Fang Tang

List of Publications by Year
in descending order

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45 papers	824 citations	567281 15 h-index	526287 27 g-index
46 all docs	46 docs citations	46 times ranked	899 citing authors

#	Article	IF	Citations
1	Humoral regulation of physiological sleep: cytokines and GHRH. Journal of Sleep Research, 1999, 8, 53-59.	3.2	193
2	Rapid and accurate detection of Escherichia coli O157:H7 in beef using microfluidic wax-printed paper-based ELISA. Analyst, The, 2020, 145, 3106-3115.	3.5	72
3	Comparative genomic analysis of twelve Streptococcus suis (pro)phages. Genomics, 2013, 101, 336-344.	2.9	41
4	Isolation and characterization of a broad-spectrum phage of multiple drug resistant Salmonella and its therapeutic utility in mice. Microbial Pathogenesis, 2019, 126, 193-198.	2.9	36
5	Rethinking phage-bacteria-eukaryotic relationships and their influence on human health. Cell Host and Microbe, 2021, 29, 681-688.	11.0	36
6	A Novel PhoP/PhoQ Regulation Pathway Modulates the Survival of Extraintestinal Pathogenic Escherichia coli in Macrophages. Frontiers in Immunology, 2018, 9, 788.	4.8	32
7	Population structure and antimicrobial resistance traits of avianâ€origin mcrâ€1 â€positive Escherichia coli in Eastern China, 2015 to 2017. Transboundary and Emerging Diseases, 2019, 66, 1920-1929.	3.0	30
8	Acetate metabolic requirement of avian pathogenic Escherichia coli promotes its intracellular proliferation within macrophage. Veterinary Research, 2019, 50, 31.	3.0	26
9	Chickenâ€source Escherichia coli within phylogroup F shares virulence genotypes and is closely related to extraintestinal pathogenic E. coli causing human infections. Transboundary and Emerging Diseases, 2021, 68, 880-895.	3.0	26
10	Novel Host Recognition Mechanism of the K1 Capsule-Specific Phage of Escherichia coli : Capsular Polysaccharide as the First Receptor and Lipopolysaccharide as the Secondary Receptor. Journal of Virology, 2021, 95, e0092021.	3.4	24
11	Avian-source mcr-1-positive Escherichia coli is phylogenetically diverse and shares virulence characteristics with E. coli causing human extra-intestinal infections. Veterinary Microbiology, 2019, 239, 108483.	1.9	20
12	Prophage Lysin Ply30 Protects Mice from Streptococcus suis and Streptococcus equi subsp. zooepidemicus Infections. Applied and Environmental Microbiology, 2015, 81, 7377-7384.	3.1	19
13	Prophage phiv142-3 enhances the colonization and resistance to environmental stresses of avian pathogenic Escherichia coli. Veterinary Microbiology, 2018, 218, 70-77.	1.9	18
14	Microencapsulated phages show prolonged stability in gastrointestinal environments and high therapeutic efficiency to treat Escherichia coli O157:H7 infection. Veterinary Research, 2021, 52, 118.	3.0	18
15	Iron-regulated gene ireA in avian pathogenic Escherichia coli participates in adhesion and stress-resistance. BMC Veterinary Research, 2016, 12, 167.	1.9	17
16	Fast and Highly Sensitive Detection of Pathogens Wreathed with Magnetic Nanoparticles Using Dark-Field Microscopy. ACS Sensors, 2018, 3, 2175-2181.	7.8	17
17	The effects of upaB deletion and the double/triple deletion of upaB, aatA, and aatB genes on pathogenicity of avian pathogenic Escherichia coli. Applied Microbiology and Biotechnology, 2015, 99, 10639-10654.	3.6	16
18	AutA and AutR, Two Novel Global Transcriptional Regulators, Facilitate Avian Pathogenic Escherichia coli Infection. Scientific Reports, 2016, 6, 25085.	3.3	15

