

Jian Gao

List of Publications by Year in descending order

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52
papers

1,646
citations

331538

21
h-index

315616

38
g-index

53
all docs

53
docs citations

53
times ranked

1938
citing authors

#	ARTICLE	IF	CITATIONS
1	The Growing Genetic and Functional Diversity of Extended Spectrum Beta-Lactamases. <i>BioMed Research International</i> , 2018, 2018, 1-14.	0.9	177
2	Incidence of clinical mastitis and distribution of pathogens on large Chinese dairy farms. <i>Journal of Dairy Science</i> , 2017, 100, 4797-4806.	1.4	154
3	Cytoprotective effect of chlorogenic acid against hydrogen peroxide-induced oxidative stress in MC3T3-E1 cells through PI3K/Akt-mediated Nrf2/HO-1 signaling pathway. <i>Oncotarget</i> , 2017, 8, 14680-14692.	0.8	118
4	Chlorogenic acid promotes the Nrf2/HO-1 anti-oxidative pathway by activating p21/Waf1/Cip1 to resist dexamethasone-induced apoptosis in osteoblastic cells. <i>Free Radical Biology and Medicine</i> , 2019, 137, 1-12.	1.3	92
5	ESBL-Producing <i>Escherichia coli</i> from Cows Suffering Mastitis in China Contain Clinical Class 1 Integrons with CTX-M Linked to ISCR1. <i>Frontiers in Microbiology</i> , 2016, 7, 1931.	1.5	84
6	Antimicrobial resistance profiles of 5 common bovine mastitis pathogens in large Chinese dairy herds. <i>Journal of Dairy Science</i> , 2019, 102, 2416-2426.	1.4	83
7	SIRT1-mediated FoxO pathways protect against apoptosis by promoting autophagy in osteoblast-like MC3T3-E1 cells exposed to sodium fluoride. <i>Oncotarget</i> , 2016, 7, 65218-65230.	0.8	74
8	Characteristics and genetic diversity of multi-drug resistant extended-spectrum beta-lactamase (ESBL)-producing <i>Escherichia coli</i> isolated from bovine mastitis. <i>Oncotarget</i> , 2017, 8, 90144-90163.	0.8	51
9	Antibiotic resistance of <i>Streptococcus agalactiae</i> from cows with mastitis. <i>Veterinary Journal</i> , 2012, 194, 423-424.	0.6	48
10	Molecular types and antibiotic resistance of <i>Staphylococcus aureus</i> isolates from bovine mastitis in a single herd in China. <i>Veterinary Journal</i> , 2012, 192, 550-552.	0.6	48
11	<i>Prototheca zopfii</i> Induced Ultrastructural Features Associated with Apoptosis in Bovine Mammary Epithelial Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 299.	1.8	47
12	Characterization of <i>Prototheca zopfii</i> Associated with Outbreak of Bovine Clinical Mastitis in Herd of Beijing, China. <i>Mycopathologia</i> , 2012, 173, 275-281.	1.3	41
13	Molecular epidemiology and distribution of antimicrobial resistance genes of <i>Staphylococcus</i> species isolated from Chinese dairy cows with clinical mastitis. <i>Journal of Dairy Science</i> , 2019, 102, 1571-1583.	1.4	40
14	Virulence gene profiles: alpha-hemolysin and clonal diversity in <i>Staphylococcus aureus</i> isolates from bovine clinical mastitis in China. <i>BMC Veterinary Research</i> , 2018, 14, 63.	0.7	38
15	Development of multiplex polymerase chain reaction assay for rapid detection of <i>Staphylococcus aureus</i> and selected antibiotic resistance genes in bovine mastitic milk samples. <i>Journal of Veterinary Diagnostic Investigation</i> , 2011, 23, 894-901.	0.5	33
16	<i>Klebsiella pneumoniae</i> isolated from bovine mastitis is cytopathogenic for bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2020, 103, 3493-3504.	1.4	33
17	SIRT1 suppresses p53-dependent apoptosis by modulation of p21 in osteoblast-like MC3T3-E1 cells exposed to fluoride. <i>Toxicology in Vitro</i> , 2019, 57, 28-38.	1.1	29
18	<i>Nocardia cyriacigeorgica</i> from Bovine Mastitis Induced In vitro Apoptosis of Bovine Mammary Epithelial Cells via Activation of Mitochondrial-Caspase Pathway. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 194.	1.8	26

