoresis and mass spectrometry with immune serum confer protection against challenge with porcine <i>Pasteurella multocida</i> in mouse models. <i>Research in Veterinary Science</i> , 2021, 136, 303-309.	0.9	4
18	miR-155 and miR-146a collectively regulate meningitic Escherichia coli infection-mediated neuroinflammatory responses. <i>Journal of Neuroinflammation</i> , 2021, 18, 114.	3.1	13

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19	LncRSPH9-4 Facilitates Meningitic Escherichia coli-Caused Blood-Brain Barrier Disruption via miR-17-5p/MMP3 Axis. International Journal of Molecular Sciences, 2021, 22, 6343.	1.8	10
20	Activity of Oritavancin and Its Synergy with Other Antibiotics against Mycobacterium abscessus Infection In Vitro and In Vivo. International Journal of Molecular Sciences, 2021, 22, 6346.	1.8	4
21	Attenuation of Mycoplasma hyopneumoniae Strain ES-2 and Comparative Genomic Analysis of ES-2 and Its Attenuated Form ES-2L. Frontiers in Veterinary Science, 2021, 8, 696262.	0.9	1
22	Prevalence and Molecular Characterization of Antimicrobial-Resistant Escherichia coli in Pig Farms, Slaughterhouses, and Terminal Markets in Henan Province of China. Foodborne Pathogens and Disease, 2021, 18, 733-743.	0.8	8
23	Non-coding RNAs: the extensive and interactive regulators of the blood-brain barrier permeability. RNA Biology, 2021, 18, 108-116.	1.5	24
24	Meningitic Escherichia coli α -hemolysin aggravates blood-brain barrier disruption via targeting TGF β 1-triggered hedgehog signaling. Molecular Brain, 2021, 14, 116.	1.3	9
25	Evaluation of the immunoprotective effects of IF-2 GTPase and SSU05-1022 as a candidate for a Streptococcus suis subunit vaccine. Future Microbiology, 2021, 16, 721-729.	1.0	3
26	Characteristics of colistin-resistant Escherichia coli from pig farms in Central China. Animal Diseases, 2021, 1, .	0.6	3
27	Transcriptome Differences in Pig Tracheal Epithelial Cells in Response to Pasteurella Multocida Infection. Frontiers in Veterinary Science, 2021, 8, 682514.	0.9	7
28	MiR-495 regulates cellular ROS levels by targeting sod2 to inhibit intracellular survival of Mycobacterium tuberculosis in macrophages. Infection and Immunity, 2021, 89, e0031521.	1.0	5
29	Astrocyte-Derived TGF β 2 Facilitates Blood-Brain Barrier Function via Non-Canonical Hedgehog Signaling in Brain Microvascular Endothelial Cells. Brain Sciences, 2021, 11, 77.	1.1	14
30	Cleavage of E-cadherin by porcine respiratory bacterial pathogens facilitates airway epithelial barrier disruption and bacterial paracellular transmigration. Virulence, 2021, 12, 2296-2313.	1.8	7
31	Longitudinal Surveillance and Risk Assessment of Resistance in Escherichia coli to Enrofloxacin from A Large-Scale Chicken Farm in Hebei, China. Antibiotics, 2021, 10, 1222.	1.5	2
32	Virulence Comparison of Salmonella enterica Subsp. enterica Isolates from Chicken and Whole Genome Analysis of the High Virulent Strain S. Enteritidis 211. Microorganisms, 2021, 9, 2239.	1.6	7
33	Enrofloxacin Promotes Plasmid-Mediated Conjugation Transfer of Fluoroquinolone-Resistance Gene qnrS. Frontiers in Microbiology, 2021, 12, 773664.	1.5	5
34	Enniatin A1, A Natural Compound with Bactericidal Activity against Mycobacterium tuberculosis In Vitro. Molecules, 2020, 25, 38.	1.7	7
35	Orphan response regulator Rv3143 increases antibiotic sensitivity by regulating cell wall permeability in Mycobacterium smegmatis. Archives of Biochemistry and Biophysics, 2020, 692, 108522.	1.4	8
36	Holistic insights into meningitic Escherichia coli infection of astrocytes based on whole transcriptome profiling. Epigenomics, 2020, 12, 1611-1632.	1.0	5

