

# Bo Han

## List of Publications by Year in descending order

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83  
papers

2,382  
citations

236833

25  
h-index

243529

44  
g-index

85  
all docs

85  
docs citations

85  
times ranked

2721  
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	Bovine mastitis <i>Staphylococcus aureus</i> : Antibiotic susceptibility profile, resistance genes and molecular typing of methicillin-resistant and methicillin-sensitive strains in China. <i>Infection, Genetics and Evolution</i> , 2015, 31, 9-16.	1.0	93
5	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
6	Sodium fluoride modulates caprine osteoblast proliferation and differentiation. <i>Journal of Bone and Mineral Metabolism</i> , 2008, 26, 328-334.	1.3	84
7	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
8	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
9	SIRT1-mediated FoxOs 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
10	Antimicrobial susceptibility, virulence genes, and randomly amplified polymorphic DNA analysis of <i>Staphylococcus aureus</i> recovered from bovine mastitis in Ningxia, China. <i>Journal of Dairy Science</i> , 2016, 99, 9560-9569.	1.4	59
11	Phylogenetic group, virulence factors and antimicrobial resistance of <i>Escherichia coli</i> associated with bovine mastitis. <i>Research in Microbiology</i> , 2014, 165, 273-277.	1.0	58
12	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
13	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
14	Sodium fluoride induces apoptosis and alters bcl-2 family protein expression in MC3T3-E1 osteoblastic cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 910-915.	1.0	47
15	Sodium fluoride suppress proliferation and induce apoptosis through decreased insulin-like growth factor-I expression and oxidative stress in primary cultured mouse osteoblasts. <i>Archives of Toxicology</i> , 2011, 85, 1407-1417.	1.9	47
16	<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
17	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
18	Relevance of the incubation period in cytotoxicity testing with primary human hepatocytes. <i>Archives of Toxicology</i> , 2018, 92, 3505-3515.	1.9	41

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19	Impact of matrine on inflammation related factors in rat intestinal microvascular endothelial cells. <i>Journal of Ethnopharmacology</i> , 2009, 125, 404-409.	2.0	40
20	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
21	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
22	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
23	<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
24	Staphylococcal Enterotoxin H Induced Apoptosis of Bovine Mammary Epithelial Cells in Vitro. <i>Toxins</i> , 2014, 6, 3552-3567.	1.5	32
25	Phenotypic and genotypic characterization of antimicrobial resistance profiles in <i>Streptococcus dysgalactiae</i> isolated from bovine clinical mastitis in 5 provinces of China. <i>Journal of Dairy Science</i> , 2018, 101, 3344-3355.	1.4	32
26	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
27	<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
28	Co-Occurrence of Plasmid-Mediated Colistin Resistance ( <i>mcr-1</i> ) and Extended-Spectrum $\beta$ -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
29	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
30	Characterization of <i>Prototheca zopfii</i> Genotypes Isolated from Cases of Bovine Mastitis and Cow Barns in China. <i>Mycopathologia</i> , 2016, 181, 185-195.	1.3	25
31	<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
32	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
33	In Vivo Studies of Molybdenum-Induced Apoptosis in Kidney Cells of Caprine. <i>Biological Trace Element Research</i> , 2015, 165, 51-58.	1.9	21
34	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
35	Molecular and Phenotypic Characterization of <i>Aerococcus viridans</i> Associated with Subclinical Bovine Mastitis. <i>PLoS ONE</i> , 2015, 10, e0125001.	1.1	20
36	Prevalence of Mastitis Pathogens and Antimicrobial Susceptibility of Isolates From Cattle and Buffaloes in Northwest of Pakistan. <i>Frontiers in Veterinary Science</i> , 2021, 8, 746755.	0.9	20