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19	Co-Occurrence of Plasmid-Mediated Colistin Resistance (<i>mcr-1</i>) and Extended-Spectrum β -Lactamase Encoding Genes in <i>Escherichia coli</i> from Bovine Mastitic Milk in China. <i>Microbial Drug Resistance</i> , 2020, 26, 685-696.	0.9	26
20	Properties and antimicrobial susceptibility of <i>Trueperella pyogenes</i> isolated from bovine mastitis in China. <i>Acta Veterinaria Hungarica</i> , 2016, 64, 1-12.	0.2	25
21	<i>Prototheca zopfii</i> isolated from bovine mastitis induced oxidative stress and apoptosis in bovine mammary epithelial cells. <i>Oncotarget</i> , 2017, 8, 31938-31947.	0.8	24
22	P21Waf1/Cip1 depletion promotes dexamethasone-induced apoptosis in osteoblastic MC3T3-E1 cells by inhibiting the Nrf2/HO-1 pathway. <i>Archives of Toxicology</i> , 2018, 92, 679-692.	1.9	24
23	Role of the JAK-STAT Pathway in Bovine Mastitis and Milk Production. <i>Animals</i> , 2020, 10, 2107.	1.0	23
24	Characteristics of <i>Aerococcus viridans</i> isolated from bovine subclinical mastitis and its effect on milk SCC, yield, and composition. <i>Tropical Animal Health and Production</i> , 2017, 49, 843-849.	0.5	21
25	Molecular and Phenotypic Characterization of <i>Aerococcus viridans</i> Associated with Subclinical Bovine Mastitis. <i>PLoS ONE</i> , 2015, 10, e0125001.	1.1	20
26	Prevalence of Potential Virulence Genes in <i>Klebsiella</i> spp. Isolated from Cows with Clinical Mastitis on Large Chinese Dairy Farms. <i>Foodborne Pathogens and Disease</i> , 2019, 16, 856-863.	0.8	17
27	Selenomethionine Suppressed TLR4/NF- κ B Pathway by Activating Selenoprotein S to Alleviate ESBL <i>Escherichia coli</i> -Induced Inflammation in Bovine Mammary Epithelial Cells and Macrophages. <i>Frontiers in Microbiology</i> , 2020, 11, 1461.	1.5	17
28	<i>Mycoplasma bovis</i> -generated reactive oxygen species and induced apoptosis in bovine mammary epithelial cell cultures. <i>Journal of Dairy Science</i> , 2020, 103, 10429-10445.	1.4	17
29	<i>Prototheca zopfii</i> genotype II induces mitochondrial apoptosis in models of bovine mastitis. <i>Scientific Reports</i> , 2020, 10, 698.	1.6	16
30	<i>Klebsiella pneumoniae</i> infection causes mitochondrial damage and dysfunction in bovine mammary epithelial cells. <i>Veterinary Research</i> , 2021, 52, 17.	1.1	16
31	Characterization of <i>Streptococcus lutetiensis</i> isolated from clinical mastitis of dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 702-714.	1.4	15
32	Effect of heat stress on udder health of dairy cows. <i>Journal of Dairy Research</i> , 2020, 87, 315-321.	0.7	14
33	Adherent/invasive capacities of bovine-associated <i>Aerococcus viridans</i> contribute to pathogenesis of acute mastitis in a murine model. <i>Veterinary Microbiology</i> , 2019, 230, 202-211.	0.8	13
34	An Investigation of the Innate Immune Response in Bovine Mammary Epithelial Cells Challenged by <i>Prototheca zopfii</i> . <i>Mycopathologia</i> , 2016, 181, 823-832.	1.3	12
35	<i>Prototheca</i> spp. induce an inflammatory response via mtROS-mediated activation of NF- κ B and NLRP3 inflammasome pathways in bovine mammary epithelial cell cultures. <i>Veterinary Research</i> , 2021, 52, 144.	1.1	12
36	Molecular characteristics and antibiotic susceptibility profiles of <i>Mycoplasma bovis</i> associated with mastitis on dairy farms in China. <i>Preventive Veterinary Medicine</i> , 2020, 182, 105106.	0.7	11

