

# Rui Zhou

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6177961/rui-zhou-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

1,112

citations

19

h-index

27

g-index

98

ext. papers

1,659

ext. citations

4.9

avg, IF

4.28

L-index

#	Paper	IF	Citations
88	Genome biology of <i>Actinobacillus pleuropneumoniae</i> JL03, an isolate of serotype 3 prevalent in China. <i>PLoS ONE</i> , <b>2008</b> , 3, e1450	3.7	56
87	An NLRP3 inflammasome-triggered cytokine storm contributes to Streptococcal toxic shock-like syndrome (STSLs). <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1007795	7.6	52
86	SIRT1 suppresses adipogenesis by activating Wnt/ $\beta$ -catenin signaling in vivo and in vitro. <i>Oncotarget</i> , <b>2016</b> , 7, 77707-77720	3.3	52
85	A Fur-like protein PerR regulates two oxidative stress response related operons dpr and metQIN in <i>Streptococcus suis</i> . <i>BMC Microbiology</i> , <b>2012</b> , 12, 85	4.5	41
84	Identification of <i>Streptococcus suis</i> genes preferentially expressed under iron starvation by selective capture of transcribed sequences. <i>FEMS Microbiology Letters</i> , <b>2009</b> , 292, 123-33	2.9	41
83	<i>Pasteurella multocida</i> : Genotypes and Genomics. <i>Microbiology and Molecular Biology Reviews</i> , <b>2019</b> , 83,	13.2	34
82	Identification of three antiviral inhibitors against Japanese encephalitis virus from library of pharmacologically active compounds 1280. <i>PLoS ONE</i> , <b>2013</b> , 8, e78425	3.7	34
81	A novel fibronectin-binding protein of <i>Streptococcus suis</i> serotype 2 contributes to epithelial cell invasion and in vivo dissemination. <i>Veterinary Microbiology</i> , <b>2013</b> , 162, 186-94	3.3	31
80	<i>Haemophilus parasuis</i> induces activation of NF- $\kappa$ B and MAP kinase signaling pathways mediated by toll-like receptors. <i>Molecular Immunology</i> , <b>2015</b> , 65, 360-6	4.3	29
79	Identification of <i>Streptococcus suis</i> serotype 2 genes preferentially expressed in the natural host. <i>International Journal of Medical Microbiology</i> , <b>2010</b> , 300, 482-8	3.7	29
78	Dissemination of antibiotic resistance genes (ARGs) via integrons in <i>Escherichia coli</i> : A risk to human health. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115260	9.3	29
77	Antimicrobial resistances of extraintestinal pathogenic <i>Escherichia coli</i> isolates from swine in China. <i>Microbial Pathogenesis</i> , <b>2011</b> , 50, 207-12	3.8	26
76	Overexpression of Porcine Beta-Defensin 2 Enhances Resistance to <i>Actinobacillus pleuropneumoniae</i> Infection in Pigs. <i>Infection and Immunity</i> , <b>2015</b> , 83, 2836-43	3.7	23
75	Hc-daf-2 encodes an insulin-like receptor kinase in the barber's pole worm, <i>Haemonchus contortus</i> , and restores partial dauer regulation. <i>International Journal for Parasitology</i> , <b>2014</b> , 44, 485-96	4.3	22
74	Magnetic beads-based enzymatic spectrofluorometric assay for rapid and sensitive detection of antibody against ApxIVA of <i>Actinobacillus pleuropneumoniae</i> . <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 35, 390-393	11.8	22
73	Genetic and Phylogenetic Characteristics of Isolates From Different Host Species. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1408	5.7	21
72	Porcine Beta-Defensin 2 Provides Protection Against Bacterial Infection by a Direct Bactericidal Activity and Alleviates Inflammation via Interference With the TLR4/NF- $\kappa$ B Pathway. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1673	8.4	21

