Jian Gao

List of Publications by Year in descending order

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	Streptococcus lutetiensis Induces Autophagy via Oxidative Stress in Bovine Mammary Epithelial Cells. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-16.	1.9	4
2	The prevalence, molecular characterization and antimicrobial resistance profiling of Streptococcus agalactiae isolated from clinical mastitis cases on large dairy farms in China. Journal of Dairy Research, 2022, 89, 75-79.	0.7	4
3	Nrf2 and NF-ÎºB/NLRP3 inflammasome pathways are involved in Prototheca bovis infections of mouse mammary gland tissue and mammary epithelial cells. Free Radical Biology and Medicine, 2022, 184, 148-157.	1.3	8
4	Genetic diversity and molecular epidemiology of outbreaks of Klebsiella pneumoniae mastitis on two large Chinese dairy farms. Journal of Dairy Science, 2021, 104, 762-775.	1.4	11
5	Characterization of Streptococcus lutetiensis isolated from clinical mastitis of dairy cows. Journal of Dairy Science, 2021, 104, 702-714.	1.4	15
6	Bacteriophages isolated from dairy farm mitigated Klebsiella pneumoniae-induced inflammation in bovine mammary epithelial cells cultured in vitro. BMC Veterinary Research, 2021, 17, 37.	0.7	9
7	Klebsiella pneumoniae infection causes mitochondrial damage and dysfunction in bovine mammary epithelial cells. Veterinary Research, 2021, 52, 17.	1.1	16
8	Bacteriophage has beneficial effects in a murine model of Klebsiella pneumoniae mastitis. Journal of Dairy Science, 2021, 104, 3474-3484.	1.4	11
9	Virulence profiles of Klebsiella pneumoniae isolated from 2 large dairy farms in China. Journal of Dairy Science, 2021, 104, 9027-9036.	1.4	6
10	Selenomethionine activates selenoprotein S, suppresses Fas/FasL and the mitochondrial pathway, and reduces Escherichia coli-induced apoptosis of bovine mammary epithelial cells. Journal of Dairy Science, 2021, 104, 10171-10182.	1.4	6
11	Mycoplasma bovis subverts autophagy to promote intracellular replication in bovine mammary epithelial cells cultured in vitro. Veterinary Research, 2021, 52, 130.	1.1	6
12	Comparative Genomic Analysis of Streptococcus dysgalactiae subspecies dysgalactiae Isolated From Bovine Mastitis in China. Frontiers in Microbiology, 2021, 12, 751863.	1.5	5
13	Biological Characteristics and Pathogenicity of Helcococcus ovis Isolated From Clinical Bovine Mastitis in a Chinese Dairy Herd. Frontiers in Veterinary Science, 2021, 8, 756438.	0.9	6
14	Prototheca spp. induce an inflammatory response via mtROS-mediated activation of NF-ÎºB and NLRP3 inflammasome pathways in bovine mammary epithelial cell cultures. Veterinary Research, 2021, 52, 144.	1.1	12
15	Co-Occurrence of Plasmid-Mediated Colistin Resistance (mcr-1) and Extended-Spectrum Î²-Lactamase Encoding Genes in Escherichia coli from Bovine Mastitic Milk in China. Microbial Drug Resistance, 2020, 26, 685-696.	0.9	26
16	In vitro immune responses of bovine mammary epithelial cells induced by Escherichia coli, with multidrug resistant extended-spectrum Î²-lactamase, isolated from mastitic milk. Microbial Pathogenesis, 2020, 149, 104494.	1.3	1
17	Effect of heat stress on udder health of dairy cows. Journal of Dairy Research, 2020, 87, 315-321.	0.7	14
18	Selenomethionine Suppressed TLR4/NF-ÎºB Pathway by Activating Selenoprotein S to Alleviate ESBL Escherichia coli-Induced Inflammation in Bovine Mammary Epithelial Cells and Macrophages. Frontiers in Microbiology, 2020, 11, 1461.	1.5	17