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37	Genetic diversity and molecular epidemiology of outbreaks of <i>Klebsiella pneumoniae</i> mastitis on two large Chinese dairy farms. <i>Journal of Dairy Science</i> , 2021, 104, 762-775.	1.4	11
38	Bacteriophage has beneficial effects in a murine model of <i>Klebsiella pneumoniae</i> mastitis. <i>Journal of Dairy Science</i> , 2021, 104, 3474-3484.	1.4	11
39	Characteristics of <i>Escherichia coli</i> Isolated from Bovine Mastitis Exposed to Subminimum Inhibitory Concentrations of Cefalotin or Ceftazidime. <i>BioMed Research International</i> , 2018, 2018, 1-10.	0.9	9
40	Murine and Human Cathelicidins Contribute Differently to Hallmarks of Mastitis Induced by Pathogenic <i>Prototheca bovis</i> Algae. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 31.	1.8	9
41	Bacteriophages isolated from dairy farm mitigated <i>Klebsiella pneumoniae</i> -induced inflammation in bovine mammary epithelial cells cultured in vitro. <i>BMC Veterinary Research</i> , 2021, 17, 37.	0.7	9
42	Cloning, Expression, and Immunogenicity of Fimbrial-F17A Subunit Vaccine against <i>Escherichia coli</i> Isolated from Bovine Mastitis. <i>BioMed Research International</i> , 2017, 2017, 1-10.	0.9	8
43	Nrf2 and NF- κ B/NLRP3 inflammasome pathways are involved in <i>Prototheca bovis</i> infections of mouse mammary gland tissue and mammary epithelial cells. <i>Free Radical Biology and Medicine</i> , 2022, 184, 148-157.	1.3	8
44	Virulence profiles of <i>Klebsiella pneumoniae</i> isolated from 2 large dairy farms in China. <i>Journal of Dairy Science</i> , 2021, 104, 9027-9036.	1.4	6
45	Selenomethionine activates selenoprotein S, suppresses Fas/FasL and the mitochondrial pathway, and reduces <i>Escherichia coli</i> -induced apoptosis of bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2021, 104, 10171-10182.	1.4	6
46	<i>Mycoplasma bovis</i> subverts autophagy to promote intracellular replication in bovine mammary epithelial cells cultured in vitro. <i>Veterinary Research</i> , 2021, 52, 130.	1.1	6
47	Biological Characteristics and Pathogenicity of <i>Helcococcus ovis</i> Isolated From Clinical Bovine Mastitis in a Chinese Dairy Herd. <i>Frontiers in Veterinary Science</i> , 2021, 8, 756438.	0.9	6
48	Comparative Genomic Analysis of <i>Streptococcus dysgalactiae</i> subspecies <i>dysgalactiae</i> Isolated From Bovine Mastitis in China. <i>Frontiers in Microbiology</i> , 2021, 12, 751863.	1.5	5
49	Short communication: Molecular characteristics, antimicrobial susceptibility, and pathogenicity of clinical <i>Nocardia cyriacigeorgica</i> isolates from an outbreak of bovine mastitis. <i>Journal of Dairy Science</i> , 2017, 100, 8414-8421.	1.4	4
50	<i>Streptococcus lutetiensis</i> Induces Autophagy via Oxidative Stress in Bovine Mammary Epithelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-16.	1.9	4
51	The prevalence, molecular characterization and antimicrobial resistance profiling of <i>Streptococcus agalactiae</i> isolated from clinical mastitis cases on large dairy farms in China. <i>Journal of Dairy Research</i> , 2022, 89, 75-79.	0.7	4
52	In vitro immune responses of bovine mammary epithelial cells induced by <i>Escherichia coli</i> , with multidrug resistant extended-spectrum β -lactamase, isolated from mastitic milk. <i>Microbial Pathogenesis</i> , 2020, 149, 104494.	1.3	1