

# Chen Tan

## List of Publications by Citations

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67  
papers

625  
citations

16  
h-index

21  
g-index

72  
ext. papers

899  
ext. citations

4.8  
avg, IF

3.59  
L-index

#	Paper	IF	Citations
67	Genome analysis and in vivo virulence of porcine extraintestinal pathogenic <i>Escherichia coli</i> strain PCN033. <i>BMC Genomics</i> , <b>2015</b> , 16, 717	4.5	50
66	Serotypes and virulence genes of extraintestinal pathogenic <i>Escherichia coli</i> isolates from diseased pigs in China. <i>Veterinary Journal</i> , <b>2012</b> , 192, 483-8	2.5	30
65	Induction of VEGFA and Snail-1 by meningitic <i>Escherichia coli</i> mediates disruption of the blood-brain barrier. <i>Oncotarget</i> , <b>2016</b> , 7, 63839-63855	3.3	29
64	The two-component system NisK/NisR contributes to the virulence of <i>Streptococcus suis</i> serotype 2. <i>Microbiological Research</i> , <b>2014</b> , 169, 541-6	5.3	28
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> , <b>2016</b> , 6, 38903	4.9	28
62	Development of a multiplex TaqMan probe-based real-time PCR for discrimination of variant and classical porcine epidemic diarrhea virus. <i>Journal of Virological Methods</i> , <b>2014</b> , 206, 150-5	2.6	23
61	Cloning, expression and characterization of a cell wall surface protein, 6-phosphogluconate-dehydrogenase, of <i>Streptococcus suis</i> serotype 2. <i>Veterinary Microbiology</i> , <b>2008</b> , 130, 363-70	3.3	22
60	The key virulence-associated genes of <i>Streptococcus suis</i> type 2 are upregulated and differentially expressed in vivo. <i>FEMS Microbiology Letters</i> , <b>2008</b> , 278, 108-14	2.9	20
59	Diversified variants of the mcr-1-carrying plasmid reservoir in the swine lung microbiota. <i>Science China Life Sciences</i> , <b>2016</b> , 59, 971-3	8.5	20
58	<i>Actinobacillus pleuropneumoniae</i> two-component system QseB/QseC regulates the transcription of PilM, an important determinant of bacterial adherence and virulence. <i>Veterinary Microbiology</i> , <b>2015</b> , 177, 184-92	3.3	19
57	Unexpected complexity of multidrug resistance in the mcr-1-harboring <i>Escherichia coli</i> . <i>Science China Life Sciences</i> , <b>2016</b> , 59, 732-4	8.5	19
56	Genomic characterization of <i>Pasteurella multocida</i> HB01, a serotype A bovine isolate from China. <i>Gene</i> , <b>2016</b> , 581, 85-93	3.8	18
55	TolC promotes ExPEC biofilm formation and curli production in response to medium osmolarity. <i>BioMed Research International</i> , <b>2014</b> , 2014, 574274	3	18
54	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> , <b>2016</b> , 6, 26816	4.9	18
53	Effect of the glycosyltransferases on the capsular polysaccharide synthesis of <i>Streptococcus suis</i> serotype 2. <i>Microbiological Research</i> , <b>2016</b> , 185, 45-54	5.3	17
52	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
51	Genome sequence of a porcine extraintestinal pathogenic <i>Escherichia coli</i> strain. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 5038	3.5	16