71	GidA, a tRNA Modification Enzyme, Contributes to the Growth, and Virulence of <i>Streptococcus suis</i> Serotype 2. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2016</b> , 6, 44	5.9	21
70	Truncation of GdpP mediates $\beta$ -lactam resistance in clinical isolates of <i>Staphylococcus aureus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 1182-1191	5.1	20
69	Naturally nano: synthesis of versatile bio-inspired monodisperse microspheres from <i>Bacillus</i> spores and their applications. <i>Green Chemistry</i> , <b>2016</b> , 18, 186-196	10	19
68	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
67	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
66	Adhesion protein ApfA of <i>Actinobacillus pleuropneumoniae</i> is required for pathogenesis and is a potential target for vaccine development. <i>Vaccine Journal</i> , <b>2013</b> , 20, 287-94		18
65	The Eukaryote-Like Serine/Threonine Kinase STK Regulates the Growth and Metabolism of Zoonotic. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 66	5.9	17
64	Induction of protective immune response against <i>Streptococcus suis</i> serotype 2 infection by the surface antigen HP0245. <i>FEMS Microbiology Letters</i> , <b>2011</b> , 316, 115-22	2.9	17
63	Infection Disrupts Adherens Junctions and Initializes EMT Dependent on Canonical Wnt/ $\beta$ -Catenin Signaling Pathway. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2018</b> , 8, 324	5.9	17
62	Functional characterization of murB-potABCD operon for polyamine uptake and peptidoglycan synthesis in <i>Streptococcus suis</i> . <i>Microbiological Research</i> , <b>2018</b> , 207, 177-187	5.3	16
61	Changes in gene expression of <i>Actinobacillus pleuropneumoniae</i> in response to anaerobic stress reveal induction of central metabolism and biofilm formation. <i>Journal of Microbiology</i> , <b>2014</b> , 52, 473-81	3	16
60	Phenotypic and Genotypic Resistance of <i>Salmonella</i> Isolates from Healthy and Diseased Pigs in China During 2008-2015. <i>Microbial Drug Resistance</i> , <b>2017</b> , 23, 651-659	2.9	15
59	Effects of Environmental and Management-Associated Factors on Prevalence and Diversity of <i>Streptococcus suis</i> in Clinically Healthy Pig Herds in China and the United Kingdom. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	15
58	Targeting TREM-1 Signaling in the Presence of Antibiotics is Effective Against Streptococcal Toxic-Shock-Like Syndrome (STSLs) Caused by <i>Streptococcus suis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2015</b> , 5, 79	5.9	14
57	MsmK, an ATPase, Contributes to Utilization of Multiple Carbohydrates and Host Colonization of <i>Streptococcus suis</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0130792	3.7	14
56	The roles of RelA/(p)ppGpp in glucose-starvation induced adaptive response in the zoonotic <i>Streptococcus suis</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 27169	4.9	14
55	(p)ppGpp synthetases regulate the pathogenesis of zoonotic <i>Streptococcus suis</i> . <i>Microbiological Research</i> , <b>2016</b> , 191, 1-11	5.3	14
54	The involvement of MsmK in pathogenesis of the <i>Streptococcus suis</i> serotype 2. <i>MicrobiologyOpen</i> , <b>2017</b> , 6, e00433	3.4	13

53	Structure-based discovery of two antiviral inhibitors targeting the NS3 helicase of Japanese encephalitis virus. <i>Scientific Reports</i> , <b>2016</b> , 6, 34550	4.9	13
52	Haemophilus parasuis infection activates chemokine RANTES in PK-15 cells. <i>Molecular Immunology</i> , <b>2015</b> , 67, 661-6	4.3	12
51	Exploring the role of two interacting phosphoinositide 3-kinases of Haemonchus contortus. <i>Parasites and Vectors</i> , <b>2014</b> , 7, 498	4	12
50	Catecholamines promote Actinobacillus pleuropneumoniae growth by regulating iron metabolism. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121887	3.7	12
49	Effects of the Fusarium toxin zearalenone (ZEA) and/or deoxynivalenol (DON) on the serum IgA, IgG and IgM levels in mice. <i>Food and Agricultural Immunology</i> , <b>2014</b> , 25, 600-606	2.9	11
48	Porcine defensin 2 inhibits proliferation of pseudorabies virus in vitro and in transgenic mice. <i>Virology Journal</i> , <b>2020</b> , 17, 18	6.1	10
47	Characterization of IgA1 protease as a surface protective antigen of Streptococcus suis serotype 2. <i>Microbes and Infection</i> , <b>2016</b> , 18, 285-9	9.3	10
46	The global emergence of a novel Streptococcus suis clade associated with human infections. <i>EMBO Molecular Medicine</i> , <b>2021</b> , 13, e13810	12	10
45	Antimicrobial resistance phenotypes and genotypes of Streptococcus suis isolated from clinically healthy pigs from 2017 to 2019 in Jiangxi Province, China. <i>Journal of Applied Microbiology</i> , <b>2021</b> , 130, 797-806	4.7	10
44	Molecular characterization of the Haemonchus contortus phosphoinositide-dependent protein kinase-1 gene (Hc-pdk-1). <i>Parasites and Vectors</i> , <b>2016</b> , 9, 65	4	9
43	The Surface-Exposed Protein SntA Contributes to Complement Evasion in Zoonotic. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1063	8.4	9
42	Generation of Marker-Free Knock-in Pigs Using the CRISPR/Cas9 and Cre/loxP Systems. <i>Genes</i> , <b>2020</b> , 11,	4.2	9
41	Haemophilus parasuis infection activates NOD1/2-RIP2 signaling pathway in PK-15 cells. <i>Developmental and Comparative Immunology</i> , <b>2018</b> , 79, 158-165	3.2	9
40	MnmE, a Central tRNA-Modifying GTPase, Is Essential for the Growth, Pathogenicity, and Arginine Metabolism of Serotype 2. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2019</b> , 9, 173	5.9	7
39	Characterization of a novel streptococcal heme-binding protein SntA and its interaction with host antioxidant protein AOP2. <i>Microbial Pathogenesis</i> , <b>2017</b> , 111, 145-155	3.8	7
38	COX-2 mediated crosstalk between Wnt/ $\beta$ -catenin and the NF- $\kappa$ B signaling pathway during inflammatory responses induced by Haemophilus parasuis in PK-15 and NPTr cells. <i>Developmental and Comparative Immunology</i> , <b>2020</b> , 105, 103588	3.2	7
37	Co-regulation of CodY and (p)ppGpp synthetases on morphology and pathogenesis of Streptococcus suis. <i>Microbiological Research</i> , <b>2019</b> , 223-225, 88-98	5.3	6
36	Prevalence, quantification and isolation of pathogenic shiga toxin Escherichia coli O157:H7 along the production and supply chain of pork around Hubei Province of China. <i>Microbial Pathogenesis</i> , <b>2018</b> , 115, 93-99	3.8	6