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19	Lysogenic Streptococcus suis Isolate SS2-4 Containing Prophage SMP Showed Increased Mortality in Zebra Fish Compared to the Wild-Type Isolate. PLoS ONE, 2013, 8, e54227.	2.5	15
20	Immunoproteomic analysis of bacterial proteins of Actinobacillus pleuropneumoniae serotype 1. Proteome Science, 2011, 9, 32.	1.7	14
21	Ultrasensitive and rapid count of Escherichia coli using magnetic nanoparticle probe under dark-field microscope. BMC Microbiology, 2018, 18, 100.	3.3	14
22	Mechanisms of interactions between bacteria and bacteriophage mediate by quorum sensing systems. Applied Microbiology and Biotechnology, 2022, 106, 2299-2310.	3.6	13
23	Facile construction of a molecularly imprinted polymerâ€“based electrochemical sensor for the detection of milk amyloid A. Mikrochimica Acta, 2020, 187, 642.	5.0	12
24	IbeR Facilitates Stress-Resistance, Invasion and Pathogenicity of Avian Pathogenic Escherichia coli. PLoS ONE, 2015, 10, e0119698.	2.5	10
25	Comparative genomic analysis of 127 Escherichia coli strains isolated from domestic animals with diarrhea in China. BMC Genomics, 2019, 20, 212.	2.8	10
26	Prophage phiv205-1 facilitates biofilm formation and pathogenicity of avian pathogenic Escherichia coli strain DE205B. Veterinary Microbiology, 2020, 247, 108752.	1.9	9
27	Phage Cocktail Targeting STEC O157:H7 Has Comparable Efficacy and Superior Recovery Compared with Enrofloxacin in an Enteric Murine Model. Microbiology Spectrum, 2022, 10, e0023222.	3.0	9
28	The YfcO fimbriae gene enhances adherence and colonization abilities of avian pathogenic Escherichia coli inÂvivo and inÂvitro. Microbial Pathogenesis, 2016, 100, 56-61.	2.9	7
29	orf20 in prophage phiv142-3 contributes to the adhesion and colonization ability of avian pathogenic Escherichia coli strain DE142 by affecting the formation of flagella and I fimbriae. Veterinary Microbiology, 2019, 235, 301-309.	1.9	6
30	AÂmolecule capturer analysis system for visual determination of avian pathogenic Escherichia coli serotype O78 using a lateral flow assay. Mikrochimica Acta, 2020, 187, 198.	5.0	6
31	VscF in T3SS1 Helps to Translocate VPA0226 in Vibrio parahaemolyticus. Frontiers in Cellular and Infection Microbiology, 2021, 11, 652432.	3.9	6
32	orf6 and orf10 in Prophage phiv142-3 Enhance the Iron-Acquisition Ability and Resistance of Avian Pathogenic Escherichia coli Strain DE142 to Serum. Frontiers in Veterinary Science, 2020, 7, 588708.	2.2	5
33	Multivalent nanobodyâ€“biotin amplified enzyme-linked immunosorbent assay for the environmental detection of 3-phenoxybenzoic acid. Analytical Methods, 2021, 13, 5247-5253.	2.7	5
34	Functional Mechanism of Antimicrobial Peptide Bomidin and Its Safety for Macrobrachium rosenbergii. Probiotics and Antimicrobial Proteins, 2022, 14, 169-179.	3.9	5
35	Identification of ireA, 0007, 0008, and 2235 as TonB-dependent receptors in the avian pathogenic Escherichia coli strain DE205B. Veterinary Research, 2020, 51, 5.	3.0	4
36	Multivalent nanobody as capture antibody-based enzyme linked immunosorbent assay for detection of 3-phenoxybenzoic acid in urine. Analytical Biochemistry, 2021, 632, 114390.	2.4	3

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37	Development of a sensitive chicken IgY-based enzyme-linked immunosorbent assay for detection of mebendazole in pork and mutton. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2022, 57, 47-53.	1.5	3
38	Complete Genome Sequence of T4-Like Escherichia coli Bacteriophage HX01. Journal of Virology, 2012, 86, 13871-13871.	3.4	2
39	Complete Genome Sequence of the Streptococcus suis Temperate Bacteriophage Ï•NJ2. Genome Announcements, 2013, 1, .	0.8	2
40	Factor H Is Bound by Outer Membrane-Displayed Carbohydrate Metabolism Enzymes of Extraintestinal Pathogenic Escherichia coli and Contributes to Opsonophagocytosis Resistance in Bacteria. Frontiers in Cellular and Infection Microbiology, 2020, 10, 592906.	3.9	2
41	A novel lysin Ply1228 provides efficient protection against Streptococcus suis type 2 infection in a murine bacteremia model. Veterinary Microbiology, 2022, 268, 109425.	1.9	2
42	Comparative transcriptomic analysis provides insights into transcription mechanisms of Vibrio parahaemolyticus T3SS during interaction with HeLa cells. Brazilian Journal of Microbiology, 2022, 53, 289-301.	2.0	1
43	Extraintestinal Pathogenic Escherichia coli Utilizes Surface-Located Elongation Factor G to Acquire Iron from Holo-Transferrin. Microbiology Spectrum, 2022, 10, e0166221.	3.0	1
44	Extraintestinal pathogenic Escherichia coli utilizes the surface-expressed elongation factor Tu to bind and acquire iron from holo-transferrin. Virulence, 2022, 13, 698-713.	4.4	1
45	Guanylate-Binding protein 2b regulates the AMPK/mTOR/ULK1 signalling pathway to induce autophagy during Mycobacterium bovis infection. Virulence, 2022, 13, 875-889.	4.4	1