50	EGFR transactivation contributes to neuroinflammation in Streptococcus suis meningitis. <i>Journal of Neuroinflammation</i> , <b>2016</b> , 13, 274	10.1	15
49	Vaccination with Streptococcus suis serotype 2 recombinant 6PGD protein provides protection against S. suis infection in swine. <i>FEMS Microbiology Letters</i> , <b>2009</b> , 296, 78-83	2.9	13
48	Characterization of multiple type-VI secretion system (T6SS) VgrG proteins in the pathogenicity and antibacterial activity of porcine extra-intestinal pathogenic Escherichia coli. <i>Virulence</i> , <b>2019</b> , 10, 118-132	4.7	12
47	Construction, characterization and evaluation of the protective efficacy of the Streptococcus suis double mutant strain $\beta$ SsPep/ $\beta$ SsPspC as a live vaccine candidate in mice. <i>Microbiological Research</i> , <b>2015</b> , 170, 87-94	5.3	11
46	circ_2858 Helps Blood-Brain Barrier Disruption by Increasing VEGFA via Sponging miR-93-5p during Meningitis. <i>Molecular Therapy - Nucleic Acids</i> , <b>2020</b> , 22, 708-721	10.7	11
45	Circular RNA Transcriptomic Analysis of Primary Human Brain Microvascular Endothelial Cells Infected with Meningitic Escherichia coli. <i>Molecular Therapy - Nucleic Acids</i> , <b>2018</b> , 13, 651-664	10.7	11
44	Fisetin Lowers serotype 2 Pathogenicity in Mice by Inhibiting the Hemolytic Activity of Suilysin. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1723	5.7	10
43	Transactivated Epidermal Growth Factor Receptor Recruitment of $\beta$ Actinin-4 From F-actin Contributes to Invasion of Brain Microvascular Endothelial Cells by Meningitic. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2018</b> , 8, 448	5.9	10
42	Complete genome sequence and characterization of avian pathogenic Escherichia coli field isolate ACN001. <i>Standards in Genomic Sciences</i> , <b>2016</b> , 11, 13		9
41	Polyphosphate Kinase Mediates Antibiotic Tolerance in Extraintestinal Pathogenic Escherichia coli PCN033. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 724	5.7	9
40	Binding of Fibronectin to SsPepO Facilitates the Development of Streptococcus suis Meningitis. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 217, 973-982	7	8
39	Plasmid-mediated multidrug resistance and virulence in an avian pathogenic Escherichia coli strain isolated in China. <i>Journal of Global Antimicrobial Resistance</i> , <b>2014</b> , 2, 57-58	3.4	8
38	Decrease of miR-19b-3p in Brain Microvascular Endothelial Cells Attenuates Meningitic -Induced Neuroinflammation via TNFAIP3-Mediated NF- $\kappa$ B Inhibition. <i>Pathogens</i> , <b>2019</b> , 8,	4.5	8
37	Effect of kpsM on the virulence of porcine extraintestinal pathogenic Escherichia coli. <i>FEMS Microbiology Letters</i> , <b>2016</b> , 363,	2.9	7
36	SsPep contributes to the virulence of Streptococcus suis. <i>Microbial Pathogenesis</i> , <b>2011</b> , 51, 319-24	3.8	7
35	Recent Proceedings on Prevalence and Pathogenesis of. <i>Current Issues in Molecular Biology</i> , <b>2019</b> , 32, 473-520	2.9	6
34	Facilitates Meningitic -Caused Blood-Brain Barrier Disruption via $\beta$ /MMP3 Axis. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	6
33	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> , <b>2019</b> , 15, 427	2.7	6

32	Characterization and distinction of two flagellar systems in extraintestinal pathogenic <i>Escherichia coli</i> PCN033. <i>Microbiological Research</i> , <b>2017</b> , 196, 69-79	5.3	5
31	The 1910HK/RR two-component system is essential for the virulence of <i>Streptococcus suis</i> serotype 2. <i>Microbial Pathogenesis</i> , <b>2017</b> , 104, 137-145	3.8	4
30	Genetic variation analyses of porcine epidemic diarrhea virus isolated in mid-eastern China from 2011 to 2013. <i>Canadian Journal of Veterinary Research</i> , <b>2015</b> , 79, 8-15	0.5	4
29	Enniatin A1, A Natural Compound with Bactericidal Activity against In Vitro. <i>Molecules</i> , <b>2019</b> , 25,	4.8	4
28	Prevalence and Molecular Characterization of Antimicrobial-Resistant in Pig Farms, Slaughterhouses, and Terminal Markets in Henan Province of China. <i>Foodborne Pathogens and Disease</i> , <b>2021</b> , 18, 733-743	3.8	4
27	Repurposing Ellipticine Hydrochloride to Combat Colistin-Resistant Extraintestinal Pathogenic (ExPEC). <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 806	5.7	3
26	A <i>Streptococcus suis</i> Live Vaccine Suppresses Streptococcal Toxic Shock-Like Syndrome and Provides Sequence Type-Independent Protection. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 219, 448-458	7	3
25	Effect of O antigen ligase gene mutation on oxidative stress resistance and pathogenicity of NMEC strain RS218. <i>Microbial Pathogenesis</i> , <b>2019</b> , 136, 103656	3.8	3
24	Meningitic <i>Escherichia coli</i> Hemolysin aggravates blood-brain barrier disruption via targeting TGF $\beta$ -triggered hedgehog signaling. <i>Molecular Brain</i> , <b>2021</b> , 14, 116	4.5	3
23	Astrocyte-Derived TGF $\beta$ Facilitates Blood-Brain Barrier Function via Non-Canonical Hedgehog Signaling in Brain Microvascular Endothelial Cells. <i>Brain Sciences</i> , <b>2021</b> , 11,	3.4	3
22	Antimicrobial resistance and population genomics of multidrug-resistant <i>Escherichia coli</i> in pig farms in mainland China.. <i>Nature Communications</i> , <b>2022</b> , 13, 1116	17.4	3
21	Immunogenicity and cross-protective efficacy of double-mutant <i>Streptococcus suis</i> Bsp $\alpha$ O/Bsp $\alpha$ C serotypes 2 and 7. <i>Vaccine</i> , <b>2019</b> , 37, 2194-2199	4.1	2
20	Auranofin Has Advantages over First-Line Drugs in the Treatment of Severe Infections. <i>Antibiotics</i> , <b>2020</b> , 10,	4.9	2
19	Orphan response regulator Rv3143 increases antibiotic sensitivity by regulating cell wall permeability in <i>Mycobacterium smegmatis</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>2020</b> , 692, 108522	4.1	2
18	Resveratrol Attenuates Meningitic -Mediated Blood-Brain Barrier Disruption. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 777-789	5.5	2
17	Sialylated Lipooligosaccharide Contributes to Penetration of Porcine Respiratory Epithelial Barrier. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 661-671	5.5	2
16	miR-155 and miR-146a collectively regulate meningitic <i>Escherichia coli</i> infection-mediated neuroinflammatory responses. <i>Journal of Neuroinflammation</i> , <b>2021</b> , 18, 114	10.1	2
15	Evaluation of the immunoprotective effects of IF-2 GTPase and SSU05-1022 as a candidate for a subunit vaccine. <i>Future Microbiology</i> , <b>2021</b> , 16, 721-729	2.9	2