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37	Protective effect of recombinant staphylococcal enterotoxin A entrapped in polylactic-co-glycolic acid microspheres against <i>Staphylococcus aureus</i> infection. <i>Veterinary Research</i> , 2012, 43, 20.	1.1	18
38	Characteristics of <i>Staphylococcus aureus</i> Small Colony Variant and Its Parent Strain Isolated from Chronic Mastitis at a Dairy Farm in Beijing, China. <i>Microbial Drug Resistance</i> , 2013, 19, 138-145.	0.9	17
39	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
40	Selenomethionine Suppressed TLR4/NF- $\kappa$ 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
41	<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
42	Effect of management practices and animal age on incidence of mastitis in Nili Ravi buffaloes. <i>Tropical Animal Health and Production</i> , 2014, 46, 1279-1285.	0.5	16
43	<i>Prototheca zopfii</i> genotype II induces mitochondrial apoptosis in models of bovine mastitis. <i>Scientific Reports</i> , 2020, 10, 698.	1.6	16
44	<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
45	Effects of Selenium, Copper and Magnesium on Antioxidant Enzymes and Lipid Peroxidation in Bovine Fluorosis. <i>Asian-Australasian Journal of Animal Sciences</i> , 2004, 17, 1695-1699.	2.4	16
46	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
47	Sodium Fluoride Affects Proliferation and Apoptosis Through Insulin-Like Growth Factor I Receptor in Primary Cultured Mouse Osteoblasts. <i>Biological Trace Element Research</i> , 2011, 144, 914-923.	1.9	14
48	Effect of heat stress on udder health of dairy cows. <i>Journal of Dairy Research</i> , 2020, 87, 315-321.	0.7	14
49	Autophagy of bovine mammary epithelial cell induced by intracellular <i>Staphylococcus aureus</i> . <i>Journal of Microbiology</i> , 2020, 58, 320-329.	1.3	14
50	<i>Staphylococcus aureus</i> mediates pyroptosis in bovine mammary epithelial cell via activation of NLRP3 inflammasome. <i>Veterinary Research</i> , 2022, 53, 10.	1.1	14
51	Treatment with Gentamicin on a Murine Model of Protothecal Mastitis. <i>Mycopathologia</i> , 2013, 175, 241-248.	1.3	13
52	Relationships among superantigen toxin gene profiles, genotypes, and pathogenic characteristics of <i>Staphylococcus aureus</i> isolates from bovine mastitis. <i>Journal of Dairy Science</i> , 2017, 100, 4276-4286.	1.4	13
53	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
54	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

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55	Prototheca spp. induce an inflammatory response via mtROS-mediated activation of NF- $\kappa$ B and NLRP3 inflammasome pathways in bovine mammary epithelial cell cultures. <i>Veterinary Research</i> , 2021, 52, 144.	1.1	12
56	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
57	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
58	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
59	The role of selenium in insulin-like growth factor I receptor (IGF-IR) expression and regulation of apoptosis in mouse osteoblasts. <i>Chemosphere</i> , 2016, 144, 2158-2164.	4.2	10
60	Development of a single-dose recombinant CAMP factor entrapping poly(lactide-co-glycolide) microspheres-based vaccine against <i>Streptococcus agalactiae</i> . <i>Vaccine</i> , 2017, 35, 1246-1253.	1.7	10
61	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
62	RNA-Seq Whole Transcriptome Analysis of Bovine Mammary Epithelial Cells in Response to Intracellular <i>Staphylococcus aureus</i> . <i>Frontiers in Veterinary Science</i> , 2020, 7, 642.	0.9	9
63	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
64	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
65	Combination of zinc and selenium alleviates ochratoxin A-induced fibrosis via blocking ROS-dependent autophagy in HK-2 cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 69, 126881.	1.5	9
66	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
67	Fluoride exposure cause colon microbiota dysbiosis by destroyed microenvironment and disturbed antimicrobial peptides expression in colon. <i>Environmental Pollution</i> , 2022, 292, 118381.	3.7	8
68	Nrf2 and NF- $\kappa$ 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
69	Alteration of osteocalcin mRNA expression in ovine osteoblasts in dependence of sodium fluoride and sodium selenite medium supplementation. <i>Acta Biologica Hungarica</i> , 2010, 61, 52-63.	0.7	7
70	Simultaneous Administration of Fluoride and Selenite Regulates Proliferation and Apoptosis in Murine Osteoblast-like MC3T3-E1 Cells by Altering Osteoprotegerin. <i>Biological Trace Element Research</i> , 2011, 144, 1437-1448.	1.9	7
71	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
72	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

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73	<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
74	Biological Characteristics and Pathogenicity of <i>Helicobacter ovis</i> Isolated From Clinical Bovine Mastitis in a Chinese Dairy Herd. <i>Frontiers in Veterinary Science</i> , 2021, 8, 756438.	0.9	6
75	<i>Streptococcus agalactiae</i> -induced autophagy of bovine mammary epithelial cell via PI3K/AKT/mTOR pathway. <i>Journal of Dairy Research</i> , 2022, 89, 178-184.	0.7	6
76	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
77	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
78	<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
79	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
80	Characterization and mechanism of dissemination of extended spectrum beta lactamase producers <i>Escherichia Coli</i> in food producing animals in Pakistan and China. , 2018, , .		3
81	Intracellular <i>Staphylococcus aureus</i> inhibits autophagy of bovine mammary epithelial cells through activating p38. <i>Journal of Dairy Research</i> , 2021, 88, 293-301.	0.7	2
82	In vitro immune responses of bovine mammary epithelial cells induced by <i>Escherichia coli</i> , with multidrug resistant extended-spectrum $\beta$ -lactamase, isolated from mastitic milk. <i>Microbial Pathogenesis</i> , 2020, 149, 104494.	1.3	1
83	Genotypic characterization of multidrug resistant <i>Escherichia coli</i> isolates reveals co-existence of ESBL- and carbapenemase- encoding genes linked to ISCR1.. <i>Veterinaria Italiana</i> , 2021, 57, 275-285.	0.5	1