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19	Role of the JAK-STAT Pathway in Bovine Mastitis and Milk Production. Animals, 2020, 10, 2107.	1.0	23
20	Molecular characteristics and antibiotic susceptibility profiles of Mycoplasma bovis associated with mastitis on dairy farms in China. Preventive Veterinary Medicine, 2020, 182, 105106.	0.7	11
21	Murine and Human Cathelicidins Contribute Differently to Hallmarks of Mastitis Induced by Pathogenic Prototheca bovis Algae. Frontiers in Cellular and Infection Microbiology, 2020, 10, 31.	1.8	9
22	Klebsiella pneumoniae isolated from bovine mastitis is cytopathogenic for bovine mammary epithelial cells. Journal of Dairy Science, 2020, 103, 3493-3504.	1.4	33
23	Prototheca zopfii genotype II induces mitochondrial apoptosis in models of bovine mastitis. Scientific Reports, 2020, 10, 698.	1.6	16
24	Mycoplasma bovis-generated reactive oxygen species and induced apoptosis in bovine mammary epithelial cell cultures. Journal of Dairy Science, 2020, 103, 10429-10445.	1.4	17
25	Prevalence of Potential Virulence Genes in Klebsiella spp. Isolated from Cows with Clinical Mastitis on Large Chinese Dairy Farms. Foodborne Pathogens and Disease, 2019, 16, 856-863.	0.8	17
26	Chlorogenic acid promotes the Nrf2/HO-1 anti-oxidative pathway by activating p21Waf1/Cip1 to resist dexamethasone-induced apoptosis in osteoblastic cells. Free Radical Biology and Medicine, 2019, 137, 1-12.	1.3	92
27	Adherent/invasive capacities of bovine-associated Aerococcus viridans contribute to pathogenesis of acute mastitis in a murine model. Veterinary Microbiology, 2019, 230, 202-211.	0.8	13
28	SIRT1 suppresses p53-dependent apoptosis by modulation of p21 in osteoblast-like MC3T3-E1 cells exposed to fluoride. Toxicology in Vitro, 2019, 57, 28-38.	1.1	29
29	Molecular epidemiology and distribution of antimicrobial resistance genes of Staphylococcus species isolated from Chinese dairy cows with clinical mastitis. Journal of Dairy Science, 2019, 102, 1571-1583.	1.4	40
30	Antimicrobial resistance profiles of 5 common bovine mastitis pathogens in large Chinese dairy herds. Journal of Dairy Science, 2019, 102, 2416-2426.	1.4	83
31	Virulence gene profiles: alpha-hemolysin and clonal diversity in Staphylococcus aureus isolates from bovine clinical mastitis in China. BMC Veterinary Research, 2018, 14, 63.	0.7	38
32	P21Waf1/Cip1 depletion promotes dexamethasone-induced apoptosis in osteoblastic MC3T3-E1 cells by inhibiting the Nrf2/HO-1 pathway. Archives of Toxicology, 2018, 92, 679-692.	1.9	24
33	Characteristics ofEscherichia coliIsolated from Bovine Mastitis Exposed to Subminimum Inhibitory Concentrations of Cefalotin or Ceftazidime. BioMed Research International, 2018, 2018, 1-10.	0.9	9
34	The Growing Genetic and Functional Diversity of Extended Spectrum Beta-Lactamases. BioMed Research International, 2018, 2018, 1-14.	0.9	177
35	Incidence of clinical mastitis and distribution of pathogens on large Chinese dairy farms. Journal of Dairy Science, 2017, 100, 4797-4806.	1.4	154
36	Characteristics of Aerococcus viridans isolated from bovine subclinical mastitis and its effect on milk SCC, yield, and composition. Tropical Animal Health and Production, 2017, 49, 843-849.	0.5	21

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37	Short communication: Molecular characteristics, antimicrobial susceptibility, and pathogenicity of clinical Nocardia cyriacigeorgica isolates from an outbreak of bovine mastitis. Journal of Dairy Science, 2017, 100, 8414-8421.	1.4	4
38	Prototheca zopfii isolated from bovine mastitis induced oxidative stress and apoptosis in bovine mammary epithelial cells. Oncotarget, 2017, 8, 31938-31947.	0.8	24
39	Nocardia cyriacigeogica from Bovine Mastitis Induced In vitro Apoptosis of Bovine Mammary Epithelial Cells via Activation of Mitochondrial-Caspase Pathway. Frontiers in Cellular and Infection Microbiology, 2017, 7, 194.	1.8	26
40	Prototheca zopfii Induced Ultrastructural Features Associated with Apoptosis in Bovine Mammary Epithelial Cells. Frontiers in Cellular and Infection Microbiology, 2017, 7, 299.	1.8	47
41	Cloning, Expression, and Immunogenicity of Fimbrial-F17A Subunit Vaccine againstEscherichia coliIsolated from Bovine Mastitis. BioMed Research International, 2017, 2017, 1-10.	0.9	8
42	Cytoprotective effect of chlorogenic acid against hydrogen peroxide-induced oxidative stress in MC3T3-E1 cells through PI3K/Akt-mediated Nrf2/HO-1 signaling pathway. Oncotarget, 2017, 8, 14680-14692.	0.8	118
43	Characteristics and genetic diversity of multi-drug resistant extended-spectrum beta-lactamase (ESBL)-producing Escherichia coli isolated from bovine mastitis. Oncotarget, 2017, 8, 90144-90163.	0.8	51
44	ESBL-Producing Escherichia coli from Cows Suffering Mastitis in China Contain Clinical Class 1 Integrons with CTX-M Linked to ISCR1. Frontiers in Microbiology, 2016, 7, 1931.	1.5	84
45	Properties and antimicrobial susceptibility of Trueperella pyogenes isolated from bovine mastitis in China. Acta Veterinaria Hungarica, 2016, 64, 1-12.	0.2	25
46	An Investigation of the Innate Immune Response in Bovine Mammary Epithelial Cells Challenged by Prototheca zopfii. Mycopathologia, 2016, 181, 823-832.	1.3	12
47	SIRT1-mediated FoxOs pathways protect against apoptosis by promoting autophagy in osteoblast-like MC3T3-E1 cells exposed to sodium fluoride. Oncotarget, 2016, 7, 65218-65230.	0.8	74
48	Molecular and Phenotypic Characterization of Aerococcus viridans Associated with Subclinical Bovine Mastitis. PLoS ONE, 2015, 10, e0125001.	1.1	20
49	Characterization of Prototheca zopfii Associated with Outbreak of Bovine Clinical Mastitis in Herd of Beijing, China. Mycopathologia, 2012, 173, 275-281.	1.3	41
50	Antibiotic resistance of Streptococcus agalactiae from cows with mastitis. Veterinary Journal, 2012, 194, 423-424.	0.6	48
51	Molecular types and antibiotic resistance of Staphylococcus aureus isolates from bovine mastitis in a single herd in China. Veterinary Journal, 2012, 192, 550-552.	0.6	48
52	Development of multiplex polymerase chain reaction assay for rapid detection of Staphylococcus aureus and selected antibiotic resistance genes in bovine mastitic milk samples. Journal of Veterinary Diagnostic Investigation, 2011, 23, 894-901.	0.5	33