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37	circ_2858 Helps Blood-Brain Barrier Disruption by Increasing VEGFA via Sponging miR-93-5p during Escherichia coli Meningitis. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 22, 708-721.	2.3	19
38	Comparative Genome Analysis of a Pathogenic Erysipelothrix rhusiopathiae Isolate WH13013 from Pig Reveals Potential Genes Involve in Bacterial Adaptions and Pathogenesis. <i>Veterinary Sciences</i> , 2020, 7, 74.	0.6	4
39	Repurposing Ellipticine Hydrochloride to Combat Colistin-Resistant Extraintestinal Pathogenic E. coli (ExPEC). <i>Frontiers in Microbiology</i> , 2020, 11, 806.	1.5	6
40	CRISPR-cas3 of Salmonella Upregulates Bacterial Biofilm Formation and Virulence to Host Cells by Targeting Quorum-Sensing Systems. <i>Pathogens</i> , 2020, 9, 53.	1.2	56
41	Effect of O antigen ligase gene mutation on oxidative stress resistance and pathogenicity of NMEC strain RS218. <i>Microbial Pathogenesis</i> , 2019, 136, 103656.	1.3	9
42	A Marker-Free Bordetella bronchiseptica aroA/bscN Double Deleted Mutant Confers Protection Against Lethal Challenge. <i>Vaccines</i> , 2019, 7, 176.	2.1	3
43	Characteristics of Carbapenem-Resistant and Colistin-Resistant Escherichia coli Co-Producing NDM-1 and MCR-1 from Pig Farms in China. <i>Microorganisms</i> , 2019, 7, 482.	1.6	33
44	Pasteurella multocida: Genotypes and Genomics. <i>Microbiology and Molecular Biology Reviews</i> , 2019, 83, .	2.9	100
45	Characterization of multiple type-VI secretion system (T6SS) VgrG proteins in the pathogenicity and antibacterial activity of porcine extra-intestinal pathogenic <i>Escherichia coli</i> . <i>Virulence</i> , 2019, 10, 118-132.	1.8	32
46	Characteristics of a Colistin-Resistant Escherichia coli ST695 Harboring the Chromosomally-Encoded mcr-1 Gene. <i>Microorganisms</i> , 2019, 7, 558.	1.6	19
47	Porcine Alveolar Macrophagesâ€™ Nitric Oxide Synthase-Mediated Generation of Nitric Oxide Exerts Important Defensive Effects against Glaesserella parasuis Infection. <i>Pathogens</i> , 2019, 8, 234.	1.2	0
48	O-serogroups, virulence genes, antimicrobial susceptibility, and MLST genotypes of Shiga toxin-producing Escherichia coli from swine and cattle in Central China. <i>BMC Veterinary Research</i> , 2019, 15, 427.	0.7	27
49	Meningitic Escherichia coli Induction of ANGPTL4 in Brain Microvascular Endothelial Cells Contributes to Bloodâ€“Brain Barrier Disruption via ARHGAP5/RhoA/MYL5 Signaling Cascade. <i>Pathogens</i> , 2019, 8, 254.	1.2	8
50	Decrease of miR-19b-3p in Brain Microvascular Endothelial Cells Attenuates Meningitic Escherichia coli-Induced Neuroinflammation via TNFAIP3-Mediated NF- κ B Inhibition. <i>Pathogens</i> , 2019, 8, 268.	1.2	13
51	Development and application of an antibody detection ELISA for Haemophilus parasuis based on a monomeric autotransporter passenger domain. <i>BMC Veterinary Research</i> , 2019, 15, 436.	0.7	4
52	pHâ€“Responsive, Lightâ€“Triggered onâ€“Demand Antibiotic Release from Functional Metalâ€“Organic Framework for Bacterial Infection Combination Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1800011.	7.8	137
53	Binding of Fibronectin to SsPepO Facilitates the Development of Streptococcus suis Meningitis. <i>Journal of Infectious Diseases</i> , 2018, 217, 973-982.	1.9	16
54	Haemophilus parasuis CpxRA two-component system confers bacterial tolerance to environmental stresses and macrolide resistance. <i>Microbiological Research</i> , 2018, 206, 177-185.	2.5	22

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55	Circular RNA Transcriptomic Analysis of Primary Human Brain Microvascular Endothelial Cells Infected with Meningitic <i>Escherichia coli</i> . <i>Molecular Therapy - Nucleic Acids</i> , 2018, 13, 651-664.	2.3	21