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	Identification of genes regulated by the two-component system response regulator NarP of <i>Actinobacillus pleuropneumoniae</i> via DNA-affinity-purified sequencing. <i>Microbiological Research</i> , <b>2020</b> , 230, 126343	5.3	6
33	Large-scale genomic analysis of antimicrobial resistance in the zoonotic pathogen <i>Streptococcus suis</i> . <i>BMC Biology</i> , <b>2021</b> , 19, 191	7.3	6
32	Phylogenetic grouping and distribution of virulence genes in <i>Escherichia coli</i> along the production and supply chain of pork around Hubei, China. <i>Journal of Microbiology, Immunology and Infection</i> , <b>2017</b> , 50, 382-385	8.5	5
31	Identification of drug target candidates of the swine pathogen <i>Actinobacillus pleuropneumoniae</i> by construction of protein-protein interaction network. <i>Genes and Genomics</i> , <b>2018</b> , 40, 847-856	2.1	5
30	Characterization of serotypes and virulence genes of <i>Haemophilus parasuis</i> isolates from Central Vietnam. <i>Veterinary Microbiology</i> , <b>2019</b> , 230, 117-122	3.3	4
29	Detection of Viable and Total Bacterial Community in the Pit Mud of Chinese Strong-Flavor Liquor Using Propidium Monoazide Combined With Quantitative PCR and 16S rRNA Gene Sequencing. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 896	5.7	4
28	Structural and developmental expression of Ss-riok-2, an RIO protein kinase encoding gene of <i>Strongyloides stercoralis</i> . <i>Scientific Reports</i> , <b>2017</b> , 7, 8693	4.9	4
27	A Novel Adjuvant "Sublancin" Enhances Immune Response in Specific Pathogen-Free Broiler Chickens Inoculated with Newcastle Disease Vaccine. <i>Journal of Immunology Research</i> , <b>2019</b> , 2019, 1016567	4.5	4
26	Proteomic and Metabolomic Analyses Provide Insights into the Mechanism on Arginine Metabolism Regulated by tRNA Modification Enzymes GidA and MnmE of. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 597408	5.9	3
25	<i>Mycoplasma hyopneumoniae</i> Inhibits Porcine Beta-Defensin 2 Production by Blocking the Unfolded Protein Response To Facilitate Epithelial Adhesion and Infection. <i>Infection and Immunity</i> , <b>2020</b> , 88,	3.7	3
24	Effects of the <i>Fusarium</i> toxin zearalenone and/or deoxynivalenol on the serum IL-1, IL-4, and C3 levels in mice. H. Ren and Y. T. Deng contributed equally to this work and should be considered co-first authors. View all notes. <i>Food and Agricultural Immunology</i> , <b>2016</b> , 27, 414-421	2.9	3
23	Functional genomic exploration reveals that Ss-RIOK-1 is essential for the development and survival of <i>Strongyloides stercoralis</i> larvae. <i>International Journal for Parasitology</i> , <b>2017</b> , 47, 933-940	4.3	3
22	A Transcriptome Map of <i>Actinobacillus pleuropneumoniae</i> at Single-Nucleotide Resolution Using Deep RNA-Seq. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152363	3.7	3
21	Induction of systemic IFITM3 expression does not effectively control foot-and-mouth disease viral infection in transgenic pigs. <i>Veterinary Microbiology</i> , <b>2016</b> , 191, 20-6	3.3	3
20	The roles of flp1 and tadD in <i>Actinobacillus pleuropneumoniae</i> pilus biosynthesis and pathogenicity. <i>Microbial Pathogenesis</i> , <b>2019</b> , 126, 310-317	3.8	3
19	P38 mitogen-activated protein kinase promotes Wnt/ $\beta$ -catenin signaling by impeding Dickkopf-1 expression during <i>Haemophilus parasuis</i> infection. <i>Cytokine</i> , <b>2020</b> , 136, 155287	4	2
18	Pigs Overexpressing Porcine $\beta$ -Defensin 2 Display Increased Resilience to Infection. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	2