14	RcsB-dependent regulation of type VI secretion system in porcine extra-intestinal pathogenic <i>Escherichia coli</i> . <i>Gene</i> , <b>2021</b> , 768, 145289	3.8	2
13	BaeSR activates type VI secretion system expression in porcine extra-intestinal pathogenic <i>Escherichia coli</i> to enhance bacterial resistance to zinc stress. <i>Microbial Pathogenesis</i> , <b>2020</b> , 147, 104357	3.8	1
12	Meningitic -Induced Interleukin-17A Facilitates Blood-Brain Barrier Disruption Inhibiting Proteinase 3/Protease-Activated Receptor 2 Axis.. <i>Frontiers in Cellular Neuroscience</i> , <b>2022</b> , 16, 814867	6.1	1
11	Holistic insights into meningitic infection of astrocytes based on whole transcriptome profiling. <i>Epigenomics</i> , <b>2020</b> , 12, 1611-1632	4.4	1
10	The Tat system and its dependent cell division proteins are critical for virulence of extra-intestinal pathogenic. <i>Virulence</i> , <b>2020</b> , 11, 1279-1292	4.7	1
9	Function of Rhs proteins in porcine extraintestinal pathogenic <i>Escherichia coli</i> PCN033. <i>Journal of Microbiology</i> , <b>2021</b> , 59, 854-860	3	1
8	Cleavage of E-cadherin by porcine respiratory bacterial pathogens facilitates airway epithelial barrier disruption and bacterial paracellular transmigration. <i>Virulence</i> , <b>2021</b> , 12, 2296-2313	4.7	1
7	Attenuation of Strain ES-2 and Comparative Genomic Analysis of ES-2 and Its Attenuated Form ES-2L. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 696262	3.1	0
6	miR-495 Regulates Cellular Reactive Oxygen Species Levels by Targeting To Inhibit Intracellular Survival of <i>Mycobacterium tuberculosis</i> in Macrophages. <i>Infection and Immunity</i> , <b>2021</b> , 89, e0031521	3.7	0
5	The Rcs System Contributes to the Motility Defects of the Twin-Arginine Translocation System Mutant of Extraintestinal Pathogenic <i>Escherichia coli</i> .. <i>Journal of Bacteriology</i> , <b>2022</b> , e0061221	3.5	0
4	MiR-25 blunts autophagy and promotes the survival of by regulating NPC1.. <i>IScience</i> , <b>2022</b> , 25, 104279	6.1	0
3	Long non-coding RNA lncC11orf54-1 modulates neuroinflammatory responses by activating NF- $\kappa$ B signaling during meningitic <i>Escherichia coli</i> infection.. <i>Molecular Brain</i> , <b>2022</b> , 15, 4	4.5	
2	Long Non-coding Antisense RNA DDIT4-AS1 Regulates Meningitic <i>Escherichia coli</i> -Induced Neuroinflammation by Promoting DDIT4 mRNA Stability.. <i>Molecular Neurobiology</i> , <b>2022</b> , 1	6.2	
1	A plant CitPITP1 protein-coding exon sequence serves as a promoter in bacteria. <i>Journal of Biotechnology</i> , <b>2021</b> , 339, 1-13	3.7	