56	<i>Haemophilus parasuis</i> α -2,3-sialyltransferase-mediated lipooligosaccharide sialylation contributes to bacterial pathogenicity. <i>Virulence</i> , 2018, 9, 1247-1262.	1.8	12
57	Improvement in the efficiency of natural transformation of <i>Haemophilus parasuis</i> by shuttle-plasmid methylation. <i>Plasmid</i> , 2018, 98, 8-14.	0.4	12
58	Fisetin Lowers <i>Streptococcus suis</i> serotype 2 Pathogenicity in Mice by Inhibiting the Hemolytic Activity of Sulysin. <i>Frontiers in Microbiology</i> , 2018, 9, 1723.	1.5	20
59	Transactivated Epidermal Growth Factor Receptor Recruitment of α -actinin-4 From F-actin Contributes to Invasion of Brain Microvascular Endothelial Cells by Meningitic <i>Escherichia coli</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 448.	1.8	20
60	Characterization and distinction of two flagellar systems in extraintestinal pathogenic <i>Escherichia coli</i> PCN033. <i>Microbiological Research</i> , 2017, 196, 69-79.	2.5	13
61	Comparative Proteomics Analysis of Human Macrophages Infected with Virulent <i>Mycobacterium bovis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 65.	1.8	25
62	Polyphosphate Kinase Mediates Antibiotic Tolerance in Extraintestinal Pathogenic <i>Escherichia coli</i> PCN033. <i>Frontiers in Microbiology</i> , 2016, 7, 724.	1.5	13
63	Differential transcription profiles of long non-coding RNAs in primary human brain microvascular endothelial cells in response to meningitic <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2016, 6, 38903.	1.6	40
64	Roles of Hcp family proteins in the pathogenesis of the porcine extraintestinal pathogenic <i>Escherichia coli</i> type VI secretion system. <i>Scientific Reports</i> , 2016, 6, 26816.	1.6	27
65	Effect of <i>kpsM</i> on the virulence of porcine extraintestinal pathogenic <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2016, 363, fnw232.	0.7	9
66	Complete genome sequence and characterization of avian pathogenic <i>Escherichia coli</i> field isolate ACN001. <i>Standards in Genomic Sciences</i> , 2016, 11, 13.	1.5	9
67	Effect of the glycosyltransferases on the capsular polysaccharide synthesis of <i>Streptococcus suis</i> serotype 2. <i>Microbiological Research</i> , 2016, 185, 45-54.	2.5	25
68	ClpP participates in stress tolerance and negatively regulates biofilm formation in <i>Haemophilus parasuis</i> . <i>Veterinary Microbiology</i> , 2016, 182, 141-149.	0.8	34
69	Sphingosine 1-Phosphate Activation of EGFR As a Novel Target for Meningitic <i>Escherichia coli</i> Penetration of the Blood-Brain Barrier. <i>PLoS Pathogens</i> , 2016, 12, e1005926.	2.1	41
70	Induction of VEGFA and Snail-1 by meningitic <i>Escherichia coli</i> mediates disruption of the blood-brain barrier. <i>Oncotarget</i> , 2016, 7, 63839-63855.	0.8	54
71	Virulence determinants, antimicrobial susceptibility, and molecular profiles of <i>Erysipelothrix rhusiopathiae</i> strains isolated from China. <i>Emerging Microbes and Infections</i> , 2015, 4, 1-5.	3.0	20
72	Genome analysis and in vivo virulence of porcine extraintestinal pathogenic <i>Escherichia coli</i> strain PCN033. <i>BMC Genomics</i> , 2015, 16, 717.	1.2	63

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73	Plasmid-mediated multidrug resistance and virulence in an avian pathogenic <i>Escherichia coli</i> strain isolated in China. <i>Journal of Global Antimicrobial Resistance</i> , 2014, 2, 57-58.	0.9	8
74	Polysaccharide biosynthesis protein CapD is a novel pathogenicity-associated determinant of <i>Haemophilus parasuis</i> involved in serum-resistance ability. <i>Veterinary Microbiology</i> , 2013, 164, 184-189.	0.8	36
75	Identification and analysis of potential virulence-associated genes in <i>Haemophilus parasuis</i> based on genomic subtraction. <i>Microbial Pathogenesis</i> , 2011, 51, 291-296.	1.3	13