17	Streptococcus suis MsmK: Novel Cell Division Protein Interacting with FtsZ and Maintaining Cell Shape. <i>MSphere</i> , <b>2021</b> , 6,	5	2
16	Protein-protein interaction network and potential drug target candidates of Streptococcus suis. <i>Journal of Applied Microbiology</i> , <b>2021</b> , 131, 658-670	4.7	2
15	A Survey of Chinese Pig Farms and Human Healthcare Isolates Reveals Separate Human and Animal Methicillin-Resistant Staphylococcus aureus Populations. <i>Advanced Science</i> , <b>2021</b> , e2103388	13.6	2
14	A temperate bacteriophage isolate from Siberian tiger enhances the virulence of methicillin-resistant through distinct mechanisms.. <i>Virulence</i> , <b>2022</b> , 13, 137-148	4.7	1
13	Green tea polyphenols inhibit growth, pathogenicity and metabolomics profiles of Streptococcus suis.. <i>Microbial Pathogenesis</i> , <b>2022</b> , 164, 105421	3.8	1
12	Identification of FtpA, a Dps-like protein involved in anti-oxidative stress and virulence in. <i>Journal of Bacteriology</i> , <b>2021</b> , JB0032621	3.5	1
11	P38 MAPK pathway regulates the expression of resistin in porcine alveolar macrophages via Ets2 during Haemophilus parasuis stimulation. <i>Developmental and Comparative Immunology</i> , <b>2021</b> , 104327	3.2	1
10	Complement C3aR/C5aR-binding protein Suilysin of Streptococcus suis contributes to monocyte chemotaxis. <i>Veterinary Microbiology</i> , <b>2020</b> , 242, 108599	3.3	1
9	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
8	Emergence of Escherichia coli isolates producing NDM-1 carbapenemase from waterfowls in Hainan island, China. <i>Acta Tropica</i> , <b>2020</b> , 207, 105485	3.2	1
7	Regulation of (p)ppGpp and Its Homologs on Environmental Adaptation, Survival, and Pathogenicity of Streptococci. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1842	5.7	0
6	The Rcs System Contributes to the Motility Defects of the Twin-Arginine Translocation System Mutant of Extraintestinal Pathogenic Escherichia coli.. <i>Journal of Bacteriology</i> , <b>2022</b> , e0061221	3.5	0
5	The Cipher Code of Simple Sequence Repeats in "Vampire Pathogens". <i>Scientific Reports</i> , <b>2015</b> , 5, 12441	4.9	
4	In silico identification of potential drug targets in swine pathogen Haemophilus parasuis. <i>Genes and Genomics</i> , <b>2012</b> , 34, 223-230	2.1	
3	An Engineered Outer Membrane Defective Secreting Protective Antigens against through the Twin-Arginine Translocation Pathway as a Vaccine.. <i>Journal of Microbiology and Biotechnology</i> , <b>2022</b> , 32, 1-8	3.3	
2	Porcine $\beta$ -defensin 2 confers enhanced resistance to swine flu infection in transgenic pigs and alleviates swine influenza virus-induced apoptosis possibly through interacting with host SLC25A4.. <i>Antiviral Research</i> , <b>2022</b> , 201, 105292	10.8	
1	Screening for Virulence-Related Genes via a Transposon Mutant Library of Streptococcus suis Serotype 2 Using a Galleria mellonella Larvae Infection Model. <i>Microorganisms</i> , <b>2022</b> , 10, 868